PSWC 2007

PHARMACEUTICAL SCIENCES WORLD CONGRESS
AMSTERDAM THE NETHERLANDS 22-25 APRIL 2007

FINAL PROGRAMME

Pharmaceutical Sciences World Congress

3rd World Congress of the Board of Pharmaceutical Sciences of FIP PSWC2007/PharmSciFair Exhibition

April 22-25 • 2007 • RAI Congress Centre • Amsterdam • The Netherlands

Optimising Drug Therapy: An Imperative for World Health

Co-Sponsored by:
European Federation for Pharmaceutical Sciences (EUFEPS)
American Association of Pharmaceutical Scientists (AAPS)
Association de Pharmacie Galénique Industrielle (APGI)
Academy of Pharmaceutical Sciences of Great Britain (APSGB)
Academy of Pharmaceutical Science and Technology, Japan (APSTJ)
Australasian Pharmaceutical Science Association (APSA)
Controlled Release Society (CRS)
Pharmaceutical Society of Japan (PSJ)
Spanish Society of Pharmaceutics and Pharmaceutical Technology (SSPPT)

Supported by:
American Society of Health-System Pharmacists (ASHP)
Belgian Society of Pharmaceutical Sciences (BSPS)
Canadian Society for Pharmaceutical Sciences (CSPS)
Dutch Federation for Innovative Pharmaceutical Research (FIGON)
Dutch Royal Pharmaceutical Society (KNMP)
European Association of Hospital Pharmacists (EAHP)
European Society of Clinical Pharmacy (ESCP)
Federación Farmacéutica Sudamericana (FEFAS)
International Society for Pharmacoepidemiology (ISPE)
International Society for the Study of Xenobiotics (ISSX)

INTERNATIONAL PHARMACEUTICAL FEDERATION
FIP

www.fip.org/PSWC

Co-sponsoring Organisations

European Federation for Pharmaceutical Sciences (EUFEPS)

American Association of Pharmaceutical Scientists (AAPS)

Association de Pharmacie Galénique Industrielle (APGI)

Academy of Pharmaceutical Sciences of Great Britain (APSGB)

Academy of Pharmaceutical Science and Technology, Japan (APSTJ)

Australasian Pharmaceutical Science Association (APSA)

Controlled Release Society (CRS)

Pharmaceutical Society of Japan (PSJ)

Spanish Society of Pharmaceutics and Pharmaceutical Technology (SSPPT)

Supporting Organisations

American Society of Health-System Pharmacists (ASHP)

Belgian Society of Pharmaceutical Sciences (BSPS)

Canadian Society for Pharmaceutical Sciences (CSPS)

Federation for Innovative Drug Research (FIGON)

Dutch Royal Pharmaceutical Society (KNMP)

European Association of Hospital Pharmacists (EAHP)

European Society of Clinical Pharmacy (ESCP)

Federación Farmacéutica Sudamericana (FEFAS)

International Society for Pharmacoepidemiology (ISPE)

International Society for the Study of Xenobiotics (ISSX)

Dear Colleague

A warm welcome to the Third World Congress of the Board of Pharmaceutical Sciences of FIP (Fédération Internationale Pharmaceutique or International Pharmaceutical Federation).

The new millennium in 2000 saw the staging of the First Pharmaceutical Sciences World Congress (PSWC2000) in San Francisco, bringing together 2,500 pharmaceutical scientists from around the world. The Second Congress, also with a truly global span, was held in the Spring of 2004 in Kyoto, Japan (PSWC2004), and attracted even more participants. The ***Third*** *Congress is now to convene in Amsterdam (PSWC2007) with the theme of:*

Optimising Drug Therapy: An Imperative for World Health

The program committee, chaired by renowned pharmaceutical scientists, has ensured excellence in scientific quality and a high visibility for the conference. Like the previous two conferences, PSWC2007 will cover a broad spectrum of topics from basic to applied and clinical sciences, addressing timely issues of great importance to drug discovery, development, regulation, and medication management. It will also feature interactive round table discussions, poster sessions, a career centre and an exhibition, and will devote significant attention to young pharmaceutical scientists through poster and podium presentations as well as a pre-conference meeting for graduate students and post-doctoral fellows.

PSWC2007 is co-sponsored by many of the world's leading pharmaceutical science and education organisations and members of the FIP, including the European Federation for Pharmaceutical Sciences, EUFEPS, the American Association of Pharmaceutical Scientists, AAPS, the Australasian Pharmaceutical Science Association, APSA, the Academy of Pharmaceutical Sciences of Great Britain, APSGB, the Association de Pharmacie Galénique Industrielle, APGI, the Academy of Pharmaceutical Sciences and Technology, Japan, APSTJ, the Controlled Release Society, CRS, the Pharmaceutical Society of Japan, PSJ, and the Spanish Society of Pharmaceutics and Pharmaceutical Technology (SSPPT). In addition, an impressive number of other organisations have pledged their active (financial) support, and they are listed under supporting or sponsoring organisations elsewhere in the programme.

Over 1250 abstracts have been submitted by registrants from 70 countries. In total, PSWC2007 will offer close to 1500 presentations!

Apart from the main 36 symposia, 4 satellite meetings have been organised under the aegis of PSWC2007. These are:

Two pre-satellite meetings:

- *As already mentioned, a meeting especially for* ***Ph.D. students and Postdocs*** *(co-sponsored by a number of organisations)*
- *A workshop on* ***Pharmacy Curriculum Development*** *(organised by Utrecht University)*

Two post-satellite meetings:

- *A meeting on* ***Monoclonal Antibodies*** *(co-sponsored by EUFEPS/EAPB/FIP/AAPS)*
- *A symposium on* ***Microdialysis*** *(Leiden University/FIP/EUFEPS)*

And, finally,

- ***The Mid Year Meeting 2007 of ISPE****, the International Society for Pharmacoepidemiology, which partly overlaps with PSWC2007.*

Everything is set for a highly exciting event and an important forum for the global community of pharmaceutical scientists!

The co-chairs forming the PSWC2007 Organising Committee, the Scientific Advisory Board and the leadership of FIP's Board of Pharmaceutical Sciences welcome you to this Third Pharmaceutical Sciences World Congress (PSWC2007) in Amsterdam, one of the most colourful cities in the world!

On behalf of the PSWC2007 Co-chairs of the Organising Committee,

Daan J. A. Crommelin, Ph.D.
Chair of the Organising Committee

Your Hosts

International Pharmaceutical Federation (FIP)
Board of Pharmaceutical Sciences (BPS)

Table of Contents

Organising Committee Leadership

Chair

Daan J.A. Crommelin (The Netherlands)

Secretary

Vinod Shah (USA)

Programme Co-chairs

Geoffrey T. Tucker (United Kingdom)
Tomohiko Ohwada (Japan)
Wolfgang Sadee (USA)

Fund-Raising Co-chairs

Theo Dingermann (Germany)
Dick Gourley (USA)
Mitsuru Hashida (Japan)

Publicity & Hospitality Co-Chairs

Dominique Duchêne (France)
Jun Haginaka (Japan)
Mario Rocci (USA)

Scientific Advisory Committee

Leslie Benet (USA)
Douwe D. Breimer (The Netherlands)
Kamal Midha (Canada)
Tsuneji Nagai (Japan)
Malcolm Rowland (United Kingdom)
Yuichi Sugiyama (Japan)

Local Committee

Meindert Danhof (The Netherlands)
Bert Leufkens (The Netherlands)
Ben Westerink (The Netherlands)

Organisation

Ton Hoek (The Netherlands)
Gretie R. v.d. Baumen (The Netherlands)
Hans H. Linden (Sweden)

Exhibition
Health Links
Chris Hanney (United Kingdom)
Email channey@health-links.co.uk

Congress Registration & Abstract handling
NewBrooklyn
Barbara de Jong (The Netherlands)
Email registration@newbrooklyn.nl

Accommodation
RAI Hotel Service (The Netherlands)
Email Hotelservice@rai.nl

Secretariat after the Congress
FIP Congress & Conferences
Andries Bickerweg 5
P.O. Box 84200
2508 AE The Hague (The Netherlands)
Email pswc@fip.org

Congress Venue
Amsterdam RAI
P.O. Box 77777
1070 MS Amsterdam
Europaplein
NL-1078 GZ Amsterdam (The Netherlands)

Endorsing Organisation

Patron Category

COLLEGE TER BEOORDELING VAN GENEESMIDDELEN

CBG MEB

MEDICINES EVALUATION BOARD

Sponsoring Organisations

Patron Category

FPMAJ

The Federation of Pharmaceutical Manufacturers´ Associations of Japan

Platinum Category

astellas Leading Light for Life

AstraZeneca

Johnson & Johnson PHARMACEUTICAL RESEARCH & DEVELOPMENT

Organon

Roche

Solvay Pharmaceuticals

SOLVAY

USP U.S. Pharmacopeia The Standard of Quality

Sponsoring Organisations

Gold Category

Silver Category

Bronze Category

Contributor Category

PSWC2007 Committees

Europe Africa Middle East Programme Committee

G. Tucker, United Kingdom
C. Doherty, United Kingdom
A.C. Moffat, United Kingdom
H. Lennernas, Sweden
E. Fattal, France
C.-M. Lehr, Germany
P. Krogsgaard-Larsen, Denmark
J. Crommen, Belgium
H.G.M. Leufkens, The Netherlands
M. Danhof, The Netherlands
M.J. Alonso, Spain
P. Macheras, Greece
R. Paoletti, Italy
M. Bialer, Israel
P. Vuorela, Finland
A. Mrhar, Slovenia
C. Noe, Austria
T. Guentert, Switzerland
J. M. Morais, Portugal
H. Kroemer, Germany
H. van de Waterbeemd, United Kingdom
J. Kennedy, Ireland
R. Oledzka, Poland
H. Christensen, Norway
A. S. Hussain, Dubai UAE
Y. Capan, Turkey
P. Poitou, France

North America Programme Committee

W. Sadée, USA
J. C. Anthony, USA
J. L.-S. Au, USA
R. Bogner, USA
R. Borchardt, USA
D. Burgess, USA
J. L. Cleland, USA
P- Crooks, USA
H. Derendorf, USA
K. M. Giacomini, USA
W. R. Gombotz, USA
U. Kompella, USA
J. Kopecek, USA
V. L. Lee, USA
A. Makriyannis, USA
G. McKay, Canada
B Nickerson, USA
K. S. Pang, Canada
M. V. Relling, USA
B. Smith, USA
K. Thummel, USA

Asia and Australia Programme Committee

T. Ohwada, Japan
M. K. Gurjar, India
Z. Hu, China
T. Naka, Japan
N. Fujii, Japan
T. Kobayashi, Japan
Y. Tanigawara, Japan
M. Roberts, Australia
H. Harashima, Japan
H. Okada, Japan
S. Prakongpan, Thailand
K. Ueno, Japan
N. Aoyagi, Japan
C.-K. Shim, Korea
S. Ozawa, Japan
H. Sasaki, Japan
J.-D. Huang, China Taiwan
K. Tsutani, Japan

Europe Publicity Committee

D. Duchene, France
M. Pokrajac, Serbia and Montenegro
N. Larionova, Russia
S. Leucuta, Roumania
A. J. Almeida, Portugal
J. Karlsen, Norway
L. Suturkova, Macedonia
J. Kristl, Slovenia
T. Loftsson, Iceland
R. Gurny, Switzerland
P. Colombo, Italy
A. Tsantili-Kakoulidou, Greece
M. Veillard, France
C. O'Driscoll, Ireland
J. M. Irache, Spain
J. Heinamaki, Finland
M. Johansson, Sweden
H. Wunderli-Allenspach, Switzerland
A. Hıncal, Turkey
H. Haisma, The Netherlands
G. Buckton, United Kingdom
U. Holzgrabe, Germany
M. H. Umbreit, Poland
B. Fjalland, Denmark
P. Veski, Estonia
A. Urtti, Finland
A. Concheiro-Nine, Spain
M. Jadrijevi-Mladar Takac, Croatia
S. Bogdanova, Bulgaria
A. Bernkop-Schnuerch, Austria
J. P. Remon, Belgium
L. Delattre, Belgium

North and South America Publicity Committee

M. L. Rocci Jr., USA
S. Advant, USA
A. Arancibia, Chile
F. Jamali, Canada
K. Miller, USA
D. Y. Mitchell, USA
M. C. Rogge, USA
D. Witmer, USA

Asia and Australia Publicity Committee

J. Haginaka, Japan
S. Hashimoto, Japan
T. Masujima, Japan
T. Katada, Japan
Y. Imaizumi, Japan
Y. Takakura, Japan
W.-K. Chui, Singapore
P.-W. Gean, China Taiwan
I. G. Tucker, New Zealand
R. H. Barbhaiya, India
M. S.S. Chow, China
L.-H. Zhang, China
R. A. McKinnon, Australia
J. Hill Park, Korea
Ahaditomo, Indonesia
J. Chang, Malaysia
S. Srianujata, Thailand

Europe Fund Raising Committee

T. Dingermann, Germany
Y. Michotte, Belgium
V. Preat-Haine, Belgium
S. Frokjaer, Denmark
W. Schunack, Germany
E. Mutschler, Germany
D. Steinbach, Germany
H. Blume, Germany
S. Alban, Germany
G. Gaviraghi, Italy
G. Folkers, Switzerland
F. Bühler, Switzerland
C. Doherty, United Kingdom
W. Dawson, United Kingdom

North America Fund Raising Committee

D. R. Gourley, USA
J. L. Cohen, USA
W. G. Chambliss, USA
W. E. Evans, USA
Gordon L. Amidon, USA
S. Leslie, USA
K. W. Miller, USA
D. D. Miller, USA
W. H. Riffee, USA
D. C. Robinson, USA
J. L. Colaizzi, USA

Asia Fund Raising Committee

M. Hashida, Japan
Y. Sugiyama, Japan
Y. Sugiura, Japan
M. Shibasaki, Japan
T. Sonobe, Japan
A. Ichikawa, Japan
H. Terada, Japan
E. Kimura, Japan
K. Inoue, Japan
T. Nagai, Japan
T. Kawasaki, Japan
T. Mayumi, Japan
T. Kimura, Japan
M. Hayashi, Japan
K. Yamamoto, Japan
M. Otagiri, Japan
A. Tsuji, Japan
Y. Kawashima, Japan
T. Honda, Japan
I. Kudo, Japan
Y. Ebizuka, Japan
T. Nagano, Japan
Y. Kirino, Japan
H. Natsugari, Japan
T. Kamataki, Japan
Y. Yamazoe, Japan
H. Sugimoto, Japan
K.-I. Inui, Japan
J.-I. Goto, Japan
T. Iga, Japan
H. Suzuki, Japan
M. Uchiyama, Japan
T. Ozawa, Japan
T. Kobayashi, Japan
T. Nakanishi, Japan
H. Zenda, Japan
K. Nishimura, Japan
S. Morimoto, Japan
T. Takayanagi, Japan
K. Saito, Japan
E. Murayama, Japan
M. Odomi, Japan
S. Kubo, Japan
M. Toda, Japan
M. Ishiguro, Japan
T. Oguma, Japan
Y. Yasuda, Japan
T. Sawayama, Japan
T. Naka, Japan
H. Yoshino, Japan
R. Konishi, Japan
R. Ibuki, Japan
K. Shimatani, Japan
J.-D. Huang, China Taiwan
C.-K. Shim, Korea
J.-H. Rhee, Korea
W.-Y. Lee, Korea
S. Jin Lee, Korea

Friends of the PSWC2007 Fund for Travel Grants

Nagai Foundation
D.D. Breimer Foundation
D.J.A Crommelin
H. Blume
Amgen
D. Steinbach
K.K. Midha
L. Benet
V. Shah
W.I.Higuchi
M.Rocci
T. Nagai
Y. Sugiyama
J. Haginaka
H. Harashima
M. Hayashi
M. Hashida
M. Rowland

PSWC2007 Registration Support for PhD Students and Young Postdocs

Belgian Society for Pharmaceutical Sciences (BSPS)
Dutch Federation of Pharmaceutical Sciences (NVFW)
German Pharmaceutical Society (DPhG)

Opening Session

Pharmaceutical Sciences World Congress (PSWC)
3rd World Congress of the Board of Pharmaceutical Sciences of FIP

RAI Auditorium, Sunday, April 22, 2007, from 15:00-17:30

FIP Fanfare

Welcome Address on behalf of PSWC2007
Dr. Daan Crommelin, PSWC 2007 Chair

Introduction and Remarks of the Minister of Education, Culture and Science in The Netherlands
Dr. Ronald Plasterk

Welcome Address on behalf of the International Pharmaceutical Federation (FIP)
Dr. Kamal K. Midha, FIP President

Distinguished Lecture
The Pharmaceutical Sciences – Getting our Act together
Dr. Geoffrey T. Tucker, Chair Scientific Programme Committee, Sheffield, United Kingdom

Introduction and Presentations of the PSWC Research Achievement Awards
Dr. Hiroshi Terada – Dr. Elias Fattal – Dr. Kathleen M. Giacomini

Entertainment

Distinguished Lecture
The Future of the Global Framework of Regulatory Sciences
Dr. Thomas Lönngren, EMEA, Executive Director, London, United Kingdom

Introduction and Presentations of the PSWC Research Achievement Awards
Dr. Ole Jannik Bjerrum – Dr. Hans Junginger – Dr. Kevin Shakesheff – Dr. William Charman

Distinguished Lecture
Life and Times in the Pharmaceutical Industry
Dr. David Nicholson, Oss, The Netherlands

Introduction and Presentations of the PSWC Research Achievement Awards
Dr. Vladimir Torchilin – Dr. Alfonso Dominguez-Gil Hurlé –Dr. Yuichi Sugiyama

Remarks on behalf of the Awardees
Dr. Yuichi Sugiyama

Closure and Reception


Dr. Geoffrey T. Tucker


Dr. Thomas Lönngren


Dr. David Nicholson

For extended curricula vitae of the awardees see pages 28-31.

Day	Time	Activity	Place
Sunday, April 22, 2007	10:00-17:00	Registration	Forum Foyer
	10:00-17:00	Press/Speakers Room	Room M 1st floor Forum Part
	09:00-18:00	Career Centre	Rooms F&G 1st floor Auditorium Part
	09:00-18:00	Career Centre	Commission 1 ground floor Auditorium Part
	15:00-17:30	Opening Session	Main Auditorium
	17:30-19:00	Welcome Reception	Hall 10 st floor Forum Part
Monday, April 23, 2007	07:30-08:30	Hang up Posters	Hall 10 st floor Forum Part
	08:00-17:00	Registration	Forum Foyer
	09:00-17:00	Exhibition & Posters	Hall 10 st floor Forum Part
	09:00-17:00	Press/Speakers Room	Room M 1st floor Forum Part
	09:00-18:00	Career Centre	Rooms F&G 1st floor Auditorium Part
	09:00-18:00	Career Centre	Commission 1 ground floor Auditorium Part
	11:15-12:15	Authors at Poster Board	Hall 10 st floor Forum Part
	17:00-18:00	Take down Posters	Hall 10 st floor Forum Part
	18:00-19:00	Put up New Poster Numbers	Hall 10 st floor Forum Part
Tuesday, April 24, 2007	07:30-08:30	Hang up Posters	Hall 10 st floor Forum Part
	08:00-17:00	Registration	Forum Foyer
	09:00-17:00	Exhibition & Posters	Hall 10 st floor Forum Part
	09:00-17:00	Press/Speakers Room	Room M 1st floor Forum Part
	09:00-18:00	Career Centre	Rooms F&G 1st floor Auditorium Part
	09:00-18:00	Career Centre	Commission 1 ground floor Auditorium Part
	11:15-12:15	Authors at Poster Board	Hall 10 st floor Forum Part
	17:00-18:00	Take down Posters	Hall 10 st floor Forum Part
	18:00-19:00	Put up New Poster Numbers	Hall 10 st floor Forum Part
Wednesday, April 25, 2007	07:30-08:30	Hang up Posters	Hall 10 st floor Forum Part
	08:00-14:30	Registration	Forum Foyer
	09:00-14:30	Exhibition & Posters	Hall 10 st floor Forum Part
	09:00-14:30	Press/Speakers Room	Room M 1st floor Forum Part
	09:00-18:00	Career Centre	Rooms F&G 1st floor Auditorium Part
	09:00-18:00	Career Centre	Commission 1 ground floor Auditorium Part
	11:15-12:15	Authors at Poster Board	Hall 10 st floor Forum Part
	14:00-14:30	Take down Posters	Hall 10 st floor Forum Part

Programme Time Schedule	
6 Parallel Symposia & Events	
Speaker Presentation	08:30 – 09:05
Speaker Presentation	09:05 – 09:40
Break 09:40 – 10:10	
Speaker Presentation	10:10 – 10:45
Podium Presentations	10:45 – 11:15
Lunch Poster Session	
Keynote Presentations	12:15 – 13:00
Round Table Discussion	13:10 – 14:10
Speaker Presentation	14:15 – 14:50
Speaker Presentation	14:50 – 15:25
Speaker Presentation	15:25 – 16:00
Podium Presentations	16:00 – 16:30
Break 16:30 – 16:45	
EUFEPS Afternoon Sessions	16:45 – 18:15

Congress Reception

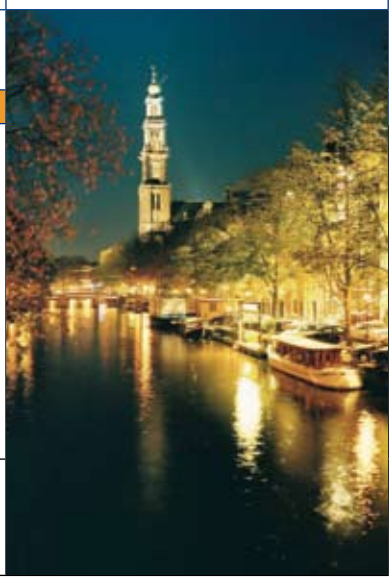
The Welcome Reception is planned on Sunday, April 22, 2007, right after the Opening Session together with the Opening of the PSWC2007/PharmSciFair Exhibition in Hall 10 of the RAI Convention and Exhibition Centre for all participants and accompanying persons.

Congress Dinner

The Congress Dinner on Tuesday, April 24, 2007, will take place at the famous Wintergarden of the Krasnapolsky Hotel, Dam 9, in the Centre of Amsterdam: 20:00-22:30 hours.

Tickets (Euro 90 including VAT) are limited in number (first-come, first-served). For tickets contact the Registration Desk.

Programme at a Glance

Scientific Programme Overview • April 22-25 • 2007			
Sunday	**Monday**	**Tuesday**	**Wednesday**
Registration	Parallel Symposia ■ The era of personalised health care: Impact on drug discovery and development? ■ Is gene/protein delivery delivering? ■ Can ADME and PK be predicted from *in silico/in vitro* data? ■ Metabolomics: What are the opportunities for biomarker discovery? ■ What benefits does Process Analytical Technology (PAT) bring to the design and assurance of product quality? ■ What have we learnt from recent safety cases for new drug development?	Parallel Symposia ■ Druggability: A concept that will fill the pipeline? ■ Drug targeting: How successful are we? ■ What is the state-of-the-science in receptor site modelling? ■ What's new in methods of measuring human drug response? ■ *In silico* product development from molecule to man: Dream or reality? ■ Nutraceuticals: Are new methods of evaluating risk/benefit required?	Parallel Symposia ■ How to manage drug therapy at the extremes of age? ■ How can nanotechnology and materials science solve drug delivery problems? ■ How important is genetic and physiological variability in drug transporters? ■ Systems biology: A driver of drug discovery and development? ■ How to engineer desired particle properties for drug delivery? ■ Off-label use of medicines: Abuse or a vehicle for innovation?
	Posters & Exhibition & Lunch		
Opening Session	Keynote Presentations ■ What are the main challenges for world health? What should be done now and in the future? ■ Transforming 'art' into 'science' in dosage form design – achievements and challenges	Keynote Presentations ■ Are we meeting the challenges of resistance to anti-infective drugs and of newly emerging infectious diseases? ■ Will novel approaches to the treatment of cardiovascular disease prove highly effective?	Keynote Presentations ■ Drug resistance in cancer chemotherapy ■ Recent progress in prion biology
	Round Table Discussions ■ Science or business as the driver of new drug development? ■ Does regulation help to 'innovate' or 'stagnate' drug development? ■ How can the bioavailability of poorly absorbed compounds be enhanced?	Round Table Discussions ■ Translational science: A solution to the productivity gap? ■ Can microdosing accelerate drug development? ■ When is a human bioequivalence study not needed?	Round Table Discussions ■ What is the value of observational data post-marketing to assess safety and efficacy? ■ Life-style drugs: A new burden to the health system? ■ Is there a consensus on guidelines for the evaluation of biosimilars?
	Parallel Symposia ■ Pharmacogenetics at the bedside? ■ What will be the impact of cell-based therapy? ■ Simulation and modelling in drug development improves decisions, saving time and money? ■ Dirty vs. selective drugs in the CNS? ■ How will developments in chemical methods sustain pharmaceutical industrial development? ■ How effective is the globalisation/harmonisation of pharmacovigilance?	Parallel Symposia ■ Drug-drug interactions: Avoid or understand? ■ What is the future of smart, feedback, on-demand drug delivery systems? ■ How are disease and PK-PD connected? ■ Have omics technologies improved the chance for successful drug development? ■ Are pharmaceutical manufacturing technologies in stagnation? ■ Are we using the right outcome measures to ascertain patient benefit from drug therapy?	Parallel Symposia ■ Is the patient taking the tablets? ■ Developing biotech products: What are the challenges and solutions? ■ Control of intracellular pharmacokinetics: Advantages for drug therapy? ■ Molecular targeting in cancer chemotherapy? ■ Miniaturisation in analytical methods: Is small always beautiful? ■ Counterfeiting of medicines: Detection and prevention?
	Round Table Discussion ■ Proactive risk management (plans): Where are we?		
	Short Break		
	EUFEPS Afternoon Sessions ■ Strategic, innovative and critical drug research initiatives: One year later ■ Pharmaceutical sciences research training and education: Needs and supply ■ The EU Microdosing AMS Partnership Programme (EUMAPP) ■ The European Pharma Sciences Leadership Forum (EuPSLF) ■ Pharmaceutical sciences *in silico* learning systems: Value and availability	EUFEPS Afternoon Sessions ■ European drug development centres and European growth areas ■ Reformulation of old drugs: Life cycle management ■ Vaccine delivery ■ PharmacoGenetics & PharmacoGenomics Workshop: Outcomes and plans ■ How to start up a new company? ■ Drug product quality after new legislation	
Exhibition Opening and Welcome Reception		Congress Dinner	

	Parallel Symposium Room: Auditorium The era of personalised health care: Impact on drug discovery and development? Sponsoring Organisation	Parallel Symposium Room: Forum Is gene/protein delivery delivering? Sponsoring Organisation	Parallel Symposium Room: N-O Can ADME and PK be predicted from *in silico/ in vitro* data?
	Co-chairs *M. E. Brewster*, Beerse, Belgium *W. Sadee*, Columbus, OH USA *Y. Sugiyama*, Tokyo, Japan	Co-chairs *H. Harashima*, Sapporo, Japan *W. Hennink*, Utrecht, The Netherlands	Co-chairs *S. Pang*, Toronto, Canada *H. van de Waaterbeemd*, Alderly Park, United Kingdom
08:30	Evaluating molecular genetic factors in drug response: Search for drug targets and biomarkers *W. Sadee*, Columbus, OH USA	A multi-functional envelope type nano device as a non-viral gene delivery system *H. Harashima*, Sapporo, Japan	Translation of *in vitro* data to the whole organ *S. Pang*, Toronto, Canada
09:05	Predicting drug disposition and response in individual patients: Role of drug transporters for influx and efflux processes *Y. Sugiyama*, Tokyo, Japan	Cellular mechanisms of non-viral DNA delivery *A. Urtti*, Helsinki, Finland	*In vitro – in vivo* extrapolation: Best use of known-knowns to discover unknown-unknowns *A. Rostami-Hodjegan*, Sheffield, United Kingdom
09:40	**Coffee Break**		
10:10	Biomarkers in drug development: How do they influence clinical practice? *L.J. Lesko*, Silver Spring, MD USA	Intravenous siRNA for silencing target genes in solid tomor *L. Huang*, Chapel Hill, NC USA	A computational systems biology approach to ADME/Tox S. *Ekins*, New York, NY USA
10:45	Pharmacogenomic analysis reveals determinants of sensitivity and resistance to geldanamycin analogues: Role of membrane transporters *Y. Huang*, Pomona, USA (MO-S01-1)	Silencing of SOCS genes in cancer cells for effective interferon cancer therapy: Enhancement of antitumor activity of interferons by rnai-mediated silencing of socs gene expression *Y. Takahashi*, Kyoto, Japan (MO-S02-1)	Assessment of computational and *in vitro* methods as predictors of oral drug absorption *M. Yliperttula*, Helsinki, Finland (MO-S03-1)
11:00	Pharmacogenetics: From research results to practical guidelines *L. Grandia*, The Hague, The Netherlands (MO-S01-2)	Gene expression and silencing for improved islet transplantation *R. Mahato*, Memphis, USA (MO-S02-2)	Volume of distribution predictions: understanding the processes *T. Rodgers*, Manchester, United Kingdom (MO-S03-2)
11:15	**Posters** **Lunch Break**		
	Keynote Presentation **Room: Auditorium**	**Keynote Presentation** **Room: Forum**	
	Chair *H. Leufkens*, Utrecht, The Netherlands	Chair *M. Hashida*, Kyoto, Japan	
12:15	What are the main challenges for world health? What should be done now and in the future? *R. Laing*, Geneva, Switzerland (KLM-1)	Transforming 'art' into 'science' in dosage form design – achievements and challenges *P. York*, Bradford, United Kingdom (KLM-2)	
	Round Table Discussion **Room: L**	**Round Table Discussion** **Room: A**	**Round Table Discussion** **Room: C-D**
13:10	Science or business as the driver of new drug development? Convenor *L.Z. Benet*, San Francisco, CA USA	Does regulation help to 'innovate' or 'stagnate' drug development? Convenor *L.J. Lesko*, Silver Spring, MD USA	How can the bioavailability of poorly absorbed compounds be enhanced? Convenor *C.-M. Lehr*, Saarbrücken, Germany
	Parallel Symposium Room: Auditorium Pharmacogenetics at the bedside?	Parallel Symposium Room: N-O What will be the impact of cell-based therapy?	Parallel Symposium Room: Forum Simulation and modelling in drug development improves decisions, saving time and money? Sponsoring Organisation
	Co-chairs *G.T. Tucker*, Sheffield, United Kingdom *M. Schwab*, Stuttgart, Germany	Co-chairs *E. Cattaneo*, Milan, Italy *S. Nakagawa*, Osaka, Japan	Co-chairs *D. Stanski*, Basel, Switzerland/East Hanover, NJ USA *M. Danhof*, Leiden, The Netherlands
14:15	Pharmacogenetics – how far is reality from expectation? *G.T. Tucker*, Sheffield, United Kingdom	Innovative neurogenic neural stem cell lines for neurodegenerative disease *E. Cattaneo*, Milan, Italy	Applying mechanistic pharmacokinetic-pharmacodynamic (PK/PD) models to drug development *M. Danhof*, Leiden, The Netherlands
14:50	Multiple gene pharmacogenetics in individualized drug therapy *I. Ieri*, Yonago, Japan	Cancer immunotherapy using gentically modified denritic cells *S. Nakagawa*, Osaka, Japan	Examples of modelling and simulation in the pharmaceutical industry *C. Pillai*, Basel, Switzerland
15:25	Pharmacogenetics in cancer therapy *M. Schwab*, Stuttgart, Germany	Cardiac regeneration: Repopulating the heart *L.J. Field*, Indianapolis, IN USA	The role of innovative model-based trial design to improve drug development *S. Duffull*, Dunedin, New Zealand
16:00	Pharmacogenetics in paediatric drug development and utilisation: Are we going in the right direction? *E. H. J. Krekels*, Leiden, The Netherlands (MO-S07-1)	A study of cell cycle and stem cell markers to identify the factors responsible for cardiac regeneration in mrl mice *F. Moseley*, Reading, United Kingdom (MO-S08-1)	Using pharmacokinetic-pharmacodynamic analysis in drug discovery. An example on the integration of mechanistic, principle and conceptual effect markers. *S. Visser*, Seodertaelje, Sweden (MO-S09-1)
16:15	The association of warfarin dosage in clinical use and pharmacogenomics *Y.-H. Chen*, Taipei, China Taiwan (MO-S07-2)	Alteration of endothelial cell function under high-glucose condition: Association with both disruption of cell-to-cell connection and non-muscle contraction *K. Nobe*, Tokyo, Japan (MO-S08-2)	Quantification of alpha 1-adrenoceptor concentration, ligand binding kinetics and inotropic response in the perfused rat heart: a PK/PD modeling analysis *P. Sermsappasuk*, Halle (Saale), Germany (MO-S09-2)
16:45-18:15	**EUFEPS Afternoon Sessions** *See pages 18-20*		

AMME • Monday

	Parallel Symposium Room: L Metabolomics: What are the opportunities for biomarker discovery?	Parallel Symposium Room: C-D What benefits does Process Analytical Technology (PAT) bring to the design and assurance of product quality?	Parallel Symposium Room: A What have we learnt from recent safety cases for new drug development? ISPE Midyear Symposium
	Co-chairs *T. Hankemeier*, Leiden, The Netherlands *I. Schuppe-Koistinen*, Soedertaelje, Sweden	Co-chairs *S. Folestad*, Moelndal, Sweden *J. Pritchard*, Loughborough, United Kingdom	Co-chairs *H. Leufkens*, Utrecht, The Netherlands *M Sturkenboom*, Rotterdam, The Netherlands
08:30	Systems biology & metabolomics: How far are we? *T. Hankemeier*, Leiden, The Netherlands	Real-time prediction and control of quality – the mechanistic approach to PAT *S. Folestad*, Moelndal, Sweden	A pharmaco-epidemiological reflection on recent drug safety cases *A. Walker*, Boston, MA USA
09:05	The application of metabolic profiling technologies in biomarker discovery during drug R&D *I. Schuppe-Koistinen*, Soedertaelje, Sweden	The benefits of PAT in ICH and Japanese regulation *Y. Hiyama*, Tokyo, Japan	Class effects in drug safety and management *H. Leufkens*, Utrecht, The Netherlands
09:40	**Coffee Break**		
10:10	Metabolomics by CE-MS for biomarker discovery *T. Soga*, Tsuruoka, Japan	Benefits of PAT for bioprocesses: Process design and quality assurance at the example of fermentation processes for recombinant protein production *A. Luebbert*, Halle, Germany	Industry responding to learning from safety cases *S. Perez-Gutthann*, Barcelona, Spain
10:45	A novel immunoassay for monitoring caffeine as an environmental marker for pharmaceuticals input *J. J. Carvalho*, Berlin, Germany (MO-S04-1)	Evaluation of in-line near infrared spectroscopy for predicting tablet content uniformity during powder mixing *H. M. J. Salokangas*, Espoo, Finland (MO-S05-1)	Influence of COX-inhibitors on blood-brain barrier properties *B. Germann*, Vienna, Austria (MO-S06-1)
11:00	Metabolomic approach for QA/QC on TCM material medica processing procedures-using citrus reticulata as the sample *W.-T. Chang*, Taichung, China Taiwan (MO-S04-2)	Raman spectroscopy as a PAT in tablet manufacturing *A. Sakr*, Cincinnati, USA (MO-S05-2)	Monitoring on drug-induced hepatopathy and granulocytopenia using hospital database resources: Prescription and laboratory data linkage *J. Kawakami*, Hamamatsu, Japan (MO-S06-2)
11:15	**Posters** **Lunch Break**		
	Parallel Symposium Room: L Dirty vs selective drugs in the CNS? Sponsoring Organisation Solvay Pharmaceuticals	Parallel Symposium Room: C-D How will developments in chemical methods sustain pharmaceutical industrial development?	Parallel Symposium Room: A How effective is the globalisation/ harmonisation of pharmacovigilance? Endorsing Organisation
	Co-chairs *H. Meltzer*, Nashville, TN USA *C. Sennef*, Weesp, The Netherlands	Co-chairs *T. Ohwada*, Tokyo, Japan *U. Holzgrabe*, Wuerzburg, Germany	Co-chairs *F. Lekkerkerker*, The Hague, The Netherlands *M. Braun*, Rockville, MD USA
14:15	Rational polypharmacy within a single molecule: The basis for current antipsychotic treatment *H. Meltzer*, Nashville, TN USA	Process chemistry as leverage for drug development and profitability in the pharmaceutical industry *T. Konoike*, Amagasaki, Japan	The science underlying the practice of pharmacovigilance *N. Moore*, Bordeaux, France
14:50	The treatment of major depression: Single or multiple target? *F. Artigas*, Barcelona, Spain	Active targeting of anticancer agents: Chemical aspects of folate-drug conjugate design *I. Vlahov*, West Lafayette, IN USA	International variety in interpretation and management of drug safety *N. Wathion*, London, United Kingdom
15:25	Muscarinic receptors as a target in the treatment of disorders of the CNS: Antagonism, agonism or both? *B. Dean*, Melbourne, Australia	The synthetic development of the anti-influenza neuraminidase inhibitor oseltamivir phosphate (Tamiflu®): A challenge for synthesis and process research *M. Karpf*, Basel, Switzerland	ICH, CIOMS, ISOP, ISPE and other acronymic vehicles to enable harmonisation of pharmacovigilance *C-K. Shim*, Seoul, South Korea
16:00	Learning and memory impairments in congenic C57BL/6NTac mice that lack the m2 muscarinic acetylcholine receptor subtype C. Wrenn, Des Moines, USA (MO-S10-1)	Random chemistry as a new tool for the generation of small-compound libraries *U. Holzgrabe*, Wuerzburg, Germany (MO-S11-1)	**Round Table Discussion**
16:15	Neuronal protective effect of recombinant arginine deiminase in a nitric oxide overexpression cell culture system H.-H. Yu, Taipei, China Taiwan (MO-S10-2)	Generation and application of o-benzoquinone methides bearing various substituents on the benzene ring *T. Ohwada*, Tokyo, Japan (MO-S11-2)	Proactive risk management (plans): Where are we? Convenor *F. Lekkerkerker*, The Hague, The Netherlands
16:45-18:15	**EUFEPS Afternoon Sessions** *See pages 18-20*		

	Parallel Symposium **Room: Forum** Druggability: A concept that will fill the pipeline? Sponsoring Organisation 	**Parallel Symposium** **Room: Auditorium** Drug targeting: How successful are we?	**Parallel Symposium** **Room: N-O** What is the state-of-the-science in receptor site modelling?
	Co-chairs *D. Nicholson,* Oss, The Netherlands	Co-chairs *M. Hashida*, Kyoto, Japan *R. Duncan*, Cardiff, United Kingdom	Co-chairs *S. Dahl*, Tromsoe, Norway *M. Ishiguru*, Osaka, Japan
08:30	Druggability and the concept of ADME space *D. Smith*, Sandwich, United Kingdom	Drug and gene delivery by combination of ultrasound and bubble liposomes *K. Maruyama*, Kanagawa, Japan	Genomics to drug targets by molecular modelling *S. Dahl*, Tromsoe, Norway
09:05	Drugability and drug-likeness: A medicinal chemist's view *B. Testa*, Lausanne, Switzerland	Polymeric conjugates as anticancer nano-medicines: Mechanism of action and drug combinations *R. Duncan*, Cardiff, United Kingdom	Functional structural models of G protein coupled receptors *M. Ishiguru,* Osaka, Japan
09:40	**Coffee Break**		
10:10	Concave druggability of protein surfaces for accelerating *in silico* screening *H. Shirai*, Tsukuba, Japan	Targeting with molecularly decorated nano-particles *N. Peppas,* Austin, TX USA	Structure-based virtual screening *J. Irwin*, San Francisco, CA USA
10:45	Predicting druggable proteins from amino acid sequence by a machine learning approach *C.W. Yap*, Singapore, Singapore (TU-S01-1)	Prevention of cytokines responses in cardiac allograft rejection by systemic injection of nf-kappa B decoy/mannosylated cationic lipo-some complexes *Y. Higuchi,* Kyoto, Japan (TU-S02-1)	Identification of a conserved hydrophobic asparagine-cage as a constraint for family a GPCR activation *A. Jongejan,* Amsterdam, The Netherlands (TU-S03-1)
11:00	Medicinal chemistry of hERG optimisations *E. Moir,* Newhouse, United Kingdom (TU-S01-2)	Squalenoylated-gemcitabine nanomedi-cine exhibits potential in cancer therapy at preclinic *H. R. Lakkireddy,* Châtenay-Malabry, France TU-S02-2)	Delineating a powerful virtual screening protocol for G-protein coupled receptors: Application to selective kappa opioid receptor agonist, salvinorin a *N. Singh*, Mississippi, USA (TU-S03-2)
11:15	**Posters** **Lunch Break**		
	Keynote Presentation **Room: Auditorium** Sponsoring Organisation 	**Keynote Presentation** **Room: Forum** Sponsoring Organisation Solvay Pharmaceuticals 	
	Chair *W. Sadee*, Columbus OH USA	Chair *C. Senneff,* Weesp, The Netherlands	
12:15	Are we meeting the challenges of resistance to anti-infective drugs and of newly emerging infectious diseases? *L. Schlesinger,* Columbus OH USA (KLT-1)	Will novel approaches to the treatment of cardiovascular disease prove highly effective? *J. Kastelein*, Amsterdam, The Netherlands (KLT-2)	
	Round Table Discussion **Room: A** Sponsoring Organisation 	**Round Table Discussion** **Room: L**	**Round Table Discussion** **Room: C-D**
13:10	Translational science: a solution to the pro-ductivity gap? Convenor *D. Nicholson*, Oss, The Netherlands	Can microdosing accelerate drug develop-ment? Convenor *A. Grahnen*, Uppsala, Sweden	When is a human bioequivalence study not needed? Convenor *L.Z. Benet*, San Francisco, CA USA
	Parallel Symposium **Room: A** Drug-drug interactions: Avoid or understand?	**Parallel Symposium** **Room: N-O** What is the future of smart, feed-back, on-demand drug delivery systems?	**Parallel Symposium** **Room: Forum** How are disease and PK-PD connected?
	Co-chairs *K. Thummel*, Seattle, WA USA *A. McLachlan*, Sydney, Australia	Co-chairs *J. Kopecek*, Salt Lake City, USA *K. Kataoka*, Tokyo, Japan	Co-chairs *Y. Tanigawara*, Tokyo, Japan *R. Bruno*, Mountain View, CA USA
14:15	Managing herb-drug interactions: Under-standing mechanism and educating the public *A. McLachlan*, Sydney, Australia	Smart drug delivery systems: State-of-the-art and future directions *J. Kopecek*, Salt Lake City, USA	Bone disease progression and drug action *N. Holford*, Auckland, New Zealand
14:50	Role of the pharmacist in avoiding drug-drug interactions with patient self-care *E. Nakashima*, Tokyo, Japan	Light-induced gene and drug delivery by supramolecular nanocarrier *K.Kataoka*, Tokyo, Japan	Mechanism-based modelling of disease pro-gression – disease system analysis *B. Ploeger*, Leiden, The Netherlands
15:25	Application of a drug-drug interaction data base in drug development and clinical educa-tion *K. Thummel*, Seattle, WA USA	Smart polymeric carriers for biomolecular drugs *P. Stayton*, Seattle, WA USA	Modelling of cancer progression and drug effects *R. Bruno*, Mountain View, CA USA
16:00	Sfinx – construction and implementation of a novel drug drug interaction database *B. Eiermann*, Stockholm, Sweden (TU-S07-1)	Transdermal iontophoresis of dopamine ago-nist 5-OH-DPAT: Correlation of in vitro trans-port to the integrated pk-pd profiles based on non-linear mixed effect modeling *A. K. Nugroho,* Yogyakarta, Indonesia (TU-S08-1)	Pharmacokinetic-pharmacodynamic model for propofol during long-term sedation in the critically ill patient *M. Peeters,* Nieuwegein, The Netherlands (TU-S09-1)
16:15	Can we predict the magnitude of drug-drug interaction in a simple way?: Simulation of interaction of rapidly-eliminating drugs with fluvoxamine by dynamo-pk analysis method *K. Iga,* Kyotanabe, Japan (TU-S07-2)	Biodegradable microparticles containing dexamethasone and spions for intra-articular delivery *N. Butoescu,* Geneva, Switzerland (TU-S08-2)	Population pharmacokinetic modelling of radioiodine turnover in patients with Graves' disease *I. Grabnar,* Ljubljana, Slovenia (TU-S09-2)
16:45-18:15	**EUFEPS Afternoon Sessions** *See pages 18-20*		

AMME • Tuesday

	Parallel Symposium **Room: A** What's new in methods of measuring human drug response? Sponsoring Organisation 	**Parallel Symposium** **Room: C-D** *In silico* product development from molecule to man: Dream or reality?	**Parallel Symposium** **Room: L** Nutraceuticals: Are new methods of evaluating risk/benefit required?
	Co-chairs *A. Cohen*, Leiden, The Netherlands *P. Macheras*, Athens, Greece	Co-chairs *P. York*, Bradford, United Kingdom *V. Venkatasubramanian*, West Lafayette, IN USA	Co-chairs *H. Ohama*, Tokyo, Japan *R. Oledzka*, Warsaw, Poland
08:30	The data intensive first administration to man study – functional outcome replaces tolerability: The impact of new measurement techniques *A. Cohen*, Leiden, The Netherlands	Structure, thermodynamics and kinetics of pharmaceutical systems from molecular simulation *J. Anwar*, Bradford, United Kingdom	Risk analysis and evaluation of scientific evidence for nutraceuticals in Japan *H. Ohama*, Tokyo, Japan
09:05	Pathophysiological concepts as a basis for the measurement of treatment response in inflammatory and obstructive airway disease *H. Reddel*, Camperdown, Australia	Computer aided design and optimisation for pharmaceutical formulations *K. Takayama*, Tokyo, Japan	Risk assessment and benefit evaluation for neutraceuticals *J. Hathcock*, Washington, DC USA
09:40	**Coffee Break**		
10:10	PET imaging for evaluation of drug effects in neuropsychiatric disease *M. Laurelle*, Greenford, United Kingdom, and New York, NY USA	Cyberinfrastructure enabled pharmaceutical products design and engeneering opportunities and challenges *V. Venkatasubramanian*, West Lafayette, IN USA	Benefits of antioxidants *H.K. Biesalski*, Hohenheim, Germany
10:45	Sensitivity of the items of the Montgomery Asberg depression rating scale to treatment response: Impact of different endpoints on clinical study design for antidepressant drugs *G. Santen*, Leiden, The Netherlands (TU-S04-1)	Expert system software for solid dosage form formulation design. *E. Krausbauer*, Basel, Switzerland (TU-S05-1)	Organic vs. conventional apple juices: polyphenol profile, anti-oxidant capacity, anti-cancer activity, and inflammatory bowel disease modulator activity *E. Mejia-Meza*, Pullman, USA (TU-S06-1)
11:00	Application of computation in translational research: A randomized trial of intravesical mitomycin c for superficial bladder cancer with 10-year follow-up *J. Au*, Columbus, OH USA (TU-S04-2)	Fundamental understanding through simulations? *S.-M. Siiriä*, Helsinki, Finland (TU-S05-2)	Effects of essential fatty acids on expression level and function of P-glycoprotein in inflammatory bowel diseases *A. Nomura*, Tokyo, Japan (TU-S06-2)
11:15	**Posters** **Lunch Break**		
	Parallel Symposium **Room: Auditorium** Have omics technologies improved the chance for successful drug development?	**Parallel Symposium** **Room: L** Are pharmaceutical manufacturing technologies in stagnation?	**Parallel Symposium** **Room: C-D** Are we using the right outcome measures to ascertain patient benefit from drug therapy?
	Co-chairs *T. Guentert*, Basel, Switzerland *M. Bleavins*, Ann Arbor, MI USA	Co-chairs *J. Fix*, Lawrence, KS USA *Y. Capan*, Ankara, Turkey	Co-chairs *G. Skrepnek*, Tucson, TX USA *A. Hussain*, Dubai, United Arab Emirates
14:15	Genomics and drug discovery: Have the promises been fulfilled? *K. Lindpaintner*, Basel, Switzerland	The changing landscape of pharmaceutical manufacturing: Incremental or breaking new ground? *J. Fix*, Lawrence, KS USA	Outcomes measurement: Overview of theoretical and applied issues *G. Skrepnek*, Tucson, TX USA
14:50	Omics and the search for improved biomarkers *M. Bleavins*, Ann Arbor, MI USA	Innovation needed in pharmaceutical research and technology in the 21st century *R. Ibuki*, Yaizu, Japan	Outcome measurement: Issues and strategies for pre-market development *W-F Huang*, Taipei, China Taiwan
15:25	Changing the drug development paradigm: Opportunities offered by new technologies *J. Kuromitsu*, Tsukuba, Japan	Can new production technologies and new excipients meet the demands of future drugs? *H. Frijlink*, Groningen, The Netherlands	Outcomes measurement: Issues and strategies for post-marketing development *J. Cooke*, Manchester, United Kingdom
16:00	Microarray analysis of chlamydia pneumoniae infected human epithelial cell line using gene ontology hierarchy *J. Alvesalo*, Helsinki, Finland (TU-S10-1)	Monitoring the modification of budesonide-lactose interactions within dry powder inhaler formulations using atomic force microscopy *F. Buttini*, Parma, Italy (TU-S11-1)	Abuse & misuse of lifestyle drugs in Korea *K. Kwon*, Seoul, South-Korea (TU-S12-1)
16:15	Quantitative proteomic analysis of human renal cell carcinoma using the NBS method J. *Matsumoto*, Kobe, Japan (TU-S10-2)	Production of beclomethasone and salbutamol loaded poly(lactic acid) nanoparticles by a novel electrospraying technique *L. Peltonen*, Heksinki, Finland (TU-S11-2)	Combined prescriptions of cardiovascular drugs and Ginkgo biloba in Taiwan: A population-based study *L.-C. Chang*, Tapei, China Taiwan (TU-S12-2)
16:45-18:15	**EUFEPS Afternoon Sessions** *See pages 18-20*		

	Parallel Symposium Room: N-O How to manage drug therapy at the extremes of age?	Parallel Symposium Room: Forum How can nanotechnology and materials science solve drug delivery problems?	Parallel Symposium Room: Auditorium How important is genetic and physiological variability in drug transporters?
	Co-chairs *H. Derendorf*, Gainesville, FL USA *H. Christensen*, Oslo, Norway	Co-chairs *C-M. Lehr*, Saarbrucken, Germany *H. Ghandehari*, Baltimore, USA	Co-chairs *K. Giacomini*, San Francisco, CA USA *K . Inui*, Kyoto, Japan
08:30	Pharmacotherapy in the elderly *H. Derendorf*, Gainesville, FL USA	Nanomedicines for overcoming biological barriers *C-M. Lehr*, Saarbrucken, Germany	Functional genomics of membrane transporters *K. Giacomini*, San Francisco, CA USA
09:05	Pharmacokinetics and pharmacodynamics in neonates and infants *T. Dalla Costa*, Porto Alegre, Brazil	Particle design for absorption enhancement using a 4-nozzle spray drier and DNA vaccine by self-organised Tat nanospheres *H. Okada*, Tokyo, Japan	Pharmacogenomics of MDR1/ABCB1 and CYP3As in tacrolimus therapy after organ transplantation *K . Inui*, Kyoto, Japan
09:40	**Coffee Break**		
10:10	Dose optimisation in neonates, infants and children *S. Higuchi*, Fukuoka, Japan	Can higher definition of the nanoscale result in better drug delivery systems in the 21st century? *H. Ghandehari*, Baltimore, USA	Assessing the impact of variability in ABC drug transporters using mouse models *A. Schinkel*, Amsterdam, The Netherlands
10:45	Prediction of the oral bioavailability of midazolam in the first 2 years of life *T. N. Johnson*, Sheffield, United Kingdom (WE-S01-1)	Development of octaarginine-modified multifunctional envelope-type nano device for gene delivery *K. Kogure*, Sapporo, Japan (WE-S02-1)	Web-based comprehensive database for all about drug transporters, "TP-Search" *K. Maeda*, Tokyo, Japan (WE-S03-1)
11:00	Towards the in silico child: midazolam pharmacokinetics using physiologically-based pharmacokinetic vs. non-linear mixed effects modeling *S. Willmann*, Leverkusen, Germany (WE-S01-2)	*In vitro* studies into the biological fate of pva nanoparticles for pulmonary delivery *M. Orlu*, Istanbul, Turkey (WE-S02-2)	Regulatory mechanisms for gene expression of human organic anion transporters *K. Ogasawara*, Kyoto, Japan (WE-S03-2)
11:15	**Posters** **Lunch Break**		
	Keynote Presentation **Room: Auditorium** Sponsoring Organisation AstraZeneca life inspiring ideas	**Keynote Presentation** **Room: Forum**	
	Chair *J. Pritchard*, Macclesfield, United Kingdom	Chair *K. Midha*, Saskatoon, Canada	
12:15	Drug resistance in cancer chemotherapy *T. Tsuruo*, Tokyo, Japan (KLW-1)	Recent progress in prion biology *M. Heikenwaelder*, Zurich, Switzerland (KLW-2)	
	Round Table Discussion **Room: A**	**Round Table Discussion** **Room: A**	**Round Table Discussion** **Room: C-D**
13:10	What is the value of observational data post-marketing to assess safety and efficacy? Convenor *M. Rowland*, Manchester, United Kingdom	Life-style drugs: a new burden to the health system? Convenor *G. Alvan*, Uppsala, Sweden	Is there a consensus on guidelines for the evaluation of biosimilars? Convenor *V. Shah*, Rockville, MD USA
	Parallel Symposium **Room: N-O** Is the patient taking the tablets?	**Parallel Symposium** **Room: Auditorium** Developing biotech products: What are the challenges and solutions? Sponsoring Organisation AstraZeneca life inspiring ideas	**Parallel Symposium** **Room: Forum** Control of intracellular pharmacokinetics: Advantages for drug therapy?
	Co-chairs *M. Roberts*, Brisbane, Australia *J. Kennedy*, Cork, Ireland	Co-chairs *M. Tsuchiya*, Gotenba, Japan *S. Frokjaer*, Copenhagen, Denmark	Co-chairs *H. Kroemer*, Greifswald, Germany *D. Roden*, Memphis, TN USA
14:15	When are dose administration aids of benefit? *M. Roberts*, Brisbane, Australia	The challenge of the next generation of therapeutic antibodies *M. Tsuchiya*, Gotenba, Japan	Transporter mediated cellular uptake of drugs as a prerequisite for drug action *H. Kroemer*, Greifswald, Germany
14:50	Ambulatory patient's variable adherence with prescribed drug dosing regimens: Prevalence, patterns, practicalities for drug trials and patient care *J. Urquhart*, Palo Alto, CA USA, and Maastricht, The Netherlands	Drug delivery systems for biopharmaceuticals *S. Frokjaer*, Copenhagen, Denmark	Intracellular pharmacokinetics determines drug action in patients with HIV *R. Kim*, London, Canada
15:25	Medication errors and human factors in medication use safety *P. Schneider*, Columbus, OH USA	Efficient transepithelial delivery of biopharmaceuticals *J. Mrsny*, Cardiff, United Kingdom, and Menlo Park, CA USA	Understanding drug-induced arrhythmias – from intracellular concentrations to candidate genes *D. Roden*, Nashville, TN USA
16:00	Routine use of dose administration aids (DAAs) in the community - characteristics of Australian consumers making this choice *J. Stokes*, Brisbane, Australia (WE-S07-1)	Oral delivery of insulin by new polysaccharide nanoparticles *B. Sarmento*, Porto, Portugal (WE-S08-1)	Methods in drug discovery: measurement of unbound intracellular drug concentrations *M. Friden*, Uppsala, Sweden (WE-S09-1)
16:15	A cross-national study of persistence of antihypertensive medication use in the elderly *B. L. Van Wijk*, Utrecht, The Netherlands (WE-S07-2)	High pressure treatment for the recovery of active protein from protein aggregates: An enabling technology in comparison to traditional chaotrope-based refolding methods *M. Seefeldt*, Boulder, USA (WE-S08-2)	Uptake mechanisms of anti-hiv drugs, 2', 3'-dideoxyinosine and 3'-azido-3'-deoxythimidine by a conditionally immortalized syncytiotrophoblast cell line, TR-TBT *K. Sato*, Tokyo, Japan (WE-S09-2)

AMME • Wednesday

	Parallel Symposium Room: A Systems biology: A driver of drug discovery and development? Sponsoring Organisation 	Parallel Symposium Room: C-D How to engineer desired particle properties for drug delivery?	Parallel Symposium Room: L Off-label use of medicines: Abuse or a vehicle for innovation?
	Co-chairs *C.R. Noe*, Vienna, Austria	Co-chairs *E. Fattal*, Paris, France *T. Nagai*, Tokyo, Japan	Co-chairs *A. Kalis*, The Hague, The Netherlands
08:30	Systems Biology: What does it mean for pharmaceutical sciences? *A. Aszódi*, Vienna, Austria	Particle design for nucleic acids and contrast agents *E. Fattal*, Châtenay-Malabry, France	Two worlds and why the twain will never meet *J. Lisman*, Amstedam, The Netherlands
09:05	The theory of biological robustness and its applications to medicine *H. Kitano*, Tokyo, Japan	Novel particle design for drug delivery *H. Takeuchi*, Gifu, Japan	Regulatory and ecomonic aspects of off-label drug use *A. Wertheimer*, Philadelphia, PA USA
09:40	**Coffee Break**		
10:10	Reconstruction of the genome-wide human metabolic networks: conceptual and practical uses *B. Palsson*, La Jolla, CA USA	How to optimize particle properties for pulmonary drug delivery *G. Hochhaus*, Gainesville, FL USA	The benefits of off-label grug use and its utilisation *K. Tsutani*, Tokyo, Japan
10:45	From enzymes to cells and back: Integrating biochemical and cellular profiling of small molecule kinase inhibitors *J. J. Hornberg*, Oss, The Netherlands (WE-S04-1)	The role of particle characterization in the development and dosage form evaluation of a poorly soluble pharmaceutical drug product *R. Govoreanu*, Beerse, Belgium (WE-S05-1)	On-label and off-label prescribing of erythropoietic agents (epoetin alfa and darbepoetin alfa) in critically ill patients: a multi-center, retrospective study *D. Holdford*, Richmond, USA (WE-S06-1)
11:00	Pharmbiosim - biosimulation of drug metabolism *J. Smolinski*, Dresden, Germany (WE-S04-2)	Supercritical fluid particle design for increasing dissolution rate of poorly-soluble active pharmaceutical ingredients *F. Deschamps*, Champigneulles, France (WE-S05-2)	High rate of off-label use in cardiovascular paediatric pharmacotherapy requires new focus in research *L. Hsien*, Düsseldorf, Germany (WE-S06-2)
11:15	**Posters** **Lunch Break**		
	Parallel Symposium **Room: A** Molecular targeting in cancer chemotherapy?	**Parallel Symposium** **Room: C-D** Miniaturisation in analytical methods: Is small always beautiful?	**Parallel Symposium** **Room: L** Counterfeiting of medicines: Detection and prevention?
	Co-chairs *J. Au*, Columbus, OH USA *S. Eck*, Ann Arbor, MI USA	Co-chairs *S. Lunte*, Lawrence, KS USA *J. Haginaka*, Nishinomiya, Japan	Co-chairs *A. Moffat*, London, United Kingdom *Z. Y. Yang*, Guangzhou, China
14:15	The challenges of developing targeted cancer therapies: An industry perspective *S. Eck*, Ann Arbor, MI USA	Separation based sensors for pharmaceutical analysis using microdialysis and microchip electrophoresis *S. Lunte*, Lawrence, KS USA	New methods for detection of counterfeit medicines for laboratory and field use *A. Moffat*, London, United Kingdom
14:50	A systems pharmacology: Targeting p53 networks *E. Liu*, Singapore, Singapore	Micro and nano chemical systems on chips for analytical and biological sciences *T. Kitamori*, Tokyo, Japan	Analytical methods to detct and fingerprint counterfeit medicines *F. Fricke*, Cincinnati, USA
15:25	Translational research on a drug with multiple molecular targets (suramin) *J. Au*, Columbus, OH USA	Microchip array strategies for biomarker detection using fluorescence and MALDI TOF MS readout *T. Laurell*, Lund, Sweden	Combating counterfeit drugs in Asia *Z. Y. Yang*, Guangzhou, China
16:00	Anti-angiogenic actions of liposomal glucocorticoids on tumor growth *M. Banciu*, Utrecht, The Netherlands (WE-S10-1)	Molecular imaging of redox reaction using OMRI/nitroxyl probe technique *K.-I. Yamada*, Fukuoka, Japan (WE-S11-1)	Transfer of an NIR method for the authentication of tablets and the detection of counterfeit versions *A. J. O'Neil*, London, United Kingdom (WE-S12-1)
16:15	Characterization of paclitaxel-loaded immunonanoparticles *A. Cirstoiu-Hapca*, Geneva, Switzerland (WE-S10-2)		Spurious drugs –epidemic threat to public health and pharma industries *V. Mshra*, Sagar, India (WE-S12-2)

Monday

EUFEPS Afternoon Sessions

	Room: O	Room: L	Room: N-O
	Strategic, innovative and critical drug research initiatives: One year late Chair *O.J. Bjerrum*, Copenhagen DK	Pharmaceutical sciences research training and education: Needs and supply Chair *M. Van der Waart*, Oss NL	The EU Microdosing AMS Partnership Programme (EUMAPP) Chair *R.A. de Zeeuw*, Assen NL
16:45-18:15	Strategic drug research initiatives in Europe: Current and future needs *O.J. Bjerrum*, Copenhagen DK The European Innovative Medicines Technology Platform: Current status 2007 *B. Rainer*, Brusels BE Precompetitive industry collaboration in Europe: 18 months experience of the InnoMed project on predictive toxicology *D. Tweats*, Swansea UK Precompetitive industry collaboration in Europe: 18 months experience of the InnoMed project on biomarkers for Alzheimer's disease *P. Francis*, London UK Discussion	University perspective *S. de Smedt*, Ghent BE Industry perspective *J. Dirach*, Copenhagen DK PPP Reserach Perspective *V. Nickolson*, Leiden NL Discussion	Microdosing: Pros and cons in translational medicine *C. Garner*, York UK EUMAPP: Objectives, approaches and current status *B. Oosterhuis*, Zuidlaren NL Microdosing: Servier strategy and expectations from EUMAPP *E. Foos-Gilbert*, Courbevoie FR Discussion

Tuesday

EUFEPS Afternoon Sessions

	Room: E	Room: L	Room: C-D
	European drug development centres and European growth areas Chair *P. Vuorela*, Turku FI	Reformulation of old drugs: Life cycle management Chair *H. Blume*, Oberursel DE	Vaccine delivery Co-Chairs *J. Bouwstra*, Leiden NL *W. Jiskoot*, Leiden NL
16:45-18:15	Center for New Drug Discovery Tools - DDTC *A. Urtti*, Helsinki FI The Pharma game, new rules, new players *V. Nickolson*, Leiden NL Drug development in the Medicon Valley: Importance of the binational cluster and its international contacts *S. Gestrelius*, Copenhagen DK Discussion	Modified drug delivery – development rationale for therapeutic improvement *E. Soederlind*, Moelndal SE Product preformance in the gastrointestinal tract and perspectives for optimisation *W. Weitschies*, Greifswald DE Life Cycle Management: new chances for for old drugs *H. Blume*, Oberursel DE Discussion Session Sponsor SoeraTec R&D	Virosomes as a platform for improved influenza vaccines *A. Huckriede*, Groningen NL Vaccines for Hepatitis B using DNA and subunit antigens *Y. Perrie*, Aston UK Challenges in non-invasive vaccine delivery *W. Jiskoot*, Leiden NL Discussion

Strategic, Innovative and Critical Drug Research Initiatives: One Year Later

Large initiatives to promote drug sciences, supporting the European pharma industry, have recently been launched or are in their late phase of preparation. Major ones include the European 7th Framework Programme for Research and Technological Development, as well as the Innovative Medicines Initiative (IMI) by the European Pharmaceutical Industries and Associations (EFPIA) and the European Commission, including the InnoMed, PredTox and AddNeuromed projects. Substantial experience of working together in new constellations is gained, already, and considered producing a role model for future collaboration in new IMI projects.

Current status of these initiatives and experiences obtained to date will be presented. Presentations will also be an introduction to a discussion about best practice for joint projects and initiatives.

Pharmaceutical Sciences Research Training and Education: Needs and Supply

Traditionally, academia is primarily involved in defining and executing training and education programmes, as lectures, workshops and courses. The EUFEPS Committee on Training and Education (CTE; www.eufeps.org) is also involved in defining and organising training activities, which will be introduced and discussed.

Education and training is an important activity of the Innovative Medicines Initiative (IMI; www.imi-europe.org). The IMI is a public-private partnership, including patient organisations, universities, hospitals, and regulatory authorities as well as small and large biopharmaceutical and healthcare companies. Drug efficacy, safety, knowledge management and education and training are all pillars of the IMI.

The newly established Dutch Top Institute Pharma (see other summary) puts strong emphasis on training and education. It is a practical example how three partners, all needing well educated and trained scientists are working closely together.

The EU Microdosing AMS Partnership Programme (EUMAPP)

Microdosing is a new safe way to obtain essential human drug metabolism and pharmacokinetic (PK) information with minimal animal testing. Both the European and the US regulatory authorities have published microdosing guidance documents and are open for business. The scientific basis of microdosing relies on that there is reasonable predictivity between microdose and pharmacological dose PK.

noon Sessions

Monday

EUFEPS Afternoon Sessions

EUFEPS Afternoon Sessions

Sponsoring Organisation

TI PHARMA

Room: E
The European Pharma Sciences Leadership Forum (EuPSLF)
Chair
C.R. Noe, Vienna AT

16:45-18:15

Background, initiative and progress
H. H. Linden, Stockholm SE

Aims, ambitions and plans
R. Pellicciari, Perugia IT

Preparing for a changing world of science
C.R. Noe, Vienna AT

Discussion

Room: C-D
Pharmaceutical sciences *in silico* learning systems: Value and availability
Chair
N. Haider, Vienna AT

Computer applications in pharmaceutical education and research
B. Ernst, Basel CH

Pharmasquare – Blended Learning in Pharmaceutical Sciences
S. *Moss*, Bath UK

PharmXplorer, an integrated platform for e-learning in pharmaceutical sciences
T. Langer, Innsbruck AT

Discussion

Session Sponsor

Tuesday

EUFEPS Afternoon Sessions

Room: O
Pharmacogenetics & Pharmacogenomics Workshop: Outcomes and plans
Chair
A-H. Maitland-van der Zee, Utrecht NL

16:45-18:15

Pharmacocgenetics of adverse drug reactions
M. Pirmohamed, Liverpool UK

Pharmacocgenetics in peadiatrics
E. Jacqz-Aigran, Paris FR

Methods in pharmacogenetics/genomics
A-H. Maitland-van der Zee, Utrecht NL

Discussion

Room: A
How to start up a new company?
Co-Chairs
H. Lennernäs, Uppsala SE
C. Bogentoft, Stockholm SE

Bridging between entrepreneurs and the pharmaceutical industry
H. Lennernäs, Uppsala SE

The hands-on experience
G.T. Tucker, Sheffield UK

The Karolinska Innovation model in starting up companies
C. Bogentoft, Stockholm SE

Discussion

Room: N-O
Drug product quality after new legislation
Chair
H. Köszegi-Szalai, Budapest HU

The impact of new guidance documents on the quality of medicines in Europe
D. van Riet, Bilthoven NL

The present and the expectable future role of the EP in the standardisation of the quality of medicines in Europe
H. Köszegi-Szalai, Budapest HU

Discussion

EUMAPP is a grouping of 10 companies and organisations funded by the EU to a value of over 3 million euros who are undertaking an ambitious programme to (1) examine microdose/pharmacological dose comparisons for seven drugs (2) use microdose PK data to better model human PK in combination with *in silico* and *in vitro* methods (3) compare different analytical approaches and (4) to disseminate the results to both professional and lay people. Will EUMAPP help to put microdosing into the critical path of drug development?

The European Pharma Sciences Leadership Forum (EuPSLF)

The process of drug discovery, development and utilisation for the improvement of human and animal health and welfare is a complex process that involves many individual scientists and organisations from a wide variety of scientific backgrounds. They form scientific communities that, directly and indirectly, contribute to better, new, innovative and safe medicines.

Initiatives towards a "European Pharma Sciences Leadership Forum", comprising the presidents of ten partnering federations and associations, were taken less than one year ago. It is under way and should work for advancing science, engage in European strategic research initiatives, and contribute to relevant training and education of scientists in the wide field of pharmaceutical and related research and development. Speaking up with one voice would, furthermore, demonstrate united commitment to solving problems and setting priorities for both short- and long-range new drug developments and applications in Europe.

Pharmaceutical Sciences *In-silico* Learning Systems: Value and Availability

Academic education in the pharmaceutical sciences is facing a rapidly increasing amount of available information (new insights, latest research results, emerging new disciplines), which has to be turned into profound knowledge, excellent theoretical and practical skills, and decision-making capabilities of our students and graduates. State-of-the-art information technology is becoming increasingly important in making teaching/learning processes more efficient. This technology has the potential to strengthen the classical link between scientific research and education.

Today, "*in-silico* learning", "computer-aided learning", "eLearning", or "blended learning" is going to grow from scattered pilot projects, initiated by a few pioneers, into larger

initiatives on a regional, national, and increasingly international level, especially in the pharmaceutical sciences. Such larger "*in-silico* learning" initiatives will be our focus, including "live" demonstrations.

European drug development centres and European growth areas

The Drug Discovery and Development Technology Centre is a new research centre located in the Faculty of Pharmacy, University of Helsinki. It is a multi-disciplinary unit concentrating on improved technologies for preclinical drug discovery and development.

The Duch Top Institute Pharma is a public-private partnership, including universities, academic medical centres, small, medium and large life science companies. Academic and industrial parties contribute know-how as well as other resources. It is their goal to develop novel, cross-disciplinary drug discovery and development processes that will reduce "time and cost to patient".

The Medicon Valley Academy is a network of universities, hospitals and companies. The cluster itself, and the drug development activities of it are, primarily, in the "Medicon Valley" (Copenhagen DK and in Malmö/Lund SE region). Goals include improving Danish-Swedish collaboration. Collaboration with ScanBalt links to other Nordic/Baltic Sea initiatives and organisations.

Reformulation of Old Drugs: Life Cycle Management

Could the life cycle of drugs available since long be further expanded? Utilising and combining the wealth of knowledge and experience gained of old drugs with new scientific insights and regulatory requirements should provide such an opportunity for improved drug therapy. Approaches in doing this include, for example, improved and modified drug delivery at the target of drug action. For oral drugs, product performance in the gastrointestinal tract and how to optimise it is crucial. Perhaps, not all old drugs would survive, but for many systematic "Life Cycle Management" will provide new chances.

In this session, the above and related issues will be addresses by experts and further discussed.

Vaccine Delivery

The proper delivery of antigens is a major hurdle in the search for potent vaccines against several priority diseases, such as tuberculosis, HIV/AIDS, malaria, and pandemic influenza. The choice for a certain delivery vehicle depends on the physicochemical characteristics of the antigen(s), the disease and type of immune response that is desired (e.g., Th1/Th2 ratio), as well as the route of administration.

In this session several hot topics in vaccine delivery will be presented and discussed, including innovative delivery systems for (pandemic) flu and hepatitis B vaccines, delivery issues in the field of genetic (DNA) vaccination, and needle-free vaccine delivery approaches.

Pharmacogenetics & Pharmacogenomics Workshop: Outcomes and Plans

A workshop was set up, recently, to bring European scientists in pharmacogenetics and pharmacogenomics together to start developing a roadmap for better collaboration and intensified research, including a network among them and their groups, also towards personalised medicines. Development recommendations from the workshop included, for example: Platform for gathering and promoting knowledge about pharmacogenetics in Europe; mechanisms for sharing and extending existing research, databases and bio-banks; extended collaboration between academia and the pharmaceutical industry; better education and training in pharmacogenetics and genomics; and increased European funding.

Presentations of this session will focus on important research areas and tools, all to further encourage and stimulate discussion, new initiatives and collaborations. Input in the discussion on how to proceed as to the network will be welcome.

How to Start up a New Company?

The first contribution of this session will present a network that supports developments and investments in life science. It links 20 partners with extensive industrial, scientific and entrepreneurial experience, covering the whole value chain, from chemical, pharmaceutical and clinical development to management, intellectual property IP, financing, and commercial exit of projects.

The second one will contribute hands-on experience of a research-based drug development and information management consultancy, delivering leading-edge science that accelerates drug discovery and development. Development of algorithms, databases and software that incorporate physiological, genetic and epidemiological information are in the main focus.

Promoting results of biomedical research to develop new products and applications are the focus of the third presentation. It supports researchers in developing their research results commercially, providing such as project management, funding for patent protection, legal advice and business development, etc.

Drug Product Quality: Needs and Performance

An overview will be provided of recent changes in the pharmaceutical legislation („euroreference preparation" concept, tightening timeframes etc.) and of the new guidance documents issued by the ICH and/or the EMEA, which have an impact on the requirements for the content of quality documentation and on the principles and practice of quality assessment. The well detectable shift from analysing the end products to the more thorough understanding, design and control of the API and product manufacture and application of the concept in the daily routine of dossier compilation and assessment are major current issues of the standardisation of quality of medicines.

After this, we will summarise the legal status of EP monographs and general chapters in the current European pharmaceutical regulatory environment. Applicability and limitations of common standards for articles produced by different manufacturers, via different manufacturing techniques, will be illustrated by several examples in the presentation. Advantages and potental risks of inclusion of guidance documents in the pharmacopoea will also be discussed by the speaker.

Career Centre: Are You Looking for New Career Opportunities?

During the Pharmaceutical Sciences World Congress, FIP is organising a Career Centre. So if you are looking for a new job, want to take your current career in a different direction, or just want to get into contact with representatives from leading pharmaceutical companies, we invite you to participate in this unique event.

Whatever changes or developments you are looking to make within your career, the FIP Career Centre during the PSWC will have something to offer you!

The goal of the Career Centre is to bring Ph.D. students, post doctoral fellows and those individuals already embarked on their career path into contact with representatives from leading pharmaceutical industries and other potential employers. During the FIP Career Centre, opportunities will be available to speak to these representatives, both for informal discussions Centreed around job opportunities, or for a pre-arranged interview for one of the positions posted on the FIP Career Centre website. New job opportunities can and will also be posted throughout the Congress.

The Career Centre will be ongoing throughout the days of the PSWC and will welcome candidates to speak with industry delegates privately in designated recruitment rooms at the Career Centre. Also company presentations will be held. For specific programme details please look on www.fip.org/careerCenter or on the message board in the Forum Area.

Thanks are extended to the Founding Partners of this initiative, AstraZeneca and Pfizer.

For more information and free participation by uploading your CV, please visit:
www.fip.org/careerCenter

Sponsors

Pfizer AstraZeneca life inspiring ideas Solvay Pharmaceuticals SOLVAY QUINTILES

FIP Career Centre at PSWC2007

What?

A Career Centre where participants are able to have informal discussions with company delegates or be invited for one of the pre-arranged job interviews.

Who?

The Career Centre is for Ph.D. students, post doctoral fellows but also for individuals working in the pharmaceutical industry.

How do I participate?

Step 1: Upload your CV on the FIP Career Centre website: www.fip.org/careercenter
Step 2: Apply for one of the jobs posted or wait for an invitation for a general interview after posting your CV
Step 3: Be invited by e-mail for a job interview or a more informal discussion in one of the private recruitment rooms

When?

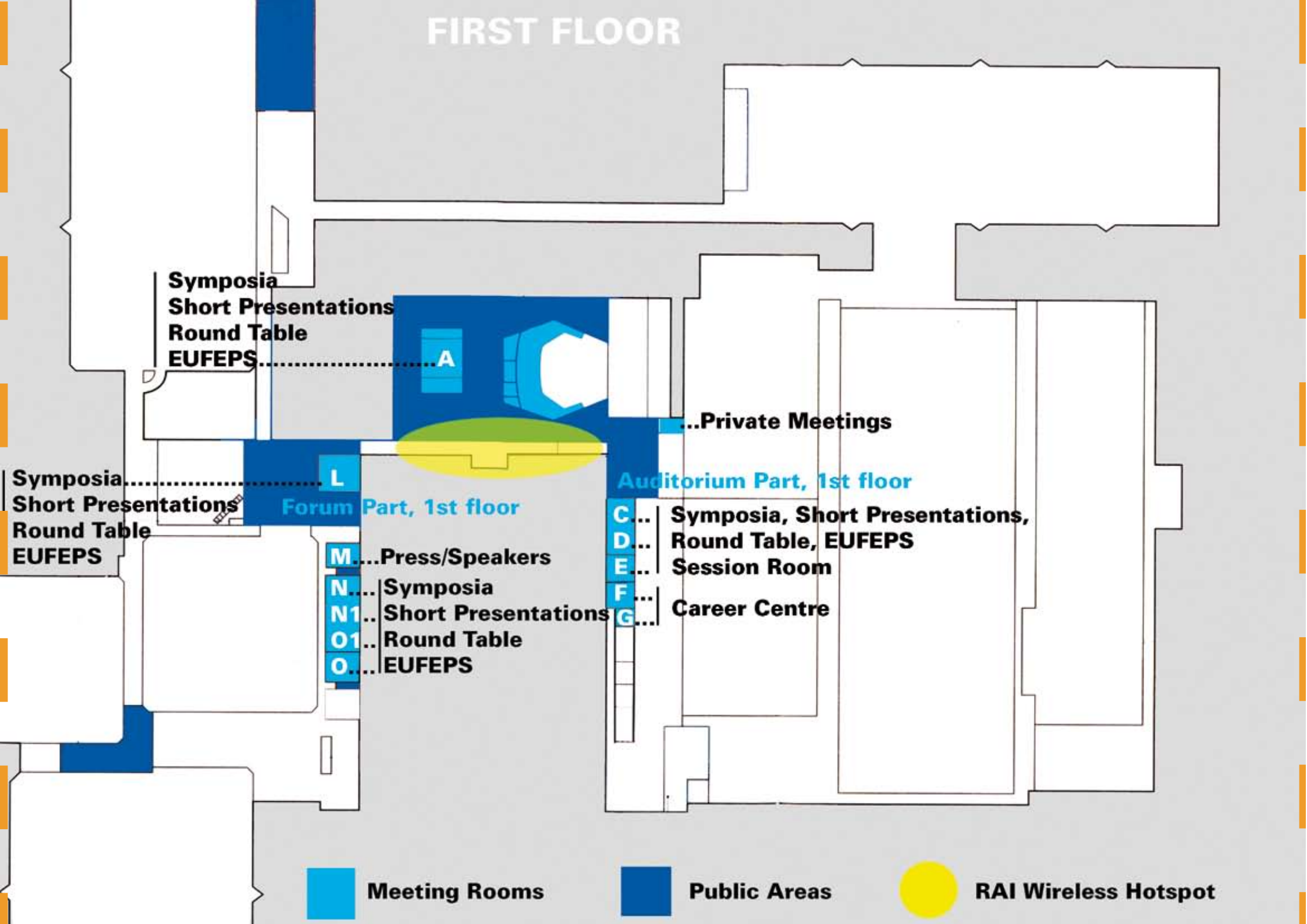
April 22 - 25 during the PSWC 2007, every day from 09:00 - 18:00 hours.

Where?

Amsterdam RAI, at the Career Centre, Rooms F and G on the first floor (Auditorium Area).

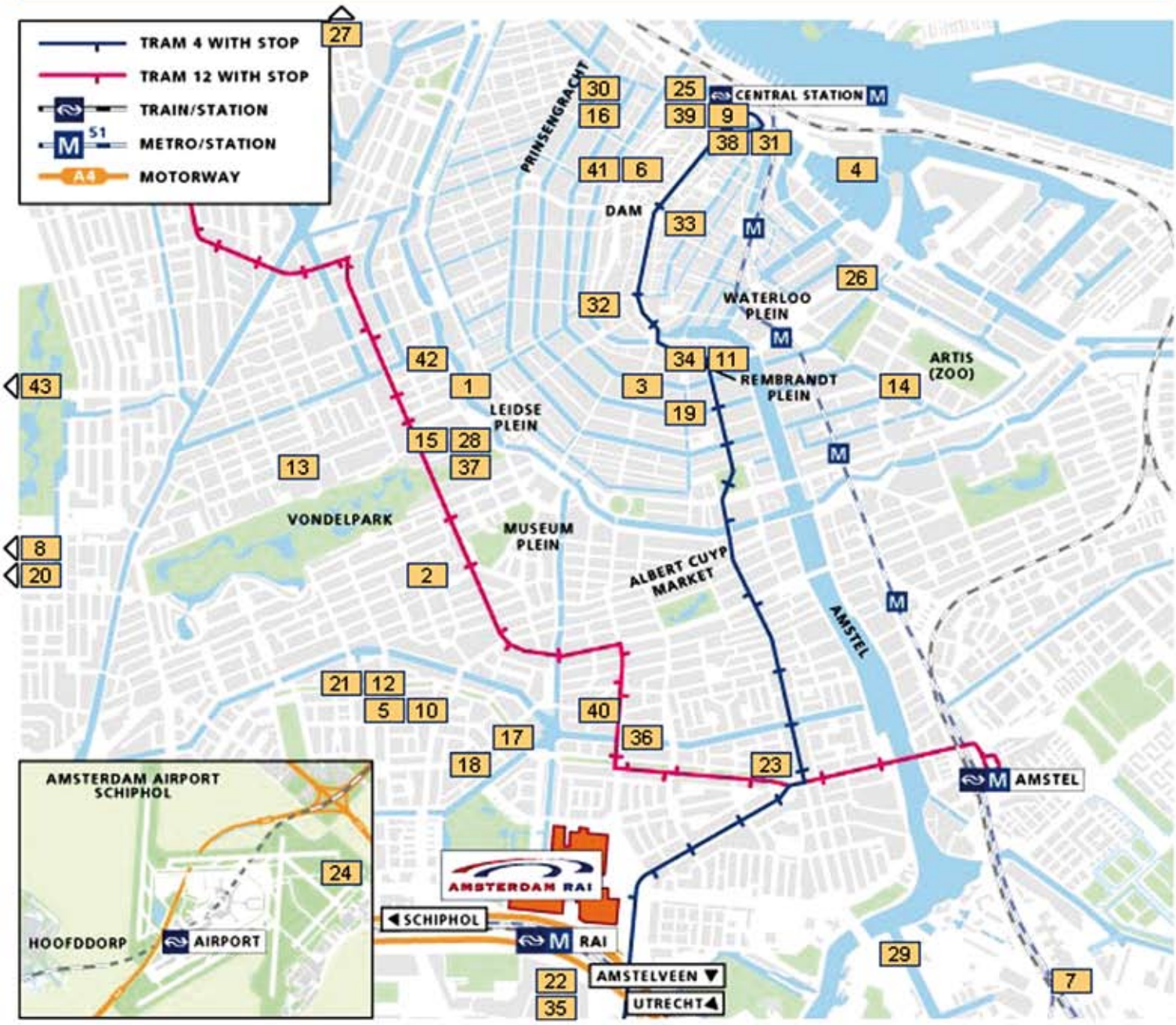
More information

Additional information during the congress can be found on the Message Board (Forum Area) or on the website www.fip.org/careercenter


FIRST FLOOR
Symposia
Short Presentations
Round Table
EUFEPS.....A
...Private Meetings
Symposia..... L
Short Presentations
Round Table
EUFEPS
Forum Part, 1st floor
Auditorium Part, 1st floor
M....Press/Speakers
N....Symposia
N1..Short Presentations
O1..Round Table
O....EUFEPS
C...
D...
E...
F...
G...
Symposia, Short Presentations,
Round Table, EUFEPS
Session Room
Career Centre
Meeting Rooms
Public Areas
RAI Wireless Hotspot


T
S
R
Auditorium
Symposia
Short Presentations
Keynote Lectures
Round Table
EUFEPS
Organising Committee
Career Centre
Symposia
Short Presentations
Keynote Lectures
Round Table
EUFEPS
Forum
Forum
Foyer
Pre-Registrations
On-site Registration
Public Transport Tickets
Hotel Information
Congress Bags
FIP-booth/Career Centre Info
EUFEPS-booth
AMEB-booth
Hall 10
Exhibition
Posters
Food Station
Congress Office
GROUND FLOOR

Map of Amsterdam



1 ACH Leidse Square Hotel
2 ACH Trianon Hotel Amsterdam
3 Albus Grand Hotel
4 Amstel Botel
5 Apollofirst - A Hampshire Classic Hotel
6 Avenue Hotel
7 Bastion Hotel Amsterdam / Amstel
8 Bastion Hotel Amsterdam / Centrum-ZW
9 Bellevue
10 Best Western Delphi Hotel
11 Best Western Eden Hotel
12 Bilderberg Garden Hotel
13 De Filosoof
14 Eden Lancaster Hotel
15 Europa 92 Hotel
16 Golden Tulip Amsterdam Centre
17 Golden Tulip Apollo Amsterdam
18 Hampshire Hotel Beethoven
19 Hampshire Inn - Prinsengracht
20 HEM Hotel Amsterdam
21 Hilton Amsterdam
22 Holiday Inn Amsterdam
23 Hotel V
24 Ibis Amsterdam Airport
25 Ibis Amsterdam Centre hotel - restaurant
26 Ibis Amsterdam City Stopera
27 Ibis Amsterdam Westcorner
28 Marriott Amsterdam
29 Mercure aan de Amstel
30 New Amsterdam
31 NH Barbizon Palace
32 NH City Centre
33 NH Grand Hotel Krasnapolsky
34 NH Schiller
35 Novotel Amsterdam
36 Okura Amsterdam
37 Owl Hotel
38 Park Plaza Victoria Hotel Amsterdam
39 Ramada Amsterdam City Centre
40 Savoy Hotel Amsterdam
41 Sofitel Amsterdam
42 Tulip Inn Amsterdam Centre
43 Tulip Inn Amsterdam City West

The **GVB 72 hours ticket** is by far the easiest way of travelling. The ticket only needs to be stamped once, at the beginning of your first journey. After stamping, you can make unlimited use of GVB trams, buses, metro and night buses for a period of 72 hours (3 days).

General Information

Badges

All delegates and accompanying persons will receive a personal badge upon registration in the Forum Foyer of the RAI Exhibition and Congress Center as of Sunday 22 April, 2007. All participants and accompanying persons are kindly requested to wear their badges throughout the congress. Only participants wearing their name badge will be admitted to the sessions, exhibition in Hall 10, Opening Session and Welcome Reception. Accompanying persons wearing their name badge are welcome to the Exhibition Hall 10, Opening Session and Welcome Reception.

Business Hours

Banks are open from 09:00-16:00 from Monday to Friday. Shops and Department Stores are generally open from 10:00-18:00.

Congress Reception and Dinner

A Welcome Reception will take place on Sunday, April 22, 2007, after the Opening Ceremony in Hall 10 of the RAI Convention Center.

The Congress Dinner is planned on Tuesday, April 24, 2007 in the famous Wintergarden of the Grand Hotel Krasnapolsky, in the city centre. The event is optional and if there are still tickets available, you can purchase them at the on-site registration desk in the Forum Foyer.

Credit cards

Hotels, Shops and Restaurants usually accept all credit cards.

Climate

The congress will take place in April. Temperatures are between 15-20 degrees Celsius.

Currency

The currency used in The Netherlands is EURO.

VAT

VAT (value added tax) in the Netherlands is on most items 19%.

Electrical Appliances

Electrical appliances in The Netherlands operate on 220 volts.

Food Stations

From 11:15 until 14:00 hours there will be food stations in Hall 10.

Housing Agent

RAI Hotel Services has a booth in the registration area of the Forum Foyer.

Insurance

The Organising Committee accepts no liability for personal injuries sustained, sickness or for loss or damage to property belonging to congress participants and/or accompanying persons, incurred either during or as a result of the congress. It is recommended that each participant takes out a personal insurance.

Internet Hot Spots

There are several Hot Spots in the Lobby of the Auditorium. There are computers, tables and chairs. Prices: Euro 7.50 for 1 hour - Euro 19.00 for 24 hours (can be used over various days and time slots). Credit card payment is Euro 0.20 per minute (minimum of 15 minutes).

Language

The official congress language is English. No simultaneous interpretation will be provided.

Public Transport

Train: Amsterdam RAI is easily accessible by train. Air travelers can make use of a direct train connection (4 times per hour). From the RAI station it is a 5 minutes walk to the RAI venue. Trains from/to Roosendaal/Belgium/France call at Schiphol. There are direct connections from Rotterdam, The Hague and Leiden. From Amsterdam Central Station you can take the Amstelveen express tram 51 (travelling time is 12 min.; exit at the RAI station) or tram 4 (travelling time is 30 min.; exit at RAI Europaplein).

Presentation Equipment and Speakers Preview Room

All Session rooms are equipped with a laptop and LCD projection. All speakers are requested to proceed to the Speakers/Press Room: Room M 1st floor of the Forum

Part to check their presentation. A copy of each presentation will be asked by the technician for use in the Press Room and as general back up. Speakers are requested to hand over their memory stick to the technician in each session room, 30 min prior to the morning and afternoon sessions and collect it from the technician at the end of the session.

In your Registration envelope you will find a form on which speakers will be asked whether their (modified) presentations will be available for electronic dissemination upon request as a pdf file.

Press Room

All press representatives are requested to register in the Pre-registration area of the Forum Foyer after which they should proceed to Room M 1st floor Forum Part.

Tipping

It is not necessary to give tips in taxis or restaurants. Service is included in the bill.

However if you are very satisfied with the performance you could round up the bill.

Accreditation by KNMP & NVFG

The Royal Dutch Pharmaceutical Society KNMP has accredited PSWC2007 as a continuing education course for community pharmacists (NL) for 0.5 credit point per half day (accreditation number CvD/1829). Participants who wish to apply have to sign the presence list at the entrance of the session room. The Netherlands Association of Pharmaceutical Physicians NVFG has accredited it as well, with maximum 28 accreditation points (www.nvfg.nl).

Registration

The registration area is open from Sunday, April 22, 2007, until Wednesday, April 25, 2007, in the Forum Foyer of the RAI Convention Centre.

PSWC delegates registration fee includes:

- Access to all scientific sessions Access to the exhibition
- Final Congress Programme
- List of Participants
- Congress Bag
- Name Badge
- Invitation to the Opening Session, Sunday, April 22, 2007
- Invitation to the Welcome Reception, Sunday, April 22, 2007

On-site delegates will receive (if applicable)

- Proof of payment on PSWC letterhead
- Poster certificate on PSWC letterhead
- Certificate of attendance on PSWC letterhead

PSWC Accompanying persons registration fee includes:

- Access to the exhibition
- Name Badge
- Invitation to the Opening Session, Sunday, April 22, 2007
- Invitation to the Welcome Reception, Sunday, April 22, 2007

Payment

Registration fees are to be paid in Euro either in cash or by Credit card (Visa, Eurocard/Mastercard, American Express).

Student registration

- For on-site registration, please bring with you an official document signed by the Head of Department of your University proving your Ph.D Student/Recent Postdoc graduate status (three years after graduation).

Useful Addresses

PSWC2007 Congress Registration & Abstract Handling

NewBrooklyn
P.O. Box 73
NL-3620 AB Breukelen
The Netherlands
Tel +31 346 266110
Email
registration@newbrooklyn.nl

PSWC2007 Enquiries & Information

International Pharmaceutical Federation
FIP Congress & Conferences
Andries Bickerweg 5
P.O. Box 84200
NL-2508 AE The Hague
The Netherlands
Tel +31 70 3021982
Fax +31 70 3021998
Email pswc@fip.org
www.fip.org/PSWC

PSWC2007 Promotion & Website

Hans H. Linden
EUFEPS
P.O. Box 1136
SE-11181 Stockholm
Sweden
Tel +46 8 7235025
Fax + 46 8 4113217
Email hans.linden@eufeps.org
www.eufeps.org

PSWC2007 Accommodation & Reservation

RAI Hotel & Travel Service
P.O. Box 77777
NL-1070 MS Amsterdam
The Netherlands
Tel +31 20 5491927
Fax +31 20 5491946
Email hotelservice@rai.nl
www.rai.nl/hotelservice

PSWC2007 & PharmSciFair Exhibition

Chris Hanney
Health Links
3rd Floor, Windsor House
11A High Street
Kings Heath
Birmingham B14 7BB
United Kingdom
Tel +44 121 2483399
Fax +44 121 2483390
Email channey@health-links.co.uk
www.health-links.co.uk

Public Transport

5 STAR HOTELS	Distance to RAI	Tram to/from RAI - Bus to/from RAI
Bilderberg Garden - Mangerie de Kersentuin	5-10 min by Taxi	tram 5 (direc. Amstelveen Binnenhof) to station Zuid, change to metro 50 (direc. Gein) or metro 51 (direc. Central Station) to RAI
Hilton Amsterdam	5-10 min by Taxi	tram 5 (direc. Amstelveen Binnenhof) to station Zuid, change to metro 50 (direc. Gein) or metro 51 (direc. Central Station) to RAI
Marriott	City Center	tram 7 (direc. Flevopark) or tram 10 (direc. Azartplein) to Frederiksplein, change to tram 4 (direc. RAI) to RAI
NH Barbizon Palace	City Center	tram 4 (direc. RAI) to RAI
NH Grand Hotel Krasnapolsky	City Center	tram 4 (direc. RAI) to RAI
Okura	Walking distance	no tram
4 STAR HOTELS		
Apollofirst	5-10 min by Taxi	tram 5 (direc. Amstelveen Binnenhof) to station Zuid, change to metro 50 (direc. Gein) or metro 51 (direc. Central Station) to RAI
Best Western Delphi	5-10 min by Taxi	tram 5 (direc. Amstelveen Binnenhof) to station Zuid, change to metro 50 (direc. Gein) or metro 51 (direc. Central Station) to RAI
Golden Tulip Inntel Amsterdam Centre	City Center	tram 4 (direc. RAI) to RAI
Holiday Inn	Walking distance	
Le Meridien Apollo	5-10 min by Taxi	bus 15 (direc. Muiderpoort Station) to RAI
Mercure aan de Amstel	5-10 min by Taxi	metro 50 (direc. Isolatorweg) / metro 51 (direc. Amstelveen Westwijk) to RAI
NH Schiller	City Center	tram 4 (direc. RAI) to RAI
Novotel	Walking distance	walk
Savoy Hotel	Walking distance	bus 15 (direc. Muiderpport) to RAI
Victoria	City Center	tram 4 (direc. RAI) to RAI
Sofitel	City Center	tram 4 (direc. RAI) to RAI
3 STAR HOTELS		
Albus Grand	City Center	tram 4 (direc. RAI) to RAI
Amstel Botel	City Center	tram 4 (direc. RAI) to RAI
Avenue	City Center	tram 4 (direc. RAI) to RAI
Bellevue	City Center	tram 4 (direc. RAI) to RAI
Best Western Beethoven	5-10 min by Taxi	tram 5 (direc. Amstelveen Binnenhof) to station Zuid, change to metro 50 (direc. Gein) or metro 51 (direc. Central Station) to RAI
Best Western Eden	City Center	tram 4 (direc. RAI) to RAI
Best Western Lancaster	City Center	tram 9 (direc. Centraal Station) or tram 14 (direc. Slotermeer) to Rembrandtplein, change to tram 4 (direc. RAI) to RAI
Bastion Hotel Amsterdam Amstel	5-10 min by Taxi	metro 51 (direc. Amstelveen Westwijk) to RAI
Bastion Hotel Amsterdam Zuidwest	Outskirts of Amsterdam	metro 50 (direc. Gein) to RAI
Europa 92	City Center	tram 12 (direc. Amstel station) to Victorieplein, change to tram 4 (direc. RAI) to RAI
Hampshire Inn Prinsengracht	City Center	tram 4 (direc. RAI) to RAI
Hotel de Filosoof	City Center	tram 12 (direc. Amstel station) to Victorieplein, change to tram 4 (direc. RAI) to RAI
Hotel V	Walking distance	tram 4 (direc. RAI) to RAI
Ibis Airport	Schiphol area	no tram or bus
Ibis Amsterdam Centre	City Center	tram 4 (direc. RAI) to RAI
Ibis Amsterdam Stopera	City Center	metro 51 (direc. Amstelveen Westwijk) to RAI
Ibis Amsterdam Westcorner	Outskirts of Amsterdam	metro 50 (direc. Gein) to RAI
Leidse Square	City Center	tram 7 (direc. Flevopark) or tram 10 (direc. Azartplein) to Frederiksplein, change to tram 4 (direc. RAI) to RAI
NH city centre	City Center	tram 4 (direc. RAI) to RAI
Owl Hotel	City Center	tram 12 (direc. Amstel station) to Victorieplein, change to tram 4 (direc. RAI) to RAI
Ramada city centre	City Center	tram 4 (direc. RAI) to RAI
Tulip Inn City West	Outskirts of Amsterdam	tram 17 (direc. Central Station) to station Lelylaan, from here metro 50 (direc. Gein)
Tulip Inn Amsterdam Centre	Walking distance	tram 4 (direc. RAI) to RAI

Award Winners

Ole J. Bjerrum

After finishing his medical internship, Ole J. Bjerrum (MD, DMSc) joined the Protein Laboratory at the Medical Faculty, University of Copenhagen as Assistant Professor (1970-1974), and as Associate Professor (1974-1987). In this period he served five years as director of the laboratory. Further to this, Ole J. Bjerrum has 14 years of industrial experience at Novo Nordisk, first as Director of Biolabs (a diagnostic unit), after that as senior principal scientist at Bioscience (working on various aspects of drug discovery, including HTS), and finally as liaison officer between the company and academia and national and international research organisations. In the period 1989-99 he was Adjunct professor in Immunotechnology at the Technical University of Denmark. From August 1, 2001, he is Professor of Pharmacology at the Danish University of Pharmaceutical Sciences, from 2007 on the University of Copenhagen Scientifically Ole J. Bjerrum has been engaged in the analysis and characterisation of membrane receptors and transporters, employing electrophoresis and immunotechnology tools (thesis 1977). Lately, his interest has been in in vitro and *in vivo* pharmacology aspects of chronic pain conditions. His publication list covers 3 books and more than 135 peer reviewed scientific papers.

Ole J. Bjerrum is a Fellow of the Danish Academies of Technical Sciences and Natural Sciences, respectively. He served as member of the Danish Medical Research Council and of the European Science and Technology Assembly, as well as of the EU Commission 4th and 5th Framework Programme Committee on Biotechnology and Quality of Life, respectively. In addition, he was co-founder of the Centre for Proteome Analysis, University of Southern Denmark. He was associated with the Centre as Adjunct professor from 1999 - 2004.

In 1998, Ole J. Bjerrum joined the EUFEPS Committee on Industrial Relations (CIR). In 1999 he became member of the Executive Committee and served from 2000 as President-elect, from 2003 as President and from 2005 as Immediate past-president. He has taken an interest to promote the pharmaceutical sciences in Europe, through initiatives such as the formulation of the theme: New Safe Medicines Faster. An initiative which has had significant impact on the EU 6th Framework Programme for 2003-2007 and which paved the way for the Joint Technology Initiative: Innovative Medicines in the 7th Framework Programme.

William N. Charman

Prof Bill Charman is Dean, Victorian College of Pharmacy, Monash University in Melbourne, Australia. He received his PhD in pharmaceutical chemistry from the University of Kansas in 1985, and from 1986-1989 was a Senior Scientist/Group Leader at the former Sterling-Winthrop Research Institute in Rennselear New York. He returned to Australia in 1989 where his research interests include enhanced absorption and bioavailability of poorly water soluble drugs, lymphatic drug transport, lead candidate optimisation, and the discovery and development of drugs for neglected diseases. He received the GlaxoWellcome International Achievement award in Pharmaceutical Sciences from the Royal Pharmaceutical Society of Great Britain in 1999, the Drug Discovery Project of the Year by the Medicines for Malaria Venture (Geneva, Switzerland) in 2002, the APSA medal in 2005, and the Controlled Release Society international career achievement in oral drug delivery in 2006. He has published over 330 scientific papers and communications, is a member of four international Editorial Boards, and is an Associate Editor of the Journal of Pharmaceutical Sciences. He is an elected Fellow of the American Association of Pharmaceutical Scientists, a previous member of two Corporate Boards, a member of various Scientific Advisory Boards and is Chairman, Seeding Drug Discovery Funding Committee of the Wellcome Trust.

Alfonso Domínguez-Gil Hurlé

Dr. Alfonso Domínguez-Gil Hurlé was born in Gijón (Spain) in 1942. He received a fellowship from the Research Personnel Training Programme of the Spanish Ministry of Education (1968-1971), later receiving a PhD (with Extraordinary Prize). Since 1974 he has been Full professor of Pharmacy and Pharmaceutical Technology at the University of Salamanca (Spain). Currently, he is Professor of Biopharmacy and Clinical Pharmacokinetics. He was the Director of the Department of Pharmacy and Pharmaceutical Technology, Dean of the School of Pharmacy and Vice-Rector responsible for Investigation of the University of Salamanca (1980-1985). He has been a specialist in Hospital Pharmacy since 1975. Currently, he directs the Pharmaceutical Services of the University Teaching Hospital in Salamanca. He has been Director of the specialist courses entitled "Therapeutic Drug Monitoring" run since 1982, of which there have been 24 annual gatherings, attended by 1,800 pharmacists and physicians from Spain, France, Italy, Mexico, Chile, etc. He has delivered many specialist courses dealing with Clinical Pharmacokinetics in Spanish and non-Spanish Universities and at meetings of Spanish Scientific Societies: Hospital Pharmacy, Nephrology, Intensive Care, Chemotherapy, etc.

Dr. Domínguez-Gil Hurlé is the author of more than 300 publications concerning clinical

pharmacokinetics and pharmacoeconomy published in international journals. He has delivered more than 200 scientific contributions at Spanish and international meetings. He has participated in 32 clinical pharmacokinetic studies. He currently directs the Unit of Clinical Pharmacokinetics and Pharmaceutical Care for HIV-Positive Patients of the University Teaching Hospital in Salamanca. He is the co-author of the Spanish-English/English Spanish Terminological Dictionary of the Pharmaceutical Sciences published by the Royal Spanish Academy of Pharmacy (2007). He has authored 10 books addressing Hospital Pharmacy and Clinical Pharmacokinetics published in Spain, the United Kingdom and the United States. He has represented Spain at the European Pharmacopoeia of the European Council in Strasburg and at the International Pharmacopoeia in Geneva; he has been President of the Commission of the Royal Spanish Pharmacopoeia (200-2004) and a member of the Scientific Council the Spanish Drugs Agency. He has been Vice-President of the Spanish Society of Pharmacology and a member of the Spanish Agency for Quality Assessment of Universities and of the Spanish Teaching-staff Accreditation Agency in the area of the Health Sciences. He is a member of the Quality Assessment Committee of Pharmacy Schools in Portugal. Currently he is a member of the Quality Agency of the Universities of the Balearic Islands (Spain). Since 1980, he has been President of the Pharmacy and Therapeutics Commission of the University Teaching Hospital in Salamanca and Vice-President of the Ethical Committee for Clinical Research. Since 1998 he has been the Director of the Institute for Safe Medication Practices (Spain), a delegation of the ISMP in the United States. He has received many awards and distinctions, among them the Laude Award for Pharmaceutical Investigation (Spain) in 1974 and the Award of the American Society of Hospital Pharmacy Research and Education Foundation (1994). He represented Spain in the constitution of the Iberian-Latin-American Association of Pharmacy Academies held in Valparaiso (Chile) in 2005. Dr. Domínguez-Gil Hurlé is a member of the Scientific Committee of the Spanish Foundation of Drug Sciences, and belongs to the following Academies: the Royal Spanish Academy of Pharmacy; The Royal Academy of Medicine of Salamanca, The Royal Spanish Academy of Pharmacy in Catalonia (Spain), and the Academy of Pharmacy of Galicia (Spain).

Elias Fattal

Elias Fattal is a Full Professor of Pharmaceutical Technology at the University of Paris-XI in Châtenay-Malabry, France and has been President of APGI since 2003. He received his Pharmacy Degree (1983), and Ph.D. (1990) from the University of Paris-XI. After visiting the Department of Pharmaceutical Chemistry, University of California, San Francisco for a post-doctoral position with Frank Szoka (1990-1991), he became associate Professor (1992) and full Professor at the University of Paris-XI (2000). Elias Fattal is leading the research group "Drug targeting and delivery of poorly stable drugs" in the CNRS research unit UMR CNRS 8612. He is also vice-chair of this department. His research activity deals with the design of nano- and microtechnological approaches for the delivery of peptides/proteins and nucleic acids. His special expertise deals with oral administration of proteins and vaccines and the design of delivery systems for antisense oligonucleotides. Special attention was given in recent years to the ocular delivery of nucleic acids and the use of cyclodextrins as absorption enhancing agents. He is the author and co-author of around 135 publications and book chapters and 10 patents. In 1999, he received the Colloidal Drug Carrier Award (at the 5th Expert meeting on colloidal drug carriers, Berlin, Germany). Elias Fattal is the co-editor of the Journal of Drug Delivery Science and Technology, the European editor of the Journal of Biomedical Nanotechnology. He serves on the editorial board of several pharmaceutical journals (Journal of Pharmaceutical Sciences, European Journal of Pharmaceutical Sciences, American Journal of Drug Delivery, and Expert Opinion on Drug Delivery) and nanotechnology dedicated journals (NanoBiotechnology, International Journal of Nanomedicine).

Kathleen M. Giacomini

Dr. Kathy Giacomini is Professor and Chair of Biopharmaceutical Sciences at the University of California, San Francisco. She received her Ph.D. in Pharmaceutics from the State University of New York at Buffalo and completed a post-doctoral fellowship at Stanford University. Dr. Giacomini is considered a leader in the field of pharmacogenomics of membrane transporters. She led the discovery of coding region variants of about 50 membrane transporters that play a role in drug response in ethnically diverse populations. Dr. Giacomini and her group functionally characterized over 100 transporter variants in cells, discovering both gain of function and loss of function variants that may lead to variation in drug response. She has received numerous awards for her research and teaching including the Dawson Award of the American Association of Colleges of Pharmacy and the Research Achievement Award in Drug Metabolism from the American Association of Pharmaceutical Scientists. In 2006, she was elected to the Institute of Medicine of the National Academies.

Hans E. Junginger

H.E. Junginger, Ph.D. was Professor of Pharmaceutics and Head of the Division of Pharmaceutical Technology at the Leiden/Amsterdam Center for Drug Research, Leiden University, The Netherlands until 1 February 2004 when he took early retirement

Since 1 January 2004 he is a guest professor at the Faculty of Pharmaceutical Sciences, Naresuan University, Phitsanulok, in Thailand and since 2005 also a Visiting Professor at the National University of Singapore and at the Pharmacy Department of Ljubljana in Slovenia.

He qualified as a pharmacist in 1967, at the University of Munich, Germany. In 1971, he obtained his Ph.D. degree in Pharmaceutical Chemistry at the University of Saarbr_cken, Germany. From 1972 to 1980 he worked as a researcher at the Technical University of Braunschweig, Germany to obtain his qualification as professor in Pharmaceutical Technology. From 1980 to 2004 he was the Head of the Department of Pharmaceutical Technology at the Leiden/Amsterdam Center for Drug Research, The Netherlands.

He has published more than 280 articles and 35 book chapters. He is the (co)inventor of 8 patents.

His main research areas included the development of novel controlled drug delivery systems (especially for peptide drugs) for the (trans)dermal and peroral routes, utilizing new (bioadhesive) polymers. Especially, multifunctional polymers as polyacrylates and chitosan derivatives have been identified to be safe and non-toxic penetration enhancers for hydrophilic drugs. Furthermore, they are excellent delivery systems for the nasal, pulmonary and oral route for peptides, protein and (DNA) vaccines. Combining superporous hydrogels or other expanding tablet systems with those multifunctional polymers make the oral absorption of peptides feasible.

Until now 52 Ph.D. students have graduated under his supervision and 25 post-docs from all over the world joined his department in Leiden.

Between 1986 until 1990 he was president of the International Association for Pharmaceutical Technology (APV) and in 1994/5 president of the Controlled Release Society.

He was the Scientific Secretary of the International Pharmaceutical Federation FIP (1995 – 2003) and as such member of the Executive Committee of FIP.

He has received several major awards and three honorary doctorates (Ghent, Belgium in 1995, Potchefstroom University in South Africa in 2003 and London University, UK in 2004).

He is a frequently invited speaker at international conferences and a consultant to international pharmaceutical industries.

He loves traveling and as result of this his nickname is "Flying Dutchman". When at home he loves to play piano and to read criminal stories.

Kevin Shakesheff

Kevin Shakesheff is Professor of Tissue Engineering at the University of Nottingham. He is a registered Pharmacist and trained within the NHS as part of his professional qualification in 1992. After obtaining a PhD in polymer science, he moved to the Massachusetts Institute of Technology in the mid 1990s to work on polymers used in tissue engineering. In 1997, he returned to the UK to take up an Engineering and Physical Sciences Research Council Advanced Fellowship. In recent years, he has been named as one of the World's top Young Innovators by MIT's Technology Review, won the 2004 Hanson Award and presented his work at the Royal Insitution under the "Scientists for a New Century" series. He was co-founder of the Tissue and Cell Engineering Society and founder of RegenTec Ltd, a biotech company based in Nottingham and developing clinical products based on regenerative medicine.

Scientific highlights of recent work by Professor Shakesheff's team include the demonstration of formation of polymer & cell composites by a novel supercritical fluid processing route (Ginty et al¸PNAS, 2006 in press), the use of plasma polymers to control the distribution of cells in 3D polymer scaffolds (Barry et al, Advanced Functional Materials, 15, 1134-1140, 2005), and the selective modification of cell responses to ECM proteins on scaffolds (De Bank PA et al, Journal of Materials Chemistry 15, 2047-2055, 2005). Our novel scaffold systems are applied in a number of tissue engineering applications including liver (Thomas et al, Cell Tissues Organs 181, 67-79, 2005), skin (Horobin et al, Wound Repair and Regeneration 13, 422-433, 2005), nerve (Teare et al, Neuroreport, 15, 493-498, 2004) and bone (Yang et al, Journal of Bone and Mineral Research, 18, 47-57, 2003).

Yuichi Sugiyama

Yuichi Sugiyama, Ph.D., born in 1947, is Professor and Chairman, Department of Biopharmaceutics at the University of Tokyo since 1991. The Department name was recently changed to Molecular Pharmacokinetics. Except for a sabbatical at UCLA in 1979-1981 with Professor Kaplowitz, he has been at the University of Tokyo throughout his career, receiving a B.S. in Pharmacy in 1971, a Ph.D. in Pharmaceutical Sciences with Professor Hanano in 1978. He is a co-author of more than 480 publications in international journals as well as 270 book chapters and review articles (ca.60 written in English). His research focuses on two areas: 1) Physiologically based pharmacokinetics: prediction of drug dispositions from in vitro biochemical data; 2) Molecular pharmacokinetics of drug transport in liver, kidney, and brain.

Professor Sugiyama's research on membranes has yielded better understanding of the basic aspects of transport mechanisms. He has discovered several examples in which transporters play a major role in drug disposition by integrating in vitro data with *in vivo* pharmacokinetic models. Moreover, his work has highlighted the importance of considering pharmacokinetic properties in drug development, using screening methods to test large numbers of drug candidates. Detailed in vitro studies of transporters for the first time appear to predict transporter-mediated drug-drug interaction *in vivo*. Analysis of genetic poly-

morphisms in transporter genes are being identified in his laboratory that can account for inter-individual differences in drug disposition. Overall, he has produced a body of scientific work with an impact on our understanding of how drugs work and how to use them.

His work is internationally recognized receiving several awards, including the Ebert Prize of the American Association of Pharmaceutical Scientists (AAPS) in 1985; Takeru-Aya Higuchi Prize in 1990; Pharmaceutical Scientist of the Year Award of the International Pharmaceutical Federation (FIP) in 1994; the Scientific Achievement Award from the Academy of Pharmaceutical Science and Technology, Japan (APSTJ) in 1995; the Scientific Achievement Award from the "Japanese Society for Xenobiotic Metabolism and Disposition (JSSX) " in 2001., The Troy C. Daniels Lectureship from UCSF in 2001; the AAPS Distinguished Pharmaceutical Scientist Award in 2003; the Scientific Achievement Award 2004 from the "Pharmaceutical Society of Japan(PSJ)" and the John G. Wagner Pfizer Lectureship Award in Pharmaceutical Sciences from University of Michigan in 2005. According to the information on the website of ISI Essential Science Indicators (ESI), Thomson ScientificÅiUSAÅj, Prof. Sugiyama achieved the 2nd top position for the number of citations for the last 10 years (Jan 1, 1995 - Aug 31, 2005) in the field of "Pharmacology & Toxicology". He is currently the president of both the "International Society for the Study of Xenobiotics (ISSX)" and the "Japanese Society for Xenobiotic Metabolism and Disposition (JSSX)".

He is/was an editorial board member of several international journals, especially editor in Japan of "Pharmaceutical Research" (1992-1996) and "AAPS Pharm. Sci." (1999-2001). He served as the chairman of the Board of Pharmaceutical Sciences of FIP (2000-2004) as the successor of Dr. Leslie Benet. As a program co-chair, he was a main contributor to the success of the Millennial World Congress of Pharmaceutical Sciences, San Francisco 2000, and further, he chaired the "Pharmaceutical Sciences World Conference", Kyoto, Japan, in 2004. (organized by FIP Board of Pharmaceutical Sciences). He was the President of the Academy of Pharmaceutical Science and Technology, Japan (APSTJ) (2002-2003).

Hiroshi Terada

Dr. Hiroshi Terada, Professor at Tokyo University of Science, is an outstanding scientist in the fields of pharmaceutical sciences and biochemistry. Recently, he took an interest in studying controlled drug delivery formulations, especially those for overcoming infectious diseases.

For a long time, prof. Terada has been a Council Member of FIP, representing the PSJ. He was a co-chair of the Pharmaceutical Sciences World Congress (PSWC2004) in Kyoto. He made every effort to promote PSJ to become a member of FIP when he was a board member of PSJ, and then consistently supported the FIP activity when he was President of PSJ.

Vladimir P. Torchilin

Vladimir P. Torchilin, Ph.D., D.Sc. is a Distinguished Professor and Chair of the Department of Pharmaceutical Sciences and Director, Center for Pharmaceutical Biotechnology and Nanomedicine, Northeastern University, Boston, Mass. He graduated from the Moscow State University with a MS in Chemistry, and also obtained there his Ph.D. and D.Sc. in Polymer Chemistry, Chemical Kinetics and Catalysis, and Chemistry of Physiologically Active Compounds in 1971 and 1980, respectively. In 1991 Dr. Torchilin joined the Massachusetts General Hospital and Harvard Medical School as the Head of Chemistry Program, Center for Imaging and Pharmaceutical Research, and Associate Professor of Radiology. Since 1998 Dr. Torchilin is with Northeastern University. His research interests have focused on biomedical polymers, polymeric drugs, immobilized medicinal enzymes, drug delivery and targeting, pharmaceutical nanocarriers for diagnostic and therapeutic agents, and experimental cancer immunology. He has published more than 300 original papers, more than 100 reviews and book chapters, wrote and edited 10 books, made over 250 invited lectures and seminars and holds more that 40 patents. He served on multiple NIH Study Sections and is on the Editorial Boards of many leading journals including Journal of Controlled Release (Review Editor), Bioconjugate Chemistry, Advanced Drug Delivery Reviews, European Journal of Pharmaceutics and Biopharmaceutics, Journal of Drug Targeting, Molecular Pharmaceutics, Journal of Biomedical Nanotechnology, and many others. Among his many awards, Professor Torchilin was the recipient of the 1982 Lenin Prize in Science and Technology (the highest scientific award in the former USSR).

He was elected as a Member of the Russian Academy of Biotechnology and the European Academy of Sciences. He is also a Fellow of the American Institute of Medical and Biological Engineering and of the American Association of Pharmaceutical Sciences and received the 2005 Research Achievements in Pharmaceutics and Drug Delivery Award from the AAPS. He is on the Board of Directors of the International Liposome Society, and in 2005-2006 he served as a President of the Controlled Release Society.

Post-Satellite Workshop
of the 3rd Pharmaceutical Sciences World Congress (PSWC2007)

Monoclonal Antibodies

April 26-27 • 2007 • Amsterdam • The Netherlands

Scope and Aim

Monoclonal antibodies are one of the most important classes of therapeutic recombinant proteins. They are under clinical evaluation for a broad range of important therapeutic areas including cancer, rheumatoid arthritis and infectious diseases. Classical Biotech companies are no longer the only players and traditional large Pharma companies have now also recognised the potential of recombinantly manufactured monoclonal antibodies.

This Workshop will cover a broad spectrum of topics from the design and engineering of monoclonal antibodies, through process development (e.g. cell line optimisation and down stream processing), analytics, formulation aspects and manufacturing up to clinical applications. An important element of the Workshop will be the attention paid to current regulatory requirements for the introduction of monoclonal antibodies. Trends towards modification of antibodies by conjugation or subsequent glycosylation as well as their reduction in size to antibody fragments such as domain or single chain antibodies will also be discussed.

Location

Hotel Park Plaza Victoria Amsterdam, Damrak 1-5, 1012 LG Amsterdam.

Additional Information

Consult the PSWC2007 Website, the EAPB Website or the EUFEPS Online.

Scientific Planning Committee

Karoline Bechtold-Peters, Boehringer Ingelheim, Germany, Co-chair
Wim Jiskoot, Leiden/Amsterdam Center for Drug Research (LACDR), Co-chair
Daan J.A. Crommelin, Dutch Top Institute Pharma, The Netherlands
Barry Moore, XstalBio, United Kingdom
Wayne Gombotz, Omeros Corp., USA
Jan van de Winkel, Genmab, The Netherlands
Sven Stegemann, Capsugel, Belgium

Registration

For Registration on line access the Workshop web site of the EUFEPS Online at: www.eufeps.org or report to the EUFEPS booth at the PSWC2007.

EAPB www.eapb.org
EAPB is a professional association dedicated to the advancement of biotechnology in pharmaceutical sciences, specifically as applied to industrial materials, processes, products and their associated challenges. Its members constitute scientists employed in industry, government and university laboratories, biotech companies and scientific organisations.

EUFEPS www.eufeps.org
Founded in 1991, the mission of EUFEPS is to advance excellence in the pharmaceutical sciences and innovative drug research, and to represent the interests of scientists engaged in drug research and development, drug regulation and drug policymaking. Currently, EUFEPS links 24 Member Societies in 24 European countries.

AAPS www.aaps.org
AAPS is a professional scientific society of more than 12,000 members employed in academia, industry, government and other research institutes worldwide. Founded in 1986, AAPS provides a dynamic international forum for the exchange of knowledge among scientists to enhance their contributions to public health.

FIP www.fip.org
FIP, founded in The Hague, more than 90 years ago, is the worldwide federation of national pharmaceutical, professional and scientific, associations, with a mission to represent and serve pharmacy and pharmaceutical sciences around the globe. Through its member association, FIP connects, represents and serves more than a million pharmacists and pharmaceutical scientists around the world.

Organisers and Co-sponsors

Organisers of this PSWC 2007 Post-Satellite are the European Association of Pharma Biotechnology (EABP) and the European Federation for Pharmaceutical Sciences (EUFEPS), and it is co-sponsored by the American Association of Pharmaceutical Scientists (AAPS) and the International Pharmaceutical Federation (FIP).

Thursday • April 26, 2007

Welcome, Introduction and Opening Remarks

Keynote Presentation: Past, Present and Future of Antibody Therapeutics
Sir Gregory Winter, University of Cambridge, UK

Session I: New technologies for design of antibodies and engineering
Chairman: *Jan GJ van de Winkel*, Genmab, NL

Glycoengineered therapeutic antibodies with increased FcgRIII binding affinity and enhanced biological activity
Peter Brünker, F Hoffmann - La Roche, Schlieren - Zürich, CH

Engineering antibody effector funtion
Carl Webster, Cambridge Antibody Technology, UK

Generating novel immuno-therapeutics for small bioactive compounds (haptens)
Andy Porter, Haptogen, UK

Session II: Latest advancements in upstream development including expression systems and feed strategies
Chairman: *Sven Stegemann*, Capsugel, BE

Manufacturing therapeutic monoclonal antibodies in chicken eggs
Marie-Cecile van de Lavoir, Origen Therapeutics, Burlingame CA USA

Qualitative and quantitative comparison of protein expression systems for the manufacturing of antibodies
Rainer Fischer, Fraunhofer-Institut für Molekularbiologie und Angewandte Oekologie, DE

Cell culture points-to-consider: A commercial perspective
Ben Bulthuis, Centocor, NL

Session III: Downstream development including purification and recovery optimisation
Chairman: *Karoline Bechtold-Peters*, Boehringer-Ingelheim, DE

Economic considerations for disposable technologies in antibody manufacturing
Uwe Gottschalk, Sartorius, DE

Challenges in the development of economic and robust downstream processes for therapeutic antibodies using platform technologies
Alexander Jacobi, Boehringer Ingelheim Pharma GmbH & Co. KG, DE

Controlled freeze-thaw technology
Gaël Péron, Stedim Biosystems, FR

Session IV: Physical characterisation, formulation and delivery systems
Chairmen: *Barry Moore*, XstalBio, UK, and *Wim Jiskoot*, Leiden/Amsterdam Center for drug Research (LACDR), NL

Rapid physical characterisation tools for biopharmaceuticals as used in the early development phase
Patrick Garidel, Boehringer-Ingelheim, DE

High concentration processing and formulation of Mabs – New and state-of-the-art approaches
Wolfgang Friess, University of Munich, DE

Novel dry powder antibody formulations
Jan Vos, XstalBio, UK

Analytical challenges addressed
Tudor Arvinte, University of Geneva, CH

Session V: Analytics and specs
Chairman: *Daan JA Crommelin*, Top Institute Pharma, NL

Setting specifications for Mabs - Regulatory perspective
Bernd Liedert, Paul Erlich Institute, DE

Application of analytical ultracentrifugation as an orthogonal method for protein size distribution analysis
James Andya, Genentech Inc., South San Francisco CA USA

Aggregates in biotech products - Regulatory expectations for aggregates
Elizabeth Leininger, StemCells Inc, Palo Alto CA USA

End of day I and panel discussion

Friday • April 27, 2007

Session VI: Scale-up issues and production scale manufacturing
Chairman: *Wayne Gombotz*, Omeros Corporation, Seattle WA USA

How to make successful technology transfers in Mabs production
Tim Clayton, Laboratoires Serono SA, CH

Integrated downstream process design in Mabs production – The white knight to slay the cost dragon?
Jochen Strube, Clausthal University of Technology, DE

Production of human monoclonal antibodies on the human cell-line PER.C6
Erik Hack, Crucell, NL

Session VII: Clinical update (new antibody therapies), commercial impact and new trends
Chairman: *Jan GJ van de Winkel*, Genmab, NL

Anti-IL12p40 antibody development and clinical data
Trudi Veldman, Abbott, USA

Ofatumumab, a novel human CD20 antibody for treatment of lymphoid malignancies and inflammation
Jan GJ van de Winkel, Genmab, NL

Commercial impact and potential of Mab products and Mab production
Andreas Werner, Boehringer Ingelheim, DE

The next generation of recombinant immunotoxins
Stefan Barth, Fraunhofer-Institut IME-MB, DE

Session VIII: Pharmacokinetics and safety
Chairman: *Wim Jiskoot*, Leiden/Amsterdam Center for Drug Research (LACDR), NL

Clinical consequences of development of antibodies to therapeutic monoclonal antibodies
Lucien Aarden, Sanquin, NL

Global immunogenicity assessment of antibody therapeutics
Philippe Stas, Algonomics, BE

Safety assessment of monoclonal antibody products – Perspective on preclinical requirements to support the determination of safe use conditions
James D Green, Biogen Idec Inc, Cambridge MA USA

Session IX: Armed antibodies and new classes of antibodies or antibody derivatives
Chairman: *Wayne Gombotz*, Omeros Corp., USA

Conjugated antibodies – Overview and case study on Mylotarg
Boris Gorovits, Wyeth, USA

UniBody: A novel human antibody-based platform for immunotherapy
Paul Parren, Genmab, NL

Potent immunoconjugates for cancer therapy
Peter Senter, Seattle Genetics, USA

Discussion Forum: Future of antibody therapeutics/what are the next steps?
(Prepared questions, participants to forward questions on cards, panel discussion)

Sponsors

Young Pharmaceutical Scientists Meet in Amsterdam

Scope and Aim

The Pharmaceutical Sciences World Congress 2007 is pleased to offer a pre-satellite symposium dedicated to the next generation of pharmaceutical scientists. Doctorate students and postdoctorate fellows from all over the world convene in Amsterdam to exchange ideas and discuss the latest developments in pharmaceutical sciences.

During the one and a half day event, young scientists present lectures in parallel sessions on such topics as: Target Discovery/Medicinal Chemistry, Pharmacokinetics / Pharmacodynamics, Drug Delivery, Pharmaceutical Analysis / Bioanalysis / Quality Assurance / Regulatory Affairs, Clinical Pharmacy / Pharmacoepidemiology and Toxicology / Safety. In addition, poster presentations are held on the latest research findings in all fields of pharmaceutical sciences. The students/postdoctoral fellows have the opportunity to present their work during "poster walks".

In each scientific section, the most outstanding poster presentation is honored with a "Young Investigator Award". Keynote lecturers in all areas give comprehensive overviews on the current developments in their particular fields. This pre-satellite meeting gives young pharmaceutical scientists the unique opportunity to network and share professional experiences before the start of the 3rd Pharmaceutical Sciences World Congress on April 22, 2007.

Location

University of Amsterdam (*Vrije* Universiteit Amsterdam) De Boelelaan 1105, NL-1081 HV Amsterdam, The Netherlands.

Social Programme

Saturday afternoon: Amsterdam tour by foot and boat

Saturday night: Pre-satellite party

Boom Chicago Show, including 3 course dinner and drinks

Organising Committee

S.C. De Smedt (Chair); *P. Augustijns; J. Commandeur; D.J.A. Crommelin; M. Danhof; G.J. De Jong; S. Deferme; J. Demeester; W. Hennink; U. Holzgrabe; O. Klungel; C.M. Lehr; H.H. Linden; E. Mastrobattista; R. Schiffelers; F. Siepmann; J. Siepmann; N.P.E. Vermeulen;* and *B.H. Westerink*

Vrije Universiteit Amsterdam, Amsterdam, The Netherlands
April 20 and 21, 2007

PROGRAMME

Friday, April 20, 2007	
09:00 - 09:15	**Introduction**
09:15 - 09:40	**Key note lecture I** Pharmacogenetics and regulation of human cytochromes (*Dr. C. Rodriguez-Antona*)
09:40 - 10:05	**Key note lecture II** Non-viral gene delivery (*Dr. N. Kobayashi*)
10:05 - 10:30	**Key note lecture III** HIV entry inhibitors: ligand-based design of peptidomimetic CXCR4 antagonists (*Dr. J. Vabeno*)
10:30 - 11:00	Coffee break
11:00 - 12:30	**Oral session I** ■ TD/MC ■ DM/DT/Tox-Saf ■ DD Techno ■ PA/QA/RA ■ CP/PK-PD/PE ■ DD Bio
12:30 - 14:00	Lunch and poster viewing
14:00 - 15:30	**Oral session II** ■ TD/MC ■ DM/DT/Tox-Saf ■ DD Techno (1) ■ DD Techno (2) ■ CP/PK-PD/PE ■ DD Bio
15:30 - 16:00	Coffee break
16:00 - 17:00	**Oral session III** ■ TD/MC ■ DD Techno ■ PA/QA/RA ■ CP/PK-PD/PE (1) ■ CP/PK-PD/PE (2) ■ DD Bio
17:00 - 19:00	Poster walk - wine & cheese buffet

Saturday, April 21, 2007	
09:15 - 09:40	**Key note lecture IV** Peptide mapping of biofluids by multidimensional LC/MALDI-TOF MS (*Dr. E. Machtejevas*)
09:40 - 10:05	**Key note lecture V** Gene expression profiling and breast cancer care (*Dr. N. Oestreicher*)
10:05 - 10:30	**Key note lecture VI** Mechanism-based PK-PD modelling of drug efficacy and safety: application to (semi)-synthetic opioids (*Dr. A. Yassan*)
10.:30 - 10:45	Poster and Galenos award ceremony
10:45 - 11:15	Coffee break
11:15 - 12:45	**Oral session IV** ■ TD/MC ■ DM/DT/Tox-Saf ■ DD Techno ■ CP/PK-PD/PE ■ DD Bio
12:45 - 14:00	Closing of the scientific programme / lunch
14:00 - 16:00	**Interactive Author Seminar** How to write and submit a world-class paper

TD/MC: Target discovery/Medicinal chemistry; DM/DT/Tox-Saf: Drug metabolism/Drug transport/Toxicology-Safety; DD Techno: Drug delivery-Technology; PA/QA/RA: Pharmaceutical analysis/Quality assurance/Regulatory affairs; CP/PK-PD/PE: Clinical pharmacy/Pharmacokinetics-Pharmacodynamics/Pharmacoepidemiology; DD Bio: Drug delivery-Biology.

Sponsors

Visit our website: http://pharmacie.univ-lille2.fr/presatellitePSWC

Pre-Satellite Workshop
of the 3rd Pharmaceutical Sciences World Congress (PSWC2007)

Pharmaceutical Curriculum Development: An evolutionary or a revolutionary process?

Saturday, April 21, 2007
Department of Pharmaceutical Sciences, Faculty of Science, Sorbonnelaan 16, Utrecht

Education Symposium

Over the past several years, pharmacy curricula across the globe have come under the influence of many developments. The explosion of biomedical and pharmaceutical knowledge brought with the unravelling of the human genome, coupled with greater societal needs and expectations placed on pharmacists by an increasingly complex healthcare system, has required changes in the way pharmacists are trained and the skills they bring to the healthcare circle. Competency based education with an emphasis on patient-oriented practice and accountability are the current and future trends in pharmacy education.

Worldwide pharmacy schools face a tremendous challenge in rapidly adapting to these exciting yet sometimes conflicting developments. The intention of the PSWC Education Symposium is to bring together pharmaceutical scientists active in academia to discuss these challenges, possible solutions, and of course the biggest dilemma: How to promote state-of the-art pharmaceutical sciences in curricula when at the same time there is a great societal demand to shift from product-oriented to patient-oriented pharmacy education and practice.

The programme will consist of plenary lectures and round table discussions, offering ample opportunity for interaction. In addition, participants are invited to join in a guided tour of the Dept. of Pharmaceutical Sciences in Utrecht, a Department which has recently seen a radical change in its curriculum and organisational structure focussing on problem-oriented and student centred educational methods, in order to optimally prepare future practitioners and scientists.

For whom?

Academic colleagues who are interested in pharmaceutical curriculum development in particular for 6 years programmes.

How do delegates get there?

Bus transport to Utrecht will leave at 9:00 hrs sharp! in front of: Hotel Novotel Amsterdam, Europaboulevard 10, Amsterdam.

A hostess/student with the sign "Workshop: Pharmaceutical Curriculum Development: an evolutionary or a revolutionary process?" will be present on the spot to guide the delegates.

After the satellite, there is bus transport back to Hotel Novotel in Amsterdam.

Programme

Welcome by *Bert Leufkens*, Dean of the Department of Pharmaceutical Sciences
Anthonius de Boer and *Andries Koster* Department of Pharmaceutical Sciences, Utrecht, the Netherlands *Radical changes of a pharmacy curriculum*
Tetsumi Irie Faculty of Medical and Pharmaceutical Sciences, Kumamoto, Japan *New six-year pharmacy curricula in Japan*
Fe-Lin Lin Wu School of Pharmacy, Taipei, China Taiwan *Evolution of pharmacy education in Taiwan*
Lunch and guided tour through Education Center of the Department of Pharmaceutical Sciences
Kyenghee Kwon College of Pharmacy, Seoul, Korea *The new era of the pharmacy education in Korea: How could we move from subject orientation to professional goals?*
Ian Bates School of Pharmacy, London, United Kingdom *Is it possible to maintain the science base whilst increasing a patient orientation in pharmacy curricula?*
Round Table Discussions

Post-Satellite Symposium
of the 3rd Pharmaceutical Sciences World Congress (PSWC2007)

Microdialysis: The Target Site in Focus

April 26-28, 2007, Leiden, The Netherlands

Prediction of drug target site distribution and effects is of utmost importance for successful drug development. In the last decades a number of useful *in vivo* monitoring techniques have been become available, like PET, NMR and microdialysis. The unique characteristic of *in vivo* microdialysis is that it provides specific information on the extracellular tissue space, which represents the target site of many drugs, but also is the space in which the biochemical events may serve as biomarkers of the drug effects or on a pathological process. This makes that *in vivo* microdialysis has gained a special position within Drug Research and Development. Its potential is continuously growing by gain of insight in microdialysis experimentation, together with the improvement of analytical methodologies able to deal with the typical small-volume-low-concentration samples.

This Symposium will deal with discussions and exchange of knowledge on the latest developments of the role and potential of *in vivo* microdialysis complementary to other techniques and approaches to increase drug candidate selection efficiency, on the basis of the following workshops:

- Methodological Advances and Considerations in Monitoring the Extracellular Space
- Preclinical and Clinical Pharmacokinetics and Target Site Distribution
- Pharmacokinetic – Pharmacodynamic Correlations
- Monitoring Biomarkers and Drug Penetration in Disease Conditions

Organizing Committee:

- Elizabeth CM de Lange, Chair
- Meindert Danhof
- Martha van der ham
- Erik de Vries

More information is available at www.lacdr.nl

Leiden / Amsterdam Center for Drug Research

Leiden University/Vrije Universiteit Amsterdam

INTERNATIONAL PHARMACEUTICAL FEDERATION FIP

EUFEPS EUROPEAN FEDERATION FOR PHARMACEUTICAL SCIENCES

Poster Overview and Abstract Listing

Poster Overview during PSWC2007 in Hall 10, RAI Amsterdam			
Monday, April 23, 2007	317 posters		Please, note!
CP-M-001	CP-M-013	PSWC: Clinical Pharmacology and Biomarkers	07:30-08:30 hang up poster 11:15-12:15 author at board 17:00- 18:00 take down posters 18:00-19:00 change numbers
DMT-M-001	DMT-M-031	PSWC: Drug Metabolism and Transport	
DD-M-001	DD-M-157	PSWC: Formulation, Delivery, Biopharmaceutics and Pharmaceutical Technology	
MC-M-001	MC-M-043	PSWC: Medicinal Chemistry and Natural Products	
PA-M-001	PA-M-020	PSWC: Pharmaceutical Analysis, Bioanalysis, Quality Assurance/Control and Regulatory Affairs	
PE-M-001	PE-M-015	PSWC: Pharmacoepidemiology and Pharmacovigilance	
KD-M-001	KD-M-025	PSWC: Pharmacokinetics and Pharmacodynamics	
KG-M-001	KG-M-014	PSWC: Pharmacokinetics and Pharmacogenetics	
Tuesday, April 24, 2007	312 posters		Please, note!
CP-T-001	CP-T-012	PSWC: Clinical Pharmacology and Biomarkers	07:30-08:30 hang up poster 11:15-12:15 author at board 17:00- 18:00 take down posters 18:00-19:00 change numbers
DMT-T-001	DMT-T-028	PSWC: Drug Metabolism and Transport	
DD-T-001	DD-T-152	PSWC: Formulation, Delivery, Biopharmaceutics and Pharmaceutical Technology	
MC-T-001	MC-T-035	PSWC: Medicinal Chemistry and Natural Products	
PA-T-001	PA-T-020	PSWC: Pharmaceutical Analysis, Bioanalysis, Quality Assurance/Control and Regulatory Affairs	
PE-T-001	PE-T-015	PSWC: Pharmacoepidemiology and Pharmacovigilance	
KD-T-001	KD-T-025	PSWC: Pharmacokinetics and Pharmacodynamics	
TD-T-001	TD-T-026	PSWC: Target Discovery and Molecular Pharmacology	
Wednesday, April 25, 2007	323 posters		Please, note!
CP-W-001	CP-W-012	PSWC: Clinical Pharmacology and Biomarkers	07:30-08:30 hang up poster 11:15-12:15 author at board 14:00-14:30 take down posters
DMT-W-001	DMT-W-028	PSWC: Drug Metabolism and Transport	
DD-W-001	DD-W-152	PSWC: Formulation, Delivery, Biopharmaceutics and Pharmaceutical Technology	
MC-W-001	MC-W-035	PSWC: Medicinal Chemistry and Natural Products	
PA-W-001	PA-W-021	PSWC: Pharmaceutical Analysis, Bioanalysis, Quality Assurance/Control and Regulatory Affairs	
PE-W-001	PE-W-014	PSWC: Pharmacoepidemiology and Pharmacovigilance	
KD-W-001	KD-W-029	PSWC: Pharmacokinetics and Pharmacodynamics	
TOX-W-001	TOX-W-035	PSWC: Toxicology and Safety Sciences	

All abstract texts can be found on the CD that has been inserted in your Congress Bag

Monday April 23, 2007

Clinical Pharmacology and Biomarkers

CP-M-001
A SIMPLE METHOD FOR PREVENTION OF ADVERSE EFFECTS IN DOUBLE FILTRATION PLASMAPHERESIS (DFPP)
Shinji Abe, Mayumi Torii, Yukie Shimooka, Toshihide Kujime, Kazuhiko Teraoka, Kazuyoshi Kawazoe, Kazuo Minakuchi

CP-M-002
SELECTIVITY OF N-HYDROXYSUCCINIMIDE ESTER-MEDIATED PEPTIDE ACYLATION: APPLICATION FOR THE LABELING OF NITROTYROSINE-CONTAINING PEPTIDES
Nicolas Abello, M. Begona Barroso, Huib A.M. Kerstjens, Dirkje S. Postma, Rainer Bischoff

CP-M-003
BARRIERS TO THE IMPLEMENTATION OF PHARMACEUTICAL CARE IN PSYCHIATRY HOSPITAL IN K.S.A
Khalaf Al-Jumaah, Jawza AL-Sabhan, Zeinab Jaglit

CP-M-004
AN ORAL ADSORBENT, AST-120 PROTECTS AGAINST THE PROGRESSION OF OXIDATIVE STRESS BY REDUCING THE ACCUMULATION OF INDOXYL SULFATE IN THE SYSTEMIC CIRCULATION IN RENAL FAILURE
Makoto Anraku, Kazuki Shimoishi, Yuka Tasaki, Toru Maruyama, Masaki Otagiri

CP-M-005
ACHILLEA SANTOLINA REDUCED OXIDATIVE STRESS IN THE LIVER OF STREPTOZOTOCIN-INDUCED DIABETIC RATS
Amin Ardestani, Razieh Yazdanparast

CP-M-006
IDENTIFYING NONRESPONDERS TO ASTHMA AND COPD THERAPY USING LEUKOCYTE PARAMETERS
Madelon Bracke, Karin Velthove, Madelon Bracke, René Schweizer, Patrick Souverein, Maarten Ten Berg, Bert Leufkens, Wouter Van Solinge

CP-M-007
A MODEL-BASED APPROACH TO BRIDGING PHARMACOKINETICS FROM ADULTS TO CHILDREN.
Massimo Cella, Gijs Santen, Meindert Danhof, Oscar Della Pasqua

CP-M-008
FEMALE HORMONE SECRETION OF TOKI-SHAKUYAKU-SAN (JAPANESE TRADITIONAL MEDICINE) AND RESEARCH ON RELATED GENE EXPRESSION CHANGES: USING OVARIECTOMIZED RATS
Mi Hwa Chung, Masao Hattori

CP-M-009
EFFECT OF SIMVASTATIM MICROEMULSION IN THE TRATMENT OF ABDOMINAL SEPSIS IN WISTAR RATS.
Bolívar P. G. L. Damasceno, Amália C. M. Rêgo, Irami Araújo-Filho, Maria Clara Araújo Silva, Victor Dominici Dominici, Eryvaldo Sócrates Tabosa Egito, Aldo da Cunha Medeiros

CP-M-010
SIMVASTATIN MICROEMULSION FOR CICATRISATION OF INFECTED WOUNDS ON MALE WISTAR RATS
Bolívar P. G. L. Damasceno, Amália C. M. Rêgo, Irami Araújo-Filho, Maria Clara Araújo Silva, Victor Dominici Dominici, Eryvaldo Sócrates Tabosa Egito, Aldo da Cunha Medeiros

CP-M-011
SIMULTANEOUS DETERMINATION OF ACE ACTIVITY WITH TWO SUBSTRATES TELLS US ABOUT THE NATIVITY OF SOMATIC ACE AND ALLOWS TO DETECT ACE INHIBITORS IN HUMAN BLOOD.
Sergei Danilov, Binevski Petr, Balyasnikova Irina, Albrecht Ronald, Kost Olga

CP-M-012
ISOSTEVIOL EFFECTS ON THE CONTRACTIVE AND DILATIVE FUNCTIONS OF THE RABBIT HEART FOLLOWING ISCHEMIA-REPERFUSION INJURY.
Andrew Keith Davey, Deyi Xu, Yongfang Li, Jiping Wang

CP-M-013
LC-MS-MS DETECTION OF CORTICOSTERONE IN DIALYSATES SAMPLED FROM THE INTRACEREBRAL LATERAL VENTRICAL OF THE FREELY MOVING RAT
Alistair Firth, Nick Andrews, Tamar Idle, Hugh Marston, Paul Scullion, Laura Johnston

Drug Metabolism and Transport

DMT-M-001
DRUG DISTRIBUTION INTO SALIVA: THE IMPLICATION OF PROTEIN BINDING
Khalid Alkharfy, Tawfeeg Najjar, Sherif Saad

DMT-M-002
INVESTIGATION OF HUMAN PHASE II ENZYMES INVOLVED IN THE METABOLISM OF ROTIGOTINE
Käthe Becker, Susanne Bonsmann, Klaus Hansen, Ute Scharfenecker

DMT-M-003
GASTROPLUS PBPK SIMULATION OF SIMVASTATIN: UPTAKE TRANSPORT BY HEPATIC SEROSAL OATP, BILIARY EFFLUX TRANSPORT BY MUCOSAL PGP, AND METABOLISM BY CYP3A4 IN GUT AND LIVER.
Michael B. Bolger

DMT-M-004
PROTON-COUPLED BASOLATERAL DIPEPTIDE TRANSPORT IN A HUMAN INTESTINAL CELL LINE, CACO-2.
Birger Brodin

DMT-M-005
PHARMACOKINETIC INTERACTION BETWEEN THE BARK OF MAGNOLIAE OFFICINALIS AND METHOTREXATE IN RATS
Ying-Chen Chen, Shang-Yuan Tsai, Yu-Chi Hou, Pei-Dawn Lee Chao

DMT-M-006
EFFECT OF GER-GEN CHIN-LIEN TANG ON THE PHARMACOKINETICS OF VALPROIC ACID IN RATS
Lung-Yen Chen, Chung-Ping Yu, Su-Lan Hsiu, Yu-Chi Hou, Hsiu-Mei Chiang

DMT-M-007
INTERACTION CHARACTERISTICS OF FLAVONOIDS WITH MONOCARBOXYLATE TRANSPORTERS IN CACO-2 CELLS
Eun-Pa Cheon, Kisoo Seo, Hoo-Kyun Choi, Hyo-Kyung Han

DMT-M-008
INTERACTION BETWEEN A LEGUME FLOWER AND CARBAMAZEPINE IN RATS
Ying-chang Chi, Yu-Chi Hou, Pei-Dawn Lee Chao, Su-Lan Hsiu

DMT-M-009
DIFFERENT CYP3A4 ENZYME KINETICS OF MIDAZOLAM IN DIFFERENT MICROSOMAL PREPARATIONS
Hege Christensen, Lillian Wåge Postvoll, Liv Mathiesen, Siri Johannesen, Espen Molden

DMT-M-010
THE INFLUENCE OF EPINEPHRINE IN PH DEPENDENT AMPHETAMINE TRANSPORT *IN VITRO*
Andrew Crowe, Susanna Diep

DMT-M-011
A SINGLE DOSE OF RECOMBINANT ADENOVIRUS SIGNIFICANTLY ALTERS HEPATIC AND RENAL CYTOCHROME P450 EXPRESSION AND FUNCTION FOR 14 DAYS
Maria Croyle, Piyanuch Wonganan, Shellie Callahan

DMT-M-012
SATURABLE CARRIER-MEDIATED ABSORPTIVE TRANSPORT OF METFORMIN, A BIOPHARMACEUTICS DRUG DISPOSITION CLASSIFICATION SYSTEM (BDDCS) CLASS III COMPOUND
Joseph Custodio, Leslie Benet

DMT-M-013
PERMEABILITY STUDY OF ANDROGRAPHOLIDE THROUGH ARTIFICIAL MEMBRANE AND RAT SMALL INTESTINE
Supawadee Daodee, Wangboonskul Jinda, Kanokwan Jarukamjorn, Bungorn Sripanidkulchai

DMT-M-014
THE IMPACT OF ALOE VERA JUICE ON P-GLYCOPROTEIN EFFLUX OF DIGOXIN IN CACO-2 CELLS.
Ane Djuv, Odd Georg Nilsen

DMT-M-015
EFFECT OF HYPOURICEMIC AND HYPERURICEMIC DRUGS ON URATE TRANSPORT BY MULTIDRUG RESISTANCE PROTEIN (MRP) 4
Azza El-Sheikh, Jeroen J.M.W. Van den Heuvel, Jan B. Koenderink, Frans G.M. Russel

DMT-M-016
ASSESSMENTS OF THE INHIBITION OF P-GLYCOPROTEIN TRANSPORT IN CACO-2 CELLS BY WATER EXTRACT OF THE HERBAL REMEDY NATTO K2
Silje Engdal, Odd Georg Nilsen

DMT-M-017
IMPROVING ORAL ABSORPTION OF ANTIVIRAL DRUGS: TRANSPORT AND ACTIVATION OF A CYCLIC CIDOFOVIR PRODRUG
Ulrika Eriksson, Chester J. Provoda, John M. Hilfinger, Charles E. McKenna, Kyung-Dall Lee, Gordon L. Amidon

DMT-M-018
METABOLIC DIFFERENCES BETWEEN SPECIES
Fried Faassen, Evelien Erven, Miranda Koppelaar-de Jager, Frank Klaassen, Benno Ingelse, Herman Vromans

DMT-M-019
METHODS IN DRUG DISCOVERY: EVALUATION OF *IN VITRO* METHODS TO ESTIMATE UNBOUND BRAIN INTERSTITIAL FLUID CONCENTRATION
Markus Friden, Ulf Bredberg, Madeleine Antonsson, Margareta Hammarlund-Udenaes

DMT-M-020
THE RELIABILITY OF ANIMAL MODELS TO PREDICT THE EXTENT OF METABOLISM FOR BIOPHARMACEUTICS DRUG DISPOSITION CLASSIFICATION SYSTEM CLASS 3 DRUGS IN HUMANS
Yunghuei Fu, Leslie Z. Benet

DMT-M-021
FUNCTIONAL CHARACTERIZATION OF NA+-INDEPENDENT CHOLINE TRANSPORT IN PRIMARY CULTURES OF NEURONS FROM MOUSE CEREBRAL CORTEX
Shiori Fujiwara, Ayumi Shimada, Hidemasa Katsumi, Akira Yamamoto, Takuya Fujita

DMT-M-022
IN-VITRO PREDICTION OF INTESTINAL ABSORPTION AND DRUG-DRUG INTERACTIONS OF EFFLUX SYSTEM SUBSTRATES
Eleonore Haltner-Ukomadu, Udo Bock, Annette Amann, Akif Emre Tuereli

DMT-M-023
ESTABLISHMENT AND VALIDATION OF A PULMONARY *IN VITRO* MODEL CALU-3 AND INVESTIGATION OF ITS TRANSPORT ACTIVITIES
Eleonore Haltner-Ukomadu, Bernd Baumstuemmler, Udo Bock, Andreas Kraft

DMT-M-024
TEXT MINING AND QSAR ANALYSIS ON CHEMICALS-CYTOCHROME P450S INTERACTIONS
Hideto Hara, Chunlai Feng, Takayuki Itoh, Fumiyoshi Yamashita, Mitsuru Hashida

DMT-M-025
SODIUM 4-PHENYLBUTYRATE INDUCES CELL SURFACE EXPRESSION AND FUNCTION OF WILD-TYPE AND PFIC2-TYPE MUTATED BSEP
Hisamitsu Hayashi, Yuichi Sugiyama

DMT-M-026
MARKETED CHINESE MEDICINES SIGNIFICANTLY INHIBIT FIVE HEPATIC ENZYMES FOR PHASE I AND PHASE II METABOLISM
Cheng-Huei Hsiong, Chi-Fang Hung, Li-Heng Pao, Oliver Yoa-Pu Hu

DMT-M-027
NICOTINE COMPETITIVELY INHIBITS MPTP AND MPP+ UPTAKE BY RAT BRAIN ENDOTHELIAL CELLS
Hao-Jui Hsu, Horng-Huei Liou, Chin-Yu Shih, Yu-Chia Chang, Chun-Jung Lin

DMT-M-028
THE DRUG EFFLUX PUMP BREAST CANCER RESISTANCE PROTEIN (BCRP/ABCG2) IS EXPRESSED APICALLY IN HUMAN KIDNEY PROXIMAL TUBULE
Miriam Huls, Frans G.M. Russel, Rosalinde Masereeuw

DMT-M-029
INVESTIGATION OF THE TRANSPORTERS RESPONSIBLE FOR THE HEPATOBILIARY TRANSPORT OF A NOVEL ANGIOTENSIN II RECEPTOR ANTAGONIST, TELMISARTAN ACYLGLUCURONIDE
Naoki Ishiguro, Kazuya Maeda, Asami Saito, Wataru Kishimoto, Thomas Ebner, Willy Roth, Takashi Igarashi, Yuichi Sugiyama

DMT-M-030
FUNCTIONAL CHARACTERIZATION OF HUMAN HCP1 AS A PROTON-COUPLED FOLATE TRANSPORTER
Munenori Ishimaru, Katsuhisa Inoue, Yasuhiro Nakai, Mai Hatakeyama, Yayoi Hayashi, Hiroaki Yuasa

DMT-M-031
INVOLVEMENT OF VANILLOID RECEPTOR, TRPV1, IN THE PHYSIOLOGICAL CONTROL OF INTESTINAL DRUG ABSORPTION IN RATS
Komori Yukiko, Chie Nakai, Makoto Kataoka, Shinji Yamashita, Tetsuya Aiba, Yuji Kurosaki

Formulation, Delivery, Biopharmaceutics and Pharmaceutical Technology

DD-M-001
PREPARATION OF POLY(?-CAPROLACTONE) MICROSPHERES: OPTIMIZATION OF PROCESS PARAMETERS USING EXPERIMENTAL DESIGN
Marcela Achim, IOAN TOMUTA, LOREDANA VONICA, SORIN LEUCUTA

DD-M-002
CYCLODEXTRIN - GANTREZ NANOPARTICLES FOR ORAL DELIVERY OF PACLITAXEL
Maite Agüeros, Miguel Angel Campanero, Juan Manuel Irache

DD-M-003
CELECOXIB LOADED PLA AND PLGA NANOPARTICLES PREPARED BY ENCAPSULATOR
Pegi Ahlin Grabnar, Alenka Zvonar, Janez Kerc, Julijana Kristl

DD-M-004
SYNTHESIS OF BUDESONIDE-DEXTRAN ESTERS AS POTENTIAL PRODRUGS FOR COLON SPECIFIC DELIVERY
Fatemeh Ahmadi, Farid Dorkoosh, Jaleh Varshosaz, Afshin Fassihi, Nakisa Rahmani

DD-M-005
NOVEL AMPHIPHILIC AMINO ACID DENDRIMER FOR PACLITAXEL DELIVERY
Naomi Akimoto, Shigeru Kawakami, Tatsuya Okuda, Mitsuru Hashida

DD-M-006
QUANTITATIVE AND MECHANISM-BASED INVESTIGATION OF INTRACELLULAR TRAFFICKING AND POST NUCLEAR DELIVERY EVENTS BETWEEN ADENOVIRUS AND LIPOPLEX
Hidetaka Akita, Hama Susumu, Iida Shinya, Mizuguchi Hiroyuki, Harashima Hideyoshi

DD-M-007
FORMULATION AND EVALUATION OF PARENTERAL DEPOT SUSPENSION FOR METHYL PREDNISOLONE ACETATE
Md Aftab Alam, Javed Ali, Alka Ahuja, Sanjula Baboota, S.K. Gidwani1, Y.S. Bhide1

DD-M-008
GASTRORETENTIVE DRUG DELIVERY FOR OFLOXACIN: *IN VITRO* COMPARISON OF SINGLE AND MULTIPLE UNIT DOSAGE FORM
Javed Ali, Sohail Hasan, Mushir Ali, Sanjula Baboota

DD-M-009
BLOOD COMPATIBILITY OF AN INJECTABLE BONE FILLING SYSTEM BASED ON HYDROXYAPATITE MICROSPHERES
Isabel Almeida, Serafim M. Oliveira, Cristina C. Barrias, Paulo C. Costa, M. Rosa Pena Ferreira, M. Fernanda Bahia, Luís Belo, Alice Santos Silva, Mário A. Barbosa

DD-M-010
CHITOSAN BEADS AS A NEW GASTRORETENTIVE SYSTEM ?OF VERAPAMIL
Abdullah Al-Mohizea, Alaa Eldeen Yassin, Ibrahim Alsarra

DD-M-011
LIGHT- AND TEMPERATURE-RESPONSIVE POLYMER FORMULATIONS FOR DRUG DELIVERY
Carmen Alvarez-Lorenzo, Smeet Deshmukh, Lev Bromberg, T. Alan Hatton, Isabel Sandez-Macho, Angel Concheiro

DD-M-012
DEVELOPMENT OF CREAMS BASED ON WATER-IN-OIL HIGH INTERNAL PHASE EMULSIONS (HIPES) FOR TOPICAL ADMINISTRATION OF BENZOYL PEROXIDE
Maria Helena Amaral, Maria Rosa Pena Ferreira, L_gia Almeida, Maria Fernanda Bahia

DD-M-013
DEVELOPMENT OF MICROPARTICLES CONTAINING ACETYLSALYSILIC ACID BY THE EMULSION/FREEZING METHOD
Maria Helena Amaral, Ana Isabel Figueiredo, Paulo Costa Costa, José Manuel Sousa Lobo

DD-M-014
DIPHTHERIA TOXOID-CONTAINING POWDER FORMULATIONS FOR PULMONARY VACCINATION: PREPARATION, CHARACTERIZATION AND EVALUATION IN GUINEA PIGS
Maryam Amidi, Hubert C. Pellikaan, Hoang Hirschberg, Anne H. De Boer, Daan J.A. Crommelin, Wim E. Hennink, Gideon Kersten, Wim Jiskoot

DD-M-015
PULMONARY DELIVERY OF DRIED INSULIN MICROPARTICLES PREPARED BY SUPERCRITICAL CO2 SPRAYING PROCESS
Maryam Amidi, Hubert C. Pellikaan, Cor J. Snel, Anne H. De Boer, Daan J.A. Crommelin, Wim E. Hennink, Wim Jiskoot

DD-M-016
PRESERVATION OF INFLUENZA VIROSOMES DURING LYOPHILIZATION AND STORAGE USING INULIN SUGAR GLASSES.
Jean-Pierre Amorij, J. De Jonge, W.L.J. Hinrichs, J. Wilschut, A. Huckriede, H.W. Frijlink

DD-M-017
PROLONGED RELEASE OF REGULAR AND MODIFIED HUMAN INSULIN FROM BIODEGRADABLE INJECTABLE GELS AND THEIR BIOLOGICAL EFFECTS IN TYPE II DIABETIC ZDF RATS
Om Anand

DD-M-018
A POSSIBLE NEW WAY TO DELIVERY OF DAUNORUBICIN: MAGNETIC DRUG CARRIERS.
Amanda Karine Andriola Silva, Érica Lira da Silva, Artur Silva Carriço, E. Sócrates Tabosa do Egito, Yoann Lalatonne, Laurence Motte

DD-M-019
LIPOSOMAL DRUGS DISPERSED IN HYDROGELS. EFFECT OF LIPOSOME, DRUG AND GEL PROPERTIES ON DRUG RELEASE KINETICS
Sophia Antimisiaris

DD-M-020
THE EFFECTS OF SELECTED BREAKFAST MEALS AND SODIUM LAURYL SULPHATE ON THE MODELED ABSORPTION OF CHLOROQUINE PHOSPHATE USING THE RABBIT INTESTINE
Musa Autamashih, Musa Ibrahim, Olabayo Kunle

DD-M-021
MICRONEEDLE ARRAY-ENHANCED TRANSPORT OF HYDROPHILIC DRUGS ACROSS HUMAN SKIN *IN VITRO*
Suzanne Bal, F.J. Verbaan, R Luttge, D.J. Van den Berg, J.A. Bouwstra

DD-M-022
TEXTURE ANALYSIS OF VAGINAL BIOADHESIVE GEL FORMULATIONS OF MICONAZOLE NITRATE
Esra Baloglu, Sinem Yaprak Karavana, Zeynep Ay, Tamer Güneri

DD-M-023
A NEW VAGINAL BIOADHESIVE GEL FORMULATION OF MICONAZOLE NITRATE: MIC STUDIES AND COMBINED FORMULATIONS WITH ETHYLENEDIAMINE-TETRAACETIC ACID AGAINST CANDIDA SPECIES
Esra Baloglu, Sinem Yaprak Karavana, Zeynep Ay, Tamer Güneri, Dilek Yesim Metin, Süleyha Hilmioglu

DD-M-024
IN VITRO EVALUATION OF THE ANTIFUNGAL ACTIVITY OF CLOTRIMAZOLE, ETHYLENEDIAMINE-TETRAACETIC ACID AND THEIR COMBINATIONS
Esra Baloglu, Sinem Yaprak Karavana, Zeynep Ay, Ihsan Yasa

DD-M-025
SOFT COMPACTION OF MCC- AND UICEL-PELLETS INTO MUPS
Vincenzo Balzano, Alessandra Guerra, Gabriele Betz, Hans Leuenberger

DD-M-026
DEVELOPMENT OF GASTRORETENTIVE SUSTAINED RELEASE DRUG DELIVERY SYSTEM OF FENOVERINE: *IN VITRO* AND *IN VIVO* EVALUATION
Suresh Bandari, Ramesh Gannu, Madhusudan Rao Yamsani

DD-M-027
CAN THE DRUG RELEASE RATE FROM XANTHAN TABLETS BE PREDICTED FROM THE TEXTURE PROFILING ANALYSIS OF FORMED GEL LAYERS?
Saša Baumgartner, Matej Pavli, Franc Kosel, Julijana Kristl

DD-M-028
BIOWAIVER RECOMMENDATION FOR 4 ANTIMALARIALS
Corina Becker, Sabine Kopp, Jennifer B. Dressman

DD-M-029
KLEPTOSE CRYSMEB IS A BIOCOMPATIBLE CYCLODEXTRIN SOLUBILISER FOR PULMONARY DELIVERY OF RO 28-2653, A NEW SYNTHETIC MATRIX METALLOPROTEINASE INHIBITOR
Leila Belhadj Salem, Cynthia Bosquillon, Luc Delattre, Gary P. Martin, Brigitte Evrard, Ben Forbes

DD-M-030
DOUBLE EMULSIONS : EVALUATION OF STABILITY AND ENCAPSULATION RATE BY AN ORIGINAL MICROBIOLOGICAL METHOD
Yahya Bensouda, Sarrah Marcil, Idriss Lahlou-Amine

DD-M-031
THIOMERS: *IN VITRO* AND *IN VIVO* EVALUATION OF EFFLUX PUMP INHIBITORY PROPERTIES
Andreas Bernkop-Schnürch

DD-M-032
CAN RECTAL OMEPRAZOLE BE USED FOR THE TREATMENT OF GASTROESOPHAGEAL REFLUX IN INFANTS?
Petra Bestebreurtje, A.A. Van Sorge, C.A.J. Knibbe, M. Duran, S.N. De Wildt, D. Tibboel

DD-M-033
TOXICITY AND PGP EFFLUX STUDIES WITH CATIONIC QUATERNARY AMMONIUM SALT DIDODECYLDIMETHYL AMMONIUM BROMIDE (DMAB) AND ITS APPLICATION IN FABRICATING PLGA NANOPARTICLES
Vivekanand Bhardwaj, Marc Schneider, Ulrich Schaefer, Ravi Kumar N. V. Majeti, Claus-Michael Lehr

DD-M-034
PREPARATION AND *IN VITRO* EVALUATION OF CHITOSAN NANOPARTICLES CONTAINING TWO WATER SOLUBLE DRUGS, DORZOLAMIDE AND PRAMIPEXOLE
Dimitrios Bikiaris, Sofia Papadimitriou, Eleni Pavlidou, Kostas Avgoustakis, Evagelos Karavas, Elli Ioannidou, Manolis Georgarakis

DD-M-035
SUSTAINED RELEASE FORMULATIONS FOR VENLAFAXINE HYDROCHLORIDE
Dimitrios Bikiaris, Stavros Politis, Evagelos Karavas, Feras Qanaze, Manolis Georgarakis

DD-M-036
CHITOSAN-EDTA A PROMISING STABILIZER FOR TOPICALLY APPLIED LIPOSOMES
Babette Biruss, Sonja Hoeller, Claudia Valenta

DD-M-037
DEVELOPMENT OF ORGANIC-SILICON ALKOXIDE HYBRID NANOCOMPOSITES OF POTENTIAL APPLICATION AS PERSPECTIVE DRUG CARRIERS
Svetla Bogdanova

DD-M-038
AGGLOMERATED ANHYDROUS LACTOSE: PREPARATION BY FLUID BED TECHNOLOGY AND EVALUATION OF PERFORMANCE AS EXCIPIENT IN DIRECT COMPACTION OF TABLETS
Gerad K Bolhuis

DD-M-039
A NOVEL PREPARATION METHOD FOR RAPIDLY DISSOLVING BIORELEVANT MEDIA FOR DISSOLUTION TESTING FASSIF AND FESSIF INSTANT POWDERS
Julia Boni, Jennifer Dressman, Rolf-Stefan Brickl

DD-M-040
EFFECTS OF SURFACTANT TYPES IN MICROEMULSION FORMULATIONS ON TOPICAL DELIVERY OF LIDOCAINE IN FREE BASE AND HYDROCHLORIDE SALT FORMS
Prapaporn Boonme, Sarunyoo Songkro, Dale Eric Wurster, Varaporn Buraphacheep Junyaprasert

DD-M-041
FORMULATION OF TERTIARY PARTICULATE SYSTEMS TO IMPROVE THE DISSOLUTION CHARACTERISTICS OF CURCUMIN
Giovanna Borini, Gabriele Betz, Hans Leuenberger, Luis Alexandre Pedro de Freitas

DD-M-042
SELECTIVE CRYSTALLISATION OF GLYCINE POLYMORPHS USING SUPERCRITICAL CARBON DIOXIDE
Andreanne Bouchard, Natasa Jovanovic, Gerard W. Hofland, Daan J.A. Crommelin, Wim Jiskoot, Geert-Jan Witkamp

DD-M-043
HYDROPHILIC CYCLODEXTRINS STABILIZE SUPERSATURATED SOLUTIONS OF ITRACONAZOLE
Marcus Brewster, Jef Peeters, Peter Neeskens

DD-M-044
EFFECT OF PH AND BUFFER ON THE SOLUBILIZATION OF ITRACONAZOLE BY 2-HYDROXYPROPYL-B-CYCLODEXTRIN (HPBCD) AND SULFOBUTYL-B-CYCLODEXTRIN (SBEBCD)
Marcus Brewster, Jef Peeters, Peter Neeskens

DD-M-045
DEVELOPMENT OF A GLASS THERMO-PLASTIC SYSTEMS (GTS) 1: DESIGN OF EXPERIMENTS (DOE) APPROACH TO OPTIMIZE THE EXTRUDER-BASED PROCESSING OF AN ITRACONAZOLE GTS
Marcus Brewster, Geert Verreck, Roger Vandecruys, Jef Peeters

DD-M-046
DEVELOPMENT OF A GLASS THERMOPLASTIC SYSTEMS (GTS) 2: A PILOT SCALE METHOD FOR THE PREPARATION OF A CYCLODEXTRIN-BASED GTS FORMULATION OF ITRACONAZOLE
Marcus Brewster, Geert Verreck, Roger Vandecruys, Jef Peeters

DD-M-047
DENSIFICATION PROCESS OF MICROCRYSTALLINE CELLULOSE GRANULES DURING COMPRESSION
Zoltán Budavári, Zoltán Budavári, Romána Zelkí

DD-M-048
CHARACTERIZATION OF THE POROUS STRUCTURE OF PHARMACEUTICAL CYLINDRICAL TABLETS BY PGSE-NMR TECHNIQUE
Virginie Busignies, Patrice Porion, Bernard Leclerc, Pierre Evesque, Guy Couarraze, Pierre Tchoreloff

DD-M-049
PREPARATION OF SOFT AGGLOMERATES CONTAINING PANTOPRAZOLE GASTRO-RESISTANT MICROPARTICLES
Francesca Buttini, Renata Raffin, Paolo Colombo, Fabio Sonvico, Adriana Pohlmann, Silvia Guterres

DD-M-050
INCREASED TRANSDERMAL DELIVERY OF LOCAL ANAESTHETICS BY THE NOVEL PENETRATION ENHANCEMENT TECHNOLOGY DERMAPORTATION; *IN VITRO* AND *IN VIVO* ASSESSMENT
Rima Caccetta, Maud Eijkenboom, Jeffrey Edwards, Sarika Namjoshi, Heather Benson

DD-M-051
INTESTINAL LYMPHATIC TRANSPORT OF TWO HIGHLY LIPOPHILIC IMMUNOMODULATOR ANALOGUES AFTER ADMINISTRATION IN A LIPID-BASED FORMULATION
Suzanne Mary Caliph, Fried W.A. Faassen, Gerard M. Vogel, Christopher J.H. Porter

DD-M-052
DEVELOPMENT OF CAMPTOTHECIN LOADED NANOPARTICLES FROM AMPHIPHILIC BETA-CYCLODEXTRIN DERIVATIVES
Sema Çalis, Yasemin Çirpanli, Erem Bilensoy, Sema Çalis, Atilla Hincal

DD-M-053
IN VITRO EVALUATION OF POLYMER COATED PREDNISOLONE ACETATE ELUTING CARDIOVASCULAR STENTS
Sema Çalis, Can Sarisözen, Betül Arica, Sema Çalis, Atilla Hincal

DD-M-054
EFFECT OF POLYETHYLENEGLYCOL MOLECULAR WEIGHT IN STEALTH LIPOSOMES ON CELL TRAFFICKING
Maria Grazia Calvagno, Donato Cosco, Felisa Cilurzo, Christian Celia, Donatella Paolino, Massimo Fresta

DD-M-055
DESIGN OF THE TABLET FORMS OF MODIFIED RELEASE INDOMETHACIN MICROSPHERES AND THEIR *IN VITRO* EVALUATION
Kandemir CANEFE, Meral YUCE

DD-M-056
HIGH THROUGHPUT FORMULATION OF BIOPHARMACEUTICALS
Martinus Capelle, Robert Gurny, Tudor Arvinte

DD-M-057
PEG-OLIGOCAPROLACTONE BASED OLIGOMERIC MICELLES : THE EFFECT OF HYDROPHOBIC CHAIN LENGTH AND END GROUP ON SELF ASSEMBLY AND DRUG ENCAPSULATION
Myrra Carstens, Cornelus F Van Nostrum, Ruud Verrijk, Leo G J De Leede, Daan J A Crommelin, Wim E Hennink

DD-M-058
EFFECT OF RELATIVE HUMIDITY ON CHARGE DECAY OF DRUGS AND LACTOSE USED IN DRY POWDER INHALERS
Paul Carter, Abdulmajid Elajnaf, Geoff Rowley

DD-M-059
POLYMERIC OSTEOTROPIC NANOPARTICLES FOR TARGETING ANTITUMOR AGENTS TO METASTATIC BONE TISSUES
Francesco Castelli, DOROTEA MICIELI, MARIA GRAZIA SARPIETRO, ELISABETTA Cenni, CATERINA Fotia, DONATELLA GRANCHI, Nicola Baldini, Rosario Pignatello

DD-M-060
TRANSDERMAL IONTOPHORETIC DELIVERY OF DOXYLAMINE SUCCINATE
Jennyfer Cazares-Delgadillo, Adriana Ganem-Rondero, David Quintanar-Guerrero, Yogeshvar N. Kalia

DD-M-061
COMPARISON OF THE COATING PROPERTIES OF INSTANT RELEASE FILM COAT-ING MATERIALS USING A NEWLY DEVELOPED TEST METHOD THE PROCESS-PARAMETER-CHART
Thorsten Cech, Karl Kolter

DD-M-062
FUTURE POTENTIAL TO INHIBIT MATASTASIS PROCESS USING CYSTATIN LOADED IMMUNO-NANOPARTICLES
Mateja Cegnar

DD-M-063
THE APPLICATION OF YDROXYPROPYLMETHYLCELLULOSE PHTALATE CAPSULES: AN ALTERNATIVE ADMINISTRATION ROUTE OF DIPEPTIDYL PEPTIDASE ENZYME
Emel Oyku Cetin, Ozlem USTUN, Gaye ONGEN, Levent KIRILMAZ

DD-M-064
EVALUATION OF INTRAJEJUNAL DELIVERY OF BIOTINYLATED SALMON CALCITONINS (SCTS)
Meltem Cetin, Yu Seok Youn, Yilmaz Capan, Kang Choon Lee

DD-M-065
THE PREPARATION AND EVALUATION OF ALBENDAZOLE MICROSPHERES
Emel Oyku Cetin, Evren GUNDOGDU, Levent KIRILMAZ

DD-M-066
THE PRE-FORMULATION OF ALBENDAZOLE WITH BETA-CYCLODEXTRINS
Emel Oyku Cetin, Evren GUNDOGDU, Levent KIRILMAZ

DD-M-067
FORMULATION AND *IN VITRO* EVALUATION OF ALBENDAZOLE - CYCLODEXTRIN TABLETS
Emel Oyku Cetin, Evren GUNDOGDU, Derya ILEM, Makbule ASIKOGLU, Levent KIRILMAZ

DD-M-068
EFFECT OF SOLVENT ON PREPARATION OF CEPHALEXIN-LOADED PLGA MICROSPHERES
Wasana Chaisri, Siriporn Okonogi

DD-M-069
MALTOSE MICRONEEDLES FOR TRANSDERMAL DELIVERY
Kolli Chandra sekhar, Ajay K Banga

DD-M-070
ROLE OF TEMPERING PROCESS ON ACCELERATING A STABLE FORM OF HYDROGENATED SOYBEAN OIL USED AS HOT MELT COATING AGENT
Krisanin Chansanroj, Gabriele Betz, Hans Leuenberger, Ampol Mitrevej, Nuttanan Sinchaipanid

DD-M-071
INCORPORATION OF ALL-TRANS RETINOIC ACID REDUCES THE HEPATIC TOXICITY OF LIPOPLEX BY SUPPRESSING NFKB ACTIVATION
Pensri Charoensit, Shigeru Kawakami, Yuriko Higuchi, Fumiyoshi Yamashita, Mitsuru Hashida

DD-M-072
STABILIZATION OF THE TRANSFECTION POTENTIALS OF DNA/POLMER COMPLEXES AFTER SPRAY DRYING
Jong-yuh Cherng

DD-M-073
GAMMA SCINTIGRAPHY EVALUATION OF FLOATING DOME MATRIX GASTRIC RESIDENCE TIME IN HUMANS
Pedro Coelho, Ruggero Bettini, Paolo Colombo, Fabio Sonvico, Luca Strusi, Ana Oliveira, Jose Manuel Sousa Lobo, Delfim Santos, Domingos Ferreira

DD-M-074
TAILORING RANITIDINE RELEASE FROM HYDROPHILIC POLYMERIC MATRICES
Pedro Coelho, Jose Manuel Sousa Lobo, Delfim Santos, Domingos Ferreira, Ivo Murias, Rita Oliveira

DD-M-075
PREPARATION OF LIPOSOMAL DRY POWDERS FOR NON-VIRAL GENE DELIVERY BY SPRAY DRYING: A PRELIMINARY STUDY
Claudia Colonna, Bice Conti, Ida Genta, H. Oya Alpar

DD-M-076
COMPARISON OF *IN VITRO* DISSOLUTION PROFILES OF LOSARTAN POTASSIUM TABLETS
Tansel Comoglu, Meral Gundogan, Nursin Gonul

DD-M-077
IN SITU PHOTOPOLYMERIZATION-COATED PELLETS FOR SUSTAINED OR PH-SPECIFIC DRUG DELIVERY
Angel Concheiro, Mayo-Pedrosa Marcos, Alvarez-Lorenzo Carmen, Lacík Igor, Martinez-Pacheco Ramon

DD-M-078
NANOSTRUCTURED DELIVERY SYSTEMS FOR HYDROPHILIC AND LYPOPHILIC ANTIOXIDANTS
Bice Conti, Paola Perugini, Manuela Vettor, Ida Genta, Tiziana Modena, Franca Pavanetto

DD-M-079
ANTITUMORAL EFFECT OF 5-FLUOROU-RACIL LOADED NEW BOLA-FORM NIOSOMES
Donato Cosco, Michele Navarra, Maria Grazia Calvagno, Donatella Paolino, Rita Muzzalupo, Nevio Picci, Massimo Fresta

DD-M-080
IN-VITRO AND *IN-VIVO* EVALUATION OF LOW-DOSED POROUS CALCIUM PHOSPHATE TABLETS.
An Cosijns, Chris Vervaet, Jan Luyten, Steven Mullens, Juergen Siepmann, Jean Paul Remon

DD-M-081
SPRAY-DRIED POWDERS OF AMIOCA AND CARBOPOL AS CARRIERS FOR NASAL VACCIN DELIVERY
Delphine Coucke, Michael Schotsaert, Eveline Pringels, Xavier Saelens, Chris Vervaet, Foreman Paul, Jean Paul Remon

DD-M-082
SPRAY-DRIED MIXTURES OF AMIOCA STARCH AND CARBOPOL 974P AS CARRIER FOR NASAL DELIVERY OF OXYMETHAZOLINE HYDROCHLORIDE IN HUMAN VOLUNTEERS
Delphine Coucke, Eveline Pringels, Joke Huyghe, Katia Verbruggen, Chris Vervaet, Foreman Paul, Claus Bachert, Jean Paul Remon

DD-M-083
GAMMA-IRRADIATION EFFECTS ON NANOPARTICLES CONTAINING AN ANTIGENIC COMPLEX FROM THE BRUCELLA OVIS MEMBRANE
Raquel Maria Da Costa Martins, Carlos Gamazo, Juan Manuel Irache

DD-M-084
THE DEVELOPMENT OF PHARMACEUTICAL FORMULATIONS WITH NATURAL POLYPHENOLIC COMPOUNDS FOR THE TREATMENT OF RETINAL PATHOLOGIES
Inga Dadeshidze, Aliosha Bakuridze, David Shengelia, Nino Karanadze, Gulnara Mikaia, Nino Kurdiani

DD-M-085
BIOCOMPATIBLE MICROEMULSION AS A NEW AMPHOTERICIN B DELIVERY SYSTEM
Bolívar P. G. L. Damasceno, Victor Dominici Dominici, Maria Clara Araújo Silva, Ivonete Batista Araújo, Anselmo Gomes Oliveira, Nereide Stela Santos-Magalhães, Aldo da Cunha Medeiros, Eryvaldo Sócrates Tabosa Egito

DD-M-086
COMPARISON OF DMSO AND ITS ANALOGS (DMF, DMAC, THF) IN H2O & IN 1,4-DIOXANE BINARY MIXTURES USING DIELECTRIC SPECTROSCOPY.
Dana Daneshvari, Hans Prof.Dr.Leuenberger

DD-M-087
PLGA-POLOXAMER BLEND BASED MICRO AND NANOPARTICLES AS DELIVERY VEHICLES FOR POTENTIAL PROANGIOGENIC FACTORS
Ivana D'Angelo, Horvàth Anikò, Gyorgy Keri, Maria Josè Alonso

DD-M-088
INVESTIGATING THE HYDRODYNAMICS INVOLVED IN EARLY *IN VIVO IN VITRO* CORRELATIONS COMPUTATIONAL FLUID DYNAMICS (CFD) SIMULATIONS OF HYDRODYNAMICS IN THE LEVY BEAKER APPARATUS.
Deirdre D'Arcy, Anne Marie Healy, Owen I. Corrigan

DD-M-089
MECHANICAL PROPERTIES OF A VAGINAL GEL CONTAINING THYMUS VULGARIS ESSENTIAL OIL (1% W/W)
José Das Neves, Maria Helena Amaral, Maria Fernanda Bahia

DD-M-090
NEW VIEWS OF THE PARTICULATE INTERACTIONS IN ADHESIVE MIXTURES FOR INHALATION IN RELATION TO THE DISPERSION FORCES DURING INHALATION
Anne Haaije De Boer, Paul Hagedoorn, Doetie Gjaltema, Henderik Willem Frijlink

DD-M-091
USING CRYSTAL S MORPHOLOGY TO PREDICT THE HARDNESS OF ACTIVE PHARMACEUTICAL INGREDIENTS
Onno Martinus De Vegt, Rob Geertman, Sara Roscioni, Fried Faassen, Herman Vromans, Kees Van der Voort Maarschalk

DD-M-092
POLYMER MOLECULAR WEIGHT OF BIODEGRADABLE POLY(2-DIMETHYLAMINO ETHYLAMINO)PHOSPHAZENE AFFECTS TOXICITY AND *IN VITRO*/ *IN VIVO* TUMOR TRANSFECTION
Holger De Wolf, Markus De Raad, Cor Snel, Mies Van Steenbergen, Marcel Fens, Gert Storm, Wim Hennink

DD-M-093
IONTOPHORESIS OF ANTIPARKINSONIAN DRIGS: A FEASIBILITY STUDY.
Begona Delgado-Charro, Giller Tomasz

DD-M-094
ROLE OF RESIDUAL POLY(VINYL ALCOHOL) ON THE RELEASE RATE AND *IN VIVO* ACTIVITY OF PHOTOSENSITIZER-LOADED POLYMERIC NANOPARTICLES
Florence Delie, Angélica Vargas, Robert Gurny

DD-M-095
SURFACE MODIFICATION OF POLYMERIC MICROCAPSULES OF PERFLUOROOCTYL BROMIDE USING PHOSPHOLIPIDS
Raquel Diaz-Lopez, Nicolas Tsapis, Valérie Nicolas, Elias Fattal

DD-M-096
IMPLICATIONS OF THE INTERACTION BETWEEN HPMC AND AN API ON THE HYGROSCOPICITY OF A SOLID DISPERSION.
Jules Dickens, Stokbroekx Sigrid, Vanhoutte Koen, Brewster Marcus

DD-M-097
FORMULATION STUDY OF DIPHTHERIA TOXOID WITH ELASTIC VESICLES FOR DERMAL VACCINATION
Zhi Ding, Hoang Hirschberg, Gideon Kersten, Maytal Bivas-Benita, Joke Boustra

DD-M-098
STUDIES ON THE AGGREGATION BEHAVIOUR AND THE CONCENTRATION DEPENDENCY OF POLOXAMER F68 IN SOLUTION
Zhiyi Ding

DD-M-099
INHIBITORY EFFECT OF MANNOSYLATED CATIONIC LIPOSOME/NF?B DECOY COMPLEXES ON CYTOKINE PRODUCTION BY PRIMARY PERITONEAL MACROPHAGES
Thuy Duong Dinh, Yuriko Higuchi, Shigeru Kawakami, Fumiyoshi Yamashita, Mitsuru Hashida

DD-M-100
ERYTHROMYCIN MICROPARTICLES FOR CONTROLLED TOPICAL DELIVERY
John Disouza, Harinath More

DD-M-101
DRY ADSORBED SELF NANOEMULSIFYING SYSTEMS OF EZETIMIBE: DESIGN, OPTIMIZATION AND EVALUATION
Rahul Dixit, Mangal Nagarsenker

DD-M-102
NANOEMULSION FOR THE TRANSDERMAL DELIVERY OF A POORLY WATER-SOLUBLE DRUG
Nitin Dixit

DD-M-103
AN INVESTIGATION INTO MECHANISM OF PARACETAMOL RELEASE FROM PEMULEN TR2 MATRIX TABLETS
Jelena Djanis, Svetlana Ibric, Jelena Parojcic, Zorica Djuric, Milica Jovanovic

DD-M-104
ADJUVANTICITY EFFECT OF ALGINATE ON ORAL AND INTRADERMAL VACCINATION OF BALB/C MICE WITH MYCOBACTERIUM BOVIS BCG.
Faramarz Dobakhti, Taraneh Naghibi, Morteza Rafiee-Tehrani

DD-M-105
CHARACTERIZATION OF NANOPARTICLES FROM MULTIBLOCK COPOLYMERS: CYTOCOMPATIBILITY AND *IN VITRO* DEGRADATION STUDY
Rossella Dorati, Bice Conti

DD-M-106
DESIGN AND EVALUATION OF ORAL PATCHES FOR APHTHOUS ULCER
Abha Doshi, Bhagyashri Joshi, Sheeja Koliyote

DD-M-107
INFLUENCE OF PELLET CORE PROPERTIES ON DRUG RELEASE FROM ENTERIC COATED STARCH-BASED PELLETS PREPARED BY EXTRUSION/ SPHERONISATION
Aleksandra Dukic-Ott, Chris Vervaet, Paul Foreman, Jean Paul Remon

DD-M-108
VISUALIZATION OF IONTOPHORETIC PENETRATION OF MODEL IONS INTO THE NAIL PLATE
Julie Dutet, Begona Delgado-Charro

DD-M-109
EVALUATION OF A NEW EMULSION FORMULATION FOR GENE DELIVERY
E. Socrates Egito, Lourena Mafra Verissimo, Lucymara Fassarela Agnez-Lima, Marcelo Vitor de Paiva Amorim

DD-M-110
TURBIDIMETRY AS A TOOL TO EVALUATE THE STABILITY OF IBUPROFEN-LOADED EMULSIONS
E. Socrates Egito, Fabio Rocha Formiga, Luis Alberto Lira Soares, Ilana Andrea de Aquino Fonseca, Francisco Paulo Freire-Neto

DD-M-111
PREPARATION OF XYLAN/EUDRAGIT S-100 MICROCAPSULES BY SPRAY-DRYING TECHNIQUE
E. Socrates Egito, Larissa Muratori Aguiar, Acarilia Eduardo Silva, Penelope B Lima, Elquio Eleamem Oliveira, Toshiyuki Nagashima-Jr

DD-M-112
INVESTIGATION OF TPMT EXPRESSION IN DIFFERENT TYPES OF CELLS USING THE COMPLEX GENE TRANSFER VEHICLE AVP
Roman Egle, Miha Milek, Alfred Fahr, Irena Mlinaric-Rascan, Julijana Kristl

DD-M-113
EVALUATION OF OKRA GUM AS A DRY BINDER IN PARACETAMOL TABLET FORMULATIONS
Martins Emeje, Christiana Isimi, Dorothy Oqua, Olobayo Kunle

DD-M-114
EFFECT OF POLYETHYLENE GLYCOL AND SODIUM LAURYL SULPHATE ON THE COMPACTION CHARACTERISTICS OF EUDRAGIT AND DRUG RELEASE FROM ITS MATRIX.
Martins Emeje, Christiana Isimi, Olobayo Kunle, Sabinus Ofoefule

DD-M-115
CHITOSAN MICROSPHERES CONTAINING CARBAMAZEPINE FOR IMPLANTATION TO THE BRAIN: PART 2- *IN VIVO* MODEL FOR THE TREATMENT OF TRAUMA INDUCED BRAIN EDEMA
Hakan Eroglu, Omer Faruk Turkoglu, Ramazan Celikmez, Oktay Gurcan, Ebru Bodur, Mustafa F. Sargon, Etem Beskonakli, Levent Öner

DD-M-116
USING VITAMIN E TPGS AS AN EMULSIFIER IN THE SOLVENT EMULSIFICATION-DIFFUSION METHOD FOR PREPARATION OF PLGA NANOPARTICLES
Farnaz Esmaeili, Dinarvand Rassoul, Atyabi Fatemeh

DD-M-117
PREPARATION AND ANTIBACTERIAL ACTIVITY EVALUATION OF RIFAMPICIN-LOADED POLY LACTIDE-CO-GLYCOLIDE NANOPARTICLES
Farnaz Esmaeili

DD-M-118
SOLUBILITY OF COMPOUNDS IN BILE: INFLUENCE OF SPECIES.
Fried Faassen, Cyrille Chéry, Dien Nguyen, Marie-Laure Régnier

DD-M-119
PERMEATION BEHAVIOR OF FONDAP-ARINUX THROUGH MUCOSAL TISSUE
Fried Faassen, Herman Vromans, Marta Andreykiv, Henny Bruinewoud, Patrick Augustijns, Raf Mols

DD-M-120
PRODUCTION, CHARACTERIZATION AND LOADING OF GELATIN NANOPARTICLES FOR SITE-SPECIFIC DRUG DELIVERY
Fried Faassen, Henny Bruinewoud, Herman Vromans, Marian Veen van der, Ruud Bank, Roeland Hanemaaijer

DD-M-121
CISPLATIN LOADED IN PHOSPHATIDYLETHANOLAMINE LIPOSOMES ENHANCES THE ANTITUMOR EFFICACY AGAINST MELANOMAS
Jia-You Fang, Tsong-Long Hwang, Shu-Chiou Hua, Woan-Ruoh Lee

DD-M-122
STUDIES ON THE EFFECT OF PH AND SOLUBILITY ON THE PERMEATION OF HALOPERIDOL ACROSS HUMAN EPIDERMIS
Anahita Fathi-Azarbayjani, Hai-Shu Lin, Sui Yung Chan, Chi Lui,Paul Ho

DD-M-123
MONITORING BLEND HOMOGENEITY WITH A LIGHT-INDUCED FLUORESCENCE PROBE IN A BIN-COMIL-BIN MIXING PROCESS AT PILOT SCALE
Frank Feenstra

DD-M-124
SUMATRIPTAN SUCCINATE TRANSDERMAL DELIVERY SYSTEM: EFFECT OF AZONE , OCCLUSIVE CONDITIONS AND IONTOPHORESIS.
Andres Femenía-Font, Cristina Balaguer-Fernández, Andres Femenía-Font, Sergio Del Rio-Sancho, Virginia Merino, Alicia López-Castellano

DD-M-125
TARGETING LARGE PARTICLES AND CELLS TO ANGIOGENIC ENDOTHELIUM *IN VITRO* AND *IN VIVO*
Marcel Fens, Enrico Mastrobattista, Anko De Graaff, Frits Flesch, Anton Ultee, Jan Rasmussen, Grietje Molema, Gert Storm, Raymond Schiffelers

DD-M-126
THE EFFECT OF A SIMPLE SOLVENT ON THE DRUG RELEASE FROM A EUTECTIC COMPOSITION
Sarah Fiala, Marc B Brown, Monica L Reid, Stuart A Jones

DD-M-127
INCLUSION COMPLEXES OF METHYL-BETA-CYCLODEXTRIN AND THE BENZIMIDAZOLE DERIVATIVE OMEPRAZOLE IN THE PRESENCE OF ARGININE AQUEOUS SOLUTION: PREPARATION AND CHARACTERISATION.
Ana Rita Figueiras, Francisco Veiga, Francisco Veiga

DD-M-128
DYNAMIC LIGHT SCATTERING OF NANOSPHERES: IMPLICATIONS OF THE TENSIDE CONCENTRATION ON PARTICLE SIZE
Christian Fillafer, Michael Wirth, Franz Gabor

DD-M-129
PHOTO EMULSION POLYMERIZATION OF POLYCATIONIC NANOGELS FOR INTRACELLULAR DRUG DELIVERY
Omar Fisher, Ming Lin, Dhruv Desai, Nicholas A. Peppas

DD-M-130
THE APPLICATION OF CHEMOMETRICS TO DETECT THE CRYSTALLISATION OF GRISEOFULVIN FROM PVP SOLID DISPERSIONS
John Fletcher, Graham Buckton, Nicola Wilson, Brocchini Steve

DD-M-131
IN VITRO CHARACTERIZATION AND IMMUNE RESPONSE OF NANOENCAPSULATED STREPTOCOCCUS EQUI ANTIGENS.
HELENA ISABEL FIALHO Florindo, Sreenivas Pandit, Lara Lacerda, Lidia M D Goncalves, Oya H. Alpar, Antonio Almeida

DD-M-132
PEPTIDOMIMETICS WITH ?-PEPTOID RESIDUES AS POTENTIAL NOVEL CARRIERS FOR INTRACELLULAR DELIVERY OF SMALL INTERFERING RNA (SIRNA)
Camilla Foged, Christian Adam Olsen, Sven Frokjaer, Hanne Moerck Nielsen

DD-M-133
A NEW METHOD FOR CANDIDATE SELECTION IN 5-AMINOLEVULINIC DERIVATIVE-MEDIATED PHOTODYNAMIC THERAPY
Nicolas Fotinos, Marino Andres Campo, Florence Popowycz, Robert Gurny, Norbert Lange

DD-M-134
COLONIC DRUG DELIVERY- AN INVESTIGATION INTO THE USE OF STARCH AS A COATING MATERIAL
Cristina Freire

DD-M-135
CYTOSOLIC DELIVERY OF PROTEINS IN TARGETED LIPOSOMES MEDIATED BY PHOTOCHEMICAL INTERNALIZATION
Marjan Maria Fretz, Anders Hogset, Gerben Arjan Koning, Wim Jiskoot, Gert Storm

DD-M-136
EFFECT OF TEMPERATURE, CONCENTRATION AND CELLULAR CHOLESTEROL ON THE INTRACELLULAR DISTRIBUTION OF THE CELL-PENETRATING PEPTIDE OCTAARGININE
Marjan Maria Fretz, Neal A Penning, Saly Al-Taei, Gert Storm, Shiroh Futaki, Arwyn Tomos Jones

DD-M-137
DETERMINATION OF LOW TO HIGH GELATIN NANOPARTICLE CONCENTRATIONS FOR THE USE IN DRUG DELIVERY SYSTEMS
Sebastian Fuchs, Conrad Coester, Richard Parlitz

DD-M-138
EFFECT OF 2-METHA-CRYLOY-LOXY-ETHYL-PHOSPHORYL-CHOLIN BUTYLMETHACRYLATE COPOLYMER ON THE SKIN PENETRATION OF 2-ETHYLHEXYL METHOXYCINNAMATE
Makiko Fujii, Miyako Wakui, Masataka Hanada, Hisako Otani, Akiko Ishikawa, Masuo Kondoh, Yoshiteru Watanabe

DD-M-139
PHARMACOKINETIC ANALYSIS AND PREDICTION OF ABSORPTION BEHAVIOR OF GRISEOFULVIN, A BCS CLASS II DRUG, AFTER ORAL ADMINISTRATION BASED ON GITA MODEL
Yoshitsugu Fujioka, Yasuko Fujie, Yukiko Metsugi, Takanori Hironaka, Motoki Ochi, Ken-ichi Ogawara, Kazutaka Higaki, Toshikiro Kimura

DD-M-140
REGULATION OF INTRACELLULAR TRAFFICKING OF LIPOSOME FOR THE DELIVERY TO GOLGI APPARATUS
Takahiro Fujiwara, Akita Hidetaka, Harashima Hideyoshi

DD-M-141
COMPARISON OF PERMEABILITY AND SWELLING CHARACTERISTICS OF FREE FILMS CONTAINING PECTIN OR INULIN IN COMBINATION WITH TIME DEPENDENT POLYMETHACRYLATE AIMED FOR COLONIC DRUG DELIVERY
Hadi Afrasiabi Garekani, Abbas Akhgari, Fatemeh Sadeghi

DD-M-142
INFLUENCE OF SURFACTANTS ON THE EFFICACY OF THE CHEMOTHERAPY OF BRAIN TUMOURS USING DOXORUBICIN-LOADED POLY(BUTYL CYANOACRYLATE) NANOPARTICLES AND THE IMPLICATION FOR THE MECHANISM OF ACTION
Svetlana Gelperina, Boris Petri, Alexander Khalanski, Alexander Bootz, Rainer Müller, Telli Hekmatara, Jörg Kreuter

DD-M-143
THE EFFECTS OF HPMC AND MAGNESIUM CHLORIDE ON TECHNOLOGICAL PROPERTIES OF CLOBETASOL PROPRIONATE TABLETS MADE OF A SODIUM POLYMETHYLMETHACRYLATE
Chiara Grazia Milena Gennari, Francesco Cilurzo, Francesca Selmin, Paola Minghetti, Luisa Montanari

DD-M-144
IN VITRO AND EX VIVO STUDY OF PEGYLATED PROLIDASE LOADED CHITOSAN NANOPARTICLES
Ida Genta, Bice Conti, Paola Perugini, Franca Pavanetto, Tiziana Modena, Paolo Iadarola, Claudia Colonna

DD-M-145
FORMULATION OF THEOPHYLLINE PELLETS BY EXTRUSION-SPHERONIZATION TECHNIQUE AND OPTIMIZATION OF SOME PELLET CHARACTERISTICS BY USING RESPONSE SURFACE METHODOLOGY (RSM)
Alireza Ghaffari, Morteza Rafiee-Tehrani, Mona Noori Coopaii

DD-M-146
A STUDY OF THE EFFECTS OF VARIOUS FOOD COMPONENTS ON THE *IN VITRO* DISSOLUTION OF THE ANTIFUNGAL DRUG ITRACONAZOLE
Heba Ghazal

DD-M-147
FORMULATION AND DELIVERY OF FLUORESCENT SIRNA BY LIPOSPERMINE NANOPARTICLE COMPLEX FORMATION
Hassan M. Ghonaim, Shi Li, Charareh Pourzand, Ian S. Blagbrough

DD-M-148
PREPARATION AND *IN VITRO* STUDY ON POLYMERIC NANOPARTICLES AS DRUG DELIVERY SYSTEM FOR SALMON CALCITONIN
Eliza Glowka, Nathalie Ubrich, Anne Sapin, Pierre Leroy, Janina Lulek, Philippe Maincent

DD-M-149
INFLUENCE OF PREPARATIVE PARAMETERS ON CYCLOSPORINE A LOADED SOLID LIPID NANOPARTICLES
Evren H. Gokce, Giuseppina Sandri, Maria Cristina Bonferoni, Silvia Rossi, Franca Ferrari, Tamer Guneri, Carla Caramella

DD-M-150
IN-VITRO CHARACTERIZATION OF CYCLOSPORINE A LOADED SOLID LIPID NANOPARTICLES PREPARED WITH TWO DIFFERENT LIPIDS
Evren H. Gokce, Giuseppina Sandri, Maria Cristina Bonferoni, Silvia Rossi, Franca Ferrari, Tamer Guneri, Carla Caramella

DD-M-151
FORMULATION AND PHOTOPROTECTIVE ASSESSMENT OF A MICROSPHERE SUNSCREEN DELIVERY SYSTEM
Yasmine Gomaa, Elsayed Aboulmagd, Nabila A. Boraei, Inas A. Darwish, Labiba K. El-Khordagui

DD-M-152
OPTIMIZATION OF THE ENCAPSULATION OF DEXAMETHASONE INTO LIPIDIC MICROPARTICLES OBTAINED BY SPRAY DRYING.
Carolina Gomez-Gaete, Nicolas Tsapis, Lidia Silva, Claudie Bourgaux, Amélie Bochot, Elias Fattal

DD-M-153
PROCESS DESIGN APPLIED TO OPTIMISE A DIRECTLY COMPRESSIBLE POWDER PRODUCED VIA CO-SPRAY DRYING
Yves Gonnissen, Chris Vervaet, Jean Paul Remon

DD-M-154
EVALUATION OF CELLULOSE ETHERS IN THE DEVELOPMENT OF DIRECTLY COMPRESSIBLE, HIGHLY DOSED POWDERS BY CO-SPRAY DRYING
Yves Gonnissen, Chris Vervaet, Jean Paul Remon

DD-M-155
RECENT ADVANCES IN THE PREDICTION OF ENANTIOMER SEPARATION THROUGH CRYSTAL STRUCTURE PREDICTION
Matthew Gourlay, John Kendrick, Frank J.J. Leusen

DD-M-156
MATHEMATICAL MODELING OF PH-SURFACTANT MEDIATED SOLUBILIZATION OF NIMESULIDE: DEVELOPMENT OF BIORELEVANT DISSOLUTION METHODOLOGY
Sandra Grbic, Jelena Parojcic, Zorica Djuric, Svetlana Ibric

DD-M-157
PREDICTION OF DYNAMIC SCRATCH RESISTANCE OF HYDROXYPROPYL METHYLCELLULOSE (HPMC) FILM COATINGS
Jonne Haapalainen, Jyrki Heinämäki, Ivan Kassamakov, Edward Hæggström, Jouko Yliruusi

Medicinal Chemistry and Natural Products

MC-M-001
SYNTHESIS AND ANTIMICROBIAL EVALUATION OF NEW 2-SUBSTITUTED THIAZOLIN-4-ONES CONTAINING SULFANILAMIDES AS PHARMACOPHORIC UNITS
Mohamad Abdul-Aziz, E Tarasevicius, L Slepikas

MC-M-002
IMMUNO-STIMULATORY ACTIVITIES OF THE LEAF AND SEED AQUEOUS EXTRACT OF PHYLLANTHUS AMARUS IN MICE
Adejuwon Adewale Adeneye, Musbau Olakunle Arogundade

MC-M-003
ANTIDISRRHOEAIC EFFECTS OF LEAVE EXTRACTS OF IPOMOEA INVOLUCRATE
Luke Ome Agada, Asije Omowumi, Henry Okeri

MC-M-004
HYPOGLYCAEMIC ACTIVITY OF THE LEAVE EXTRACTS OF SPONDIAS MOMBIN ON STREPTOZOTOCIN INDUCED DIABETIC RATS
Luke Ome Agada, Zheng Rui Feng

MC-M-005
CORRELATION AMONG ANTIOXIDANT EFFECTS AND TOTAL PHENOLIC CONTENT OF PLANT EXTRACTS
Isabel Almeida, Eduarda Fernandes, Paulo C. Costa, José L.F.C. Lima, M. Fernanda Bahia

MC-M-006
NEW BIOACTIVE METABOLITES FROM LIQUID AND RICE CULTURES OF AMPELOMYCES SP. ISOLATED FROM UROSPERMUM PICROIDES GROWING IN EGYPT
Amal H. Aly, Ru Angelie Edrada, Rainer Ebel, Peter Proksch, Victor Wray, Werner E. G. Müller, Ute Hentschel

MC-M-007
ENANTIOSELECTIVE AMINATIONS CATALYZED BY DIRHODIUM(II) CARBOXYLATES
Masahiro Anada, Tanaka Masahiko, Yamawaki Minoru, Hashimoto Shunichi

MC-M-008
NATURAL PRODUCTS AND ANTIBACTERIAL ACTIVITY OF EGYPTIAN FICUS SYCOMORUS PLANT LATEX
Raafat Arafa

MC-M-009
NATURAL PRODUCTS AND ANTIBACTERIAL ACTIVITY OF EGYPTIAN FICUS SYCOMORUS PLANT LATEX
Raafat Arafa

MC-M-010
QUALITY OF PINE NEEDLES THICK EXTRACT AS HERBAL PRODUCT
Ilze Barene, Irene Daberte

MC-M-011
ENHANCEMENT OF DRUG ORAL ABSORPTION - EFFECT OF LIPIDIC CONJUGATION ON THE STABILITY AND PERMEABILITY OF IMMUNOMODULATOR IM862 AMIDE DERIVATIVE IN CACO-2 MODELS
Julie Anne BERGEON, Istvan TOTH

MC-M-012
ANTISPASMODIC ACTIVITY OF SOME MARINE ALGAE EXTRACTS AND PURE COMPOUND ON THE RAT ISOLATED DUODENUM
Abderrahman Bouraoui

MC-M-013
ANTISPASMODIC ACTIVITY OF SOME MARINE ALGAE EXTRACTS AND PURE COMPOUND ON THE RAT ISOLATED DUODENUM
Abderrahman Bouraoui, Lamia MHADHEBI, Lamia MHADHEBI, Nesrine BEN NASR, Manel TURKI, Rafik BEN SAID, Mohamed Ali MAHJOUB, Zine MIGRI, Abderrahman BOURAOUI

MC-M-014
DETERMINATION OF OLIGOELEMENTS AND ANTIOXIDANT ACTIVITY OF SOME MARINE ALGAE FROM THE TUNISIAN COASTS
Abderrahman Bouraoui, ZOUHAIER BEN AOUN, Rafik BEN SAID, Farhat Farhat, Abderrahman BOURAOUI

MC-M-015
ANTIBACTERIAL ACTIVITY OF BROWN ALGAE EXTRACTS AGAINST METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS, IN THE ABSENCE AND IN THE PRESENCE OF EFFLUX PUMPS INHIBITORS
Abderrahman Bouraoui, Amira BENGAIED, Lamia MHADHEBI, Manel TURKI, Rafik BEN SAID, YAKDHANE KACEM, Maha MASTOURI, Abderrahman BOURAOUI

MC-M-016
CYTOPROTECTIVE EFFECT OF PLANTS COMMONLY USED IN VETERINARY MEDICINE AGAINST HYDROGEN PEROXIDE-INDUCED OXIDATIVE STRESS IN P19 CELLS
Boonrat Chantong, Thiwa Chumpeera, Duangdeun Meksuriyen, Supim Wongtongtair

MC-M-017
PHYTOCHEMICAL AND PHARMACOLOGICAL STUDY OF ALKALOIDS FROM THE ROOTS OF VINCA HERBACEAE W. ET KIT GROWING AND CULTIVATED IN GEORGIA
Inga Dadeshidze, Evelina Jakeli, Iza Sikharulidze, Valentina Vachnadze, Aliosha Bakuridze

MC-M-018
CHEMICAL INVESTIGATION OF ENDOPHYTIC FUNGI ISOLATED FROM MOROCCAN PLANTS
Abdessamad Debbab, Ru Angelie Edrada, Rainer Ebel, Peter Proksch, Victor Wray, Abdelhak Hakiki, Mahjouba Mosaddak

MC-M-019
IN VITRO AND *IN VIVO* ANTICANCER ACTIVITY OF VITEX TRIFOLIA (VERBENACEAE) LEAF EXTRACT TOWARDS MALIGNANT CELL LINES AND ON MOUSE EHRILCH ASCITES CARCINOMA
Akalanka Dey, Diwakar Bobbala

MC-M-020
SYNTHESIS AND PHARMACOLOGICAL EVALUATION OF GASTROSPARING MUTUAL PRODRUG OF ACECLOFENAC WITH GLUCOSAMINE
Suneela Dhaneshwar, Sanal Dev, Badal Rathi, Gaurav Vadnerkar, S. L. Bodhankar, S. S. Kadam

MC-M-021
THE OXIDATIVE ARYL-ARYL COUPLING REACTION OF 1-NAPHTHOLS AND PHENOLS WITH SNCL4
Hirohisa Doi, Iwao Okamoto, Tetsuya Takeya, Masayuki Kimura

MC-M-022
DRUG, DOSAGE, ACTIVITY OF ANTI DEPRESSANTS:A NOVEL PHYSICAL APPROACH.
Raghuram Donkena, V.R.MURTHY VEDAM, NARAYANA MURTHY PIRATLA

MC-M-023
RAPID SCREENING FOR ACETYL CHOLINESTERASE INHIBITORS USING A 96 MICROTITER WELL PLATE ASSAY: THE CASE OF COUMARIN 106
Adyary Fallarero, Pia Blom, Päivi Oinonen, Pia Vuorela

MC-M-024
SCREENING FOR INHIBITORY NATURAL COMPOUNDS OF STAPHYLOCOCCUS AUREUS BIOFILMS USING A 96-MICROTITER WELL PLATES ASSAY
Adyary Fallarero, Terhi Kuru, Anni Määttänen, Jouko Peltonen, Pia Vuorela

MC-M-025
NOVEL FLAVAN-3-OL DERIVATIVES THAT POSITIVE MODULATE GABAA RECEPTORS
Sebastian Pablo Fernandez, Ken Mewett, Mary Chebib, Jane Hanrahan, Graham Johnston

MC-M-026
PIPETTING AUTOMATION COMBINED TO LC/MS METHOD FOR DISCOVERING PROTEIN KINASE C ACTIVE COMPOUNDS
Anna Galkin, Jouni Jokela, Matti Wahlsten, Kaarina Sivonen, Pia Vuorela

MC-M-027
LANOSTANE-TYPE TRITERPENOIDS FROM PORIA COCOS INFLUENCE NRF2 AND OXIDATIVE STRESS IN PROSTATE CANCER CELL LINES
Leslie Gapter

MC-M-028
THE EFFECTS OF POSIDONIA OCEANICA EXTRACT ON ACETYLCHOLINE- INDUCED RELAXANT RESPONSES IN AORTA OF ALLOXAN-DIABETIC RATS
Goksel Gokce, Zeki Haznedaroglu

MC-M-029
ENZYMATIC CYCLIZATION OF ANGIOTENSIN(1-7): RESISTANCE AGAINST PROTEOLYSIS WHILE MAINTAINING FULL FUNCTIONALITY
Marijke Haas, Leon D Kluskens, Anita Meter-Arkema, Judith M Ris, Louwe De Vries, S Ad Nelemans, Anton JM Roks, Anneke Kuipers, Rick Rink, Gert N Moll

MC-M-030
SYNTHESIS AND EFFECTS OF NOVEL DIHYDROPYRIDINES ON COLON AND ATRIUM SMOOTH MUSCLE OF RAT
Farzin Hadizadeh, Zahra Fatehi-Hassanabad, Mohammad Fatehi-Hassanabad, Mojgan Zandieh, Fatemeh Mohammadpour

MC-M-031
IN VITRO EVALUATION OF CHALCONE ANALOGUES ON HUMAN BREAST CANCER RESISTANCE PROTEIN (BCRP/ABCG2) MEDIATED TRANSPORT
Yi Han, Xiaoling Liu, Meliana Riwanto, Mei Lin Go, Pui Lai, Rachel Ee

MC-M-032
CYP2D6 INHIBITION BY HERBAL PRODUCTS
Bent H. Hellum, Odd Georg Nilsen

MC-M-033
NEW BIOACTIVE BROMOPYRROLE ALKALOIDS FROM THE INDONESIAN SPONGE AGELAS SP.
Triana Hertiani, RuAngelie Edrada-Ebel, Nicole De Voogd, Victor Wray, Werner E.G. Müller, Peter Proksch

MC-M-034
SCHEDULE-DEPENDENCY OF THE SYNERGISTIC CYTOTOXICITY BETWEEN PLATINUM-BASED ANTICANCER DRUGS AND DEMETHYLCANTHARIDIN, A MODIFIED TRADITIONAL CHINESE MEDICINE
Yee-Ping Ho, Po Yan Ng, Steve C.F. Au-Yeung

MC-M-035
EXTRACTION OF ACIDIC TRITERPENES FROM GANODERMA LUCIDUM USING SUPERCRITICAL FLUID TECHNOLOGY
Yee-Ping Ho, Xin Hong, Albert HL Chow

MC-M-036
TOTAL SYNTHESIS OF AN ANTI-MALARIAL ALKALOID, (+)-FEBRIFUGINE
Toshio Honda, Miho Katoh

MC-M-037
THE FIRST SYNTHESIS OF CHERIMOLACYCLOPEPTIDE E AND DIANTHIN E CYCLOHEXAPEPTIDES
Pei-Wen Hsieh, Tsann-Long Su, Yang-Chang Wu

MC-M-038
SYNTHESIS AND ANTIBACTERIAL ACTIVITIES OF N-(HYDROXY)UREIDO DIPEPTIDES
Ming-Kuan Hu, Shy-Ping Liang

MC-M-039
PROTECTIVE EFFECTS OF MYRICETIN AGAINST ULTRAVIOLET B-INDUCED DAMAGE IN HUMAN KERATINOCYTES
Chi-Feng Hung, Chiung-Lei Huang

MC-M-040
DEVELOPMENT AND APPLICATION OF AN *IN VIVO* BIOASSAY METHOD FOR ALLERGY-PREVENTIVE SUBSTANCES - ALLERGY-PREVENTIVE EFFECTS OF XANTHORRHOEA HASTILIS-
Kyoko Ishiguro, Yuko Ogawa, Hisae Oku, Emiko Iwaoka, Munekazu Iinuma

MC-M-041
INHIBITORY EFFECTS OF PASSIFLORA FOETIDA EXTRACTS ON SMOOTH MUSCLE CONTRACTION
Suree Jianmongkol, Paranee Yatmak, Rutt Suttisri, Thitima Pengsuparp, Surachai Unchern

MC-M-042
TARGETED KNOCKOUT OF THE MOSS PHYSCOMITRELLA PATENS (HEDW.) B.S.G. ?5-DESATURASE GENE INVOLVED IN ARACHIDONIC AND EICOSAPENTAENOIC ACID BIOSYNTHESIS
Songsri Kaewsuwan, Cahoon Edgar B, Pierre-Francois Perroud, Chanpen Wiwat, Nathinee Panvisavas, Ralph S Quatrano, David J Cove, Nuntavan Bunyapraphatsara

MC-M-043
EFFECT OF HUANG-QIN-TANG COADMINISTATION ON VALPROIC ACID PHARMACOKINETICS IN RATS
Jung-chun Kao, Pei-Dawn Lee Chao, Hsiu-Mei Chiang, Su-Lan Hsiu

Pharmaceutical Analysis, Bioanalysis, Quality Assurance/ Control and Regulatory Affairs

PA-M-001
IMPROVED HPLC METHOD FOR DETERMINATION OF CIPROFLOXACIN IN HUMAN PLASMA BY UV DETECTOR
Noushin Adib, Maryam Shekarchi, Mohammad reza Rouini, Farzad Kobarfard, Amir Mehdizadeh

PA-M-002
VALIDATED HPLC METHOD FOR THE SIMULTANEOUS DETERMINATION OF STAVUDINE/LAMIVUDINE/NEVIRAPINE IN HUMAN PLASMA
Wiyada Akarawut, Ing-orn Prasanchaimontri, Kesara Iewtrakool, Triporn Wattananat

PA-M-003
DEVELOPMENT OF A METHOD FOR DETERMINATION OF ACTIVE METABOLITES OF NICERGOLINE IN BIOEQUIVALENCE STUDIES
Valentina Anuta, Ion Mircioiu, Flavian Radulescu, Bruno Velescu

PA-M-004
DEVELOPMENT AND VALIDATION OF AN ANALYTICAL METHOD FOR THE DETERMINATION OF BENZALKONIUM CHLORIDE IN TWO PHARMACEUTICAL FORMULATIONS THAT REDUCE TIME AND COST OF ANALYSIS.
Jeannette Tamara Araújo Alves, Andrea García, Gabriela Navarro, Pablo Cabral

PA-M-005
STATISTICAL BACKGROUD OF ANALYTICAL METHOD TRANSFER
Balázs Bánfai, András Deák, Katalin Ganzler, Sándor Kemény

PA-M-006
APPLICATION OF CONFOCAL-RAMAN MICROSCOPY IN THE STUDY OF PARTICLE SIZE DISTRIBUTION AND POLYMORPHISM OF THE SPARINGLY WATER-SOLUBLE DRUGS FELODIPINE AND NIMODIPINE IN THEIR SOLID DISPERSIONS
Dimitrios Bikiaris, Evangelos Karavas, Aristides Docoslis, George Papageorgiou, Manolis Georgarakis

PA-M-007
ADSORPTION OF THE MODEL DRUG TESTOSTERONE ON LABORATORY TIPS.
Samuel Bodé, Bram Baert, Bart De Spiegeleer

PA-M-008
ALUMINIUM CONTAMINATION IN NEW SOLUTIONS OF STANDARDIZED PARENTERAL NUTRITION FOR NEONATOLOGY AND PAEDIATRIC
Sophie Calvez

PA-M-009
EXPLOITING ACCURATE MASS INFORMATION FOR METABOLITE STRUCTURE ELUCIDATION USING A DATA INDEPENDENT STRATEGY
Jose Castro-Perez, John Shockcor, Jing Lin, Kate Yu, Stephanie Dudd

PA-M-010
DYE COMPLEXATION BASED SPECTROFLUOROMETRIC DETERMINATION OF MELOXICAM
Emel Oyku Cetin, Mustafa Emrah KILINC, Levent KIRILMAZ

PA-M-011
VOLTAMMETRIC AND CHRONOAMPEROMETRIC DETERMINATION OF MELOXICAM
Emel Oyku Cetin, Mustafa Emrah KILINC, Levent KIRILMAZ

PA-M-012
CHARACTERIZATION OF A LAYERED POLYMER STRUCTURE WITH DISPERSIVE RAMAN DEPTH PROFILING: A CASE STUDY
Dirk Cleeren, Sigrid Stokbroekx, Koen Vanhoutte, Marcus E. Brewster

PA-M-013
PHARMACEUTICAL REGULATORY HARMONIZATION: ROLE OF DEVELOPING COUNTRIES
Sreedhar D, Udupa Nayanabhirama

PA-M-014
SEPARATION OF ANDROGRAPHOLIDE FROM ANDROGRAPHIS PANICULATA BY REVERSED PHASE FLASH COLUMN CHROMATOGRAPHY.
Supawadee Daodee, Wangboonskul Jinda

PA-M-015
HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY/MASS SPECTROMETRY METHOD FOR QUANTIFICATION OF ISOSTEVIOL IN RAT PLASMA
Andrew Keith Davey, Jin Hongping, Cobus Gerber, Jiping Wang

PA-M-016
ULTRA PERFORMANCE LIQUID CHROMATOGRAPHY WITH RAPID TANDEM MASS SPECTROMETRY ACQUISITION AND AUTOMATED MS/MS METHOD DEVELOPMENT TO ENHANCE THE THROUGHPUT OF DRUG DISCOVERY ADME SCREENING ASSAYS
Amy Davies, Edward Sprake

PA-M-017
DEVELOPMENT OF A VALIDATED STABILITY INDICATING HPLC ASSAY METHOD FOR ESCITALOPRAM OXALATE
Sunil Dhaneshwar, Mahadev Mahadik, Deepali Mhaske, M. J. Kulkarni, S.S. Kadam

PA-M-018
IN VITRO KINETICS RELEASE OF A KETOPROFEN LOADED EMULGEL
E. Socrates Egito, Andre Luiz Menezes, Danilo Cesar Galindo Bedor, Carlos Eduardo Miranda Souza, Jose Alexsandro Silva, Davi Pereira Santana

PA-M-019
QUALITY CONTROL INDICATORS FOR A HOSPITAL FORMULARY SYSTEM: AN APPLICATION FOR ANTIMICROBIALS
E. Socrates Egito, Iascara C. M. Nogueira, Erika B. Sousa, Karla S. R. Soares, Mabel M. Cavalcanti, Ivonete Batista Araujo

PA-M-020
ENANTIOSELECTIVE DETERMINATION OF OFLOXACIN IN PHARMACEUTICAL FORMULATIONS BY CAPILLARY ELECTROPHORESIS USING DUAL SYSTEM OF CYCLODEXTRINS.
Abdalla Elbashir, Bahruddin Saad, Mohamad Idiris Saleh, Abdussalam Salihin

Pharmaco-epidemiology and Pharmacovigilance

PE-M-001
IS THE SPECIALIST OF CLINICAL PHARMACY IMPORTANT IN THE BIG HOSPITALS?
Mariana Aciu, Daniela Calina, Luminita Chiutu, Vivi Calina, Diana Trasca

PE-M-002
IMPACT OF AMBULATORY CARE SERVICES FOR PSYCHIATRIC PATIENT
Khalaf Al-Jumaah, Jawza AL-Sabhan

PE-M-003
DRUG PRESCRIPTION PATTERNS IN A PRIMARY HEALTH CARE SERVICE UNIT AT RIBEIRAO PRETO, BRAZIL
Jose Henrique Bomfim, Julieta Ueta

PE-M-004
NON-PERSISTENT USE OF ANTIHYPERTENSIVE DRUGS LEADS TO INCREASED RISK OF HOSPITALIZATIONS FOR ACUTE MYOCARDIAL INFARCTION OR STROKE
Nancy Breekveldt, Satu Siiskonen, Fernie Penning-Van Beest, Joelle Erkens, Gabor Vincze, Heather Falvey, Ron Herings

PE-M-005
OFF-LABEL PRESCRIBING BY DUTCH PHYSICIANS; CONDITIONS AND MOTIVATIONS
Peter Caspers, Ronald Gijsen

PE-M-006
THE SAFETY CONTROL PROGRAM OF HERBAL MEDICINE IN TAIWAN
Lee-Chin Chang, Yu-Chuan Lin, Shui-Hui Lo, I-Hsin Lin

PE-M-007
EVIDENCE FOR NO ASSOCIATION BETWEEN USE OF BETA-2-AGONISTS AND RISK OF ACUTE MYOCARDIAL INFARCTION IN PATIENTS WITH HYPERTENSION
Frank De Vries, Sander Pouwels, Madelon Bracke, Jan-Willem Lammers, O.H. Klungel, Hubert Leufkens, Tjeerd Van Staa

PE-M-008
USE OF INHALED AND ORAL GLUCOCORTICOIDS, SEVERITY OF INFLAMMATORY DISEASE AND RISK OF HIP/FEMUR FRACTURE: A POPULATION-BASED CASE-CONTROL STUDY
Frank De Vries, Sander Pouwels, Madelon Bracke, Jan-Willem Lammers, Hubert Leufkens, Cyrus Cooper, Tjeerd Van Staa

PE-M-009
PHARMACOEPIDEMIOLOGICAL STUDIES IN SERBIA THE DATA SOURCES
Nevena Divac, Tomislav Kazic, Zoran Todorovic, Milica Bajcetic, Ranka Samardzic, Milica Prostran

PE-M-010
SIMULTANEOUS SPECTROPHOTOMETRIC BASED UPON MULTIVARIATE CALIBRATION FOR DETERMINATION OF SULPHAMETHOXAZOLE AND TRIMETHOPRIM IN PHARMACEUTICAL PREPARATIONS
Mojgan Fathabadi, Mahmoud Reza, Arezoo Sohrabi*, Hasan Nouri

PE-M-011
PROFILES OF INITIAL DRUG THERAPIES AMONG NEWLY DIAGNOSED HYPERTENSIVE PATIENTS WITH NO COMPELLING INDICATIONS.
Arijit Ganguli, Song Hee Hong

PE-M-012
HOW DOES THE LENGTH OF FIRST ANTIDEPRESSANT TREATMENT EPISODE INFLUENCE THE TIME UNTIL SECOND ANTIDEPRESSANT TREATMENT EPISODE
H. Gardarsdottir, E.C.G. van Geffen, A.C.G. Egberts, E.R. Heerdink

PE-M-013
THE G-STANDAARD: A COMPUTERIZED DRUG MEDICATION SURVEILLANCE SYSTEM WITH PRACTICAL GUIDELINES FOR THE HEALTHCARE PROFESSIONAL
Leonora Grandia, A.C.A.M. Lelie - van der Zande

PE-M-014
ECONOMIC IMPLICATION OF SUBSTITUTION OF STATINS IN THE GENERAL DUTCH POPULATION: POPULATION BASED STUDY
Pearl Gumbs, Monique Verschuren, Patrick Souverein, Aukje Mantel-Teeuwisse, Ardine De Wit, Anthonius De Boer, Olaf Klungel

PE-M-015
HOW DIFFERENT ARE ORPHAN DRUGS REALLY? DELAY IN MARKET ACCESS
Harald Heemstra, Pieter Stolk, Hubert GM Leufkens

Pharmacokinetics and Pharmacodynamics

KD-M-001
THE EFFECT OF KAN JANG ON THE PHARMACOKINETICS AND PHARMACODYNAMICS OF WARFARIN IN RATS
Hasmik Abrahamyan, Areg Hovhannisyan, Emil Gabrielyan, Alexander Panossian, Georg Wikman

KD-M-002
PHARMACOKINETICS OF ISONIAZID IN ARMENIAN POPULATION
Hasmik Abrahamyan, Areg Hovhannisyan, Arman Abrahamyan

KD-M-003
THE IMPORTANCE OF THE PHARMACODYNAMICS CARACTERISTICS OF ANTIBACTERIAL DRUGS IN THE ACUTE URINARY TRACT INFECTIONS
Mariana Aciu, Daniela Calina, Luminita Chiutu, Vivi Calina, Lucica Rosu, Adina Turcu Stiolica

KD-M-004
ENANTIOSELECTIVE HPLC-UV ASSAY FOR ESLICARBAZEPINE ACETATE (BIA 2-093) AND ITS METABOLITES DETERMINATION IN MICE PLASMA AND TISSUES: APPLICATION TO PHARMACOKINETIC STUDIES
G.L. Alves, I.V. Figueiredo, M.M. Castel-Branco, A.I. Loureiro, A.C. Fortuna, A.C. Falcão, M.M. Caramona

KD-M-005
UTILITY OF A NEW PRECISION PHYSIOLOGICALLY BASED PHARMACOKINETIC MODEL INCORPORATING A SINGLE ADJUSTING COMPARTMENT
Hirotaka Ando, Shigeru Izawa, Wataru Hori, Ippei Nakagawa

KD-M-006
PK/PD MODELING OF THE CARDIOVASCULAR EFFECTS OF BETA BLOCKER (ATENOLOL & CARVEDILOL) IN HUMANS
In-hwan Baek, Min-Hyuk Yun, Hwi-yeol Yun, Kwang-il Kwon

KD-M-007
TARGETING OF 15D-PROSTAGLANDIN J2 TO HEPATIC STELLATE CELLS: A PROMISING APPROACH IN THE DEVELOPMENT OF A DRUG FOR LIVER FIBROSIS
Leonie Beljaars, Adriana Mattos, Marlies Schippers, Werner Hagens, Catharina Reker-Smit, Alie De Jager-Krikken, Sophie Lotersztajn, Klaas Poelstra

KD-M-008
HOMING TO PDGF RECEPTOR: AN APPROACH TO IMPROVE THE TREATMENT OF FIBROTIC AND NEOPLASTIC DISEASES WITH TARGETED THERAPEUTICS
Leonie Beljaars, Jai Prakash, Annemarie Tuin, Martin Hessing, Herman Steen, Klaas Poelstra

KD-M-009
HUMAN LIVER MICROSOME INCUBATIONS EXPLAIN DIFFERENT SIROLIMUS METABOLITE PATTERNS IN PEDIATRIC AND ADULT TRANSPLANT PATIENTS
Jamie Bendrick-Peart, Gillian Johnson, Uwe Christians, Guido Filler

KD-M-010
ASSESSING THE NEUROPROTECTIVE EFFECTS OF DEXTROMETHORPHRAN IN NMDA-INDUCED RETINOPATHY MODEL
Chiao Hsi Chiang, Mei Fang Chou

KD-M-011
EVALUATION OF THE CLINICAL RELEVANCE OF THE OBSERVED FOOD EFFECT OF PALIPERIDONE ER, USING A PHARMACOKINETIC/PHARMACODYNAMIC MODELLING APPROACH
Adriaan Cleton

KD-M-012
CHARACTERISATION OF 10,11-DIHYDRO-10-HYDROXYCARBAMAZEPINE PHARMACOKINETICS IN PLASMA AND BRAIN: IMPACT OF ACTIVE EFFLUX MECHANISMS.
Ralph Clinckers, Ilse Smolders, Yvette Michotte, Guy Ebinger, Rob Voskuyl, Meindert Danhof, Oscar Della Pasqua

KD-M-013
THE EFFECT OF FOOD AND POSTURE ON THE PHARMACOKINETICS OF PALIPERIDONE EXTENDED RELEASE (ER) TABLETS
Herta Crauwels, Stefaan Rossenu, An Thyssen, Adriaan Cleton, An Vandebosch, Bart Remmerie, Dennis Morrison, Joris Berwaerts, Marielle Eerdekens, Joseph Palumbo

KD-M-014
DETERMINATION OF THE VARIABILITY IN ANTIBIOTIC SERUM CONCENTRATIONS IN BURN PATIENTS DURING DEBRIDEMENT SURGERY
Sheree Cross, Andrew Dalley, Bala Venkatesh, Michael Roberts, Jeffrey Lipman

KD-M-015
PHARMACOKINETICS AND MOLECULAR MODELING OF THE N-PHENYLPIPERAZINE DERIVATIVES LASSBIO-579 AND LASSBIO-581
Teresa Dalla Costa, Daniela Joice Conrado, Hugo Verli, Carlos Alberto Manssour Fraga, Eliezer Jesus Barreiro, Stela Maris Kuze Rates

KD-M-016
PHARMACOKINETIC ANALYSIS OF OGTT AND IVGTT MEASUREMENTS
Ladislav Dedik, Maria Durisova, Daniela Miklovicova

KD-M-017
DETERMINATION OF INDIVIDUAL STRATUM CORNEUM THICKNESS. AN IMPROVED APPROACH?
Begona Delgado-Charro, Russell Lisa

KD-M-018
IMMUNOMODULATION OF SAN-HUANG-XIE-XIN-TANG AND ITS COMPONENT HERBS IN MICE AND HUMANS THROUGH AN EX-VIVO APPROACH
Shih-Hua Fang, Yu-Chi Hou, Su-Lan Hsiu, Pei-Dawn Lee Chao

KD-M-019
A SURFACE PLASMON RESONANCE SCREENING METHOD TO DETERMINE HUMAN SERUM ALBUMIN BINDING
Sascha Gorissen, Klaus Hansen, Ute Scharfenecker

KD-M-020
COMPARISON OF PHARMACOKINETICS OF TRAMADOL AND ITS THREE MAIN METABOLITES IN HUMAN PLASMA AND SALIVA
Yalda Hosseinzadeh Ardakani, Rouini Mohammadreza

KD-M-021
SHARING DRUG DISEASE MODELS: WHAT ARE THE BENEFITS AND OBSTACLES?
Mark Hovde

KD-M-022
MODELING AND SIMULATION: HOW CAN WE MAKE IT MORE IMPACTFUL?
Mark Hovde

KD-M-023
DEVELOPMENT AND VALIDATION OF AN ACUTE GLAUCOMA MODEL TO MEASURE THE OCULAR HYPOTENSIVE EFFECTS AND USE OF PILOCARPINE HCL MICROEMULSION IN RABBITS
Iskender Ince, Iskender Ince, Levent Kirilmaz, Halil Ates, Ercument Karasulu

KD-M-024
THE ELIMINATION OF SERUM ALBUMIN IS DEPENDENT ON ITS CONFORMATIONAL STABILITY
Yasunori Iwao, Mikako Hiraike, Ulrich Kragh-Hansen, Keiichi Kawai, Toru Maruyama, Masaki Otagiri

KD-M-025
BIAS IN ESTIMATES OF METABOLIC CONSTANTS WHEN APPLYING THE MICHAELIS-MENTEN EQUATION TO DRUGS EXHIBITING ATYPICAL ENZYME KINETICS
Masoud Jamei, Anders Finnoy, Geoffrey Tucker, Amin Rostami-Hodjegan

Pharmacokinetics and Pharmacogenetics

KG-M-001
DOPAMINE D2, SEROTONIN 2A, AND 2C RECEPTOR POLYMORPHISMS IN AFRO-CARRIBEAN INPATIENTS: DIFFERENCES IN ASSOCIATION WITH PARKINSONISM, TREMOR, AND RIGIDITY
Asmar F.Y. Al Hadithy, Bob Wilffert, Roy Stewart, Richard Bruggeman, Jacobus Brouwers, Glen Matroos, Jim Van Os, Hans Wijbrand Hoek, Peter Van Harten

KG-M-002
PHARMACOKINETIC PROPERTIES OF HEMOGLOBIN-VESICLES DEVELOPED AS A RED BLOOD CELL SUBSTITUTE
Makoto Anraku, Toshiya Kai, Kazuaki Taguchi, Yukino Urata, Eishun Tsuchida, Koichi Kobayashi, Masaki Otagiri

KG-M-003
ATORVASTATIN EFFECTS ON SREBF1 AND SCAP GENE EXPRESSION IN PERIPHERAL BLOOD MONONUCLEAR CELLS OF HYPERCHOLESTEROLEMIC PATIENTS.
Simone Sorkin Arazi, Maria Alice Vieira Willrich, Fabiana Dalla-Vecchia, Mario Hiroyuki Hirata, Egidio Lima Dorea, Marcia Bernik, Rosario Dominguez Crespo Hirata

KG-M-004
POTENTIAL IMPACT OF CYP2D6 AND CYP2C19 GENOTYPING ON ANTIDEPRESSIVE DRUG TREATMENT IN HUNGARY
Ágota Háber, Ferenc Szücs, Sándor Fekete, Péter Osváth, Lajos Botz

KG-M-005
GENETIC POLYMORPHISM OF OATP1B1 IN TAIWANESE AND ASSOCIATION WITH SERUM BIOCHEMISTRY
Kelly Huang, Ming-Liang Lai

KG-M-006
PXR POLYMORPHISM AFFECTS CYP3A4 INDUCTION VIA A LIGAND-DEPENDENT INTERACTION WITH SRC-1
Jin-ding Huang, Yun-Ping Lim

KG-M-007
PHARMACOKINETIC VARIABILITY OF A VLA-4 ANTAGONIST IN RATS AND DOGS IS ASSOCIATED WITH ALBUMIN GENETIC POLYMORPHISMS
Takashi Ito, Masayuki Takahashi, Kenichi Sudo, Yuichi Sugiyama

KG-M-008
INVESTIGATION OF GENETIC MECHANISMS AFFECTING MRNA EXPRESSION IN HUMAN CARDIOVASCULAR CANDIDATE GENES
Andrew Johnson, Danxin Wang, Audrey C. Papp, Wolfgang Sadee

KG-M-009
CYP3A5*3 INFLUENCES PLASMA TROUGH CONCENTRATION OF MYCOPHENOLIC ACID IN COMBINATION WITH TACROLIMUS BUT NOT CYCLOSPORINE DURING THE MAINTENANCE PERIOD FOLLOWING RENAL TRANSPLANTATION
Takafumi Naito, Yasuaki Mino, Kasumi Yamakawa, Atsushi Otsuka, Tomomi Ushiyama, Seiichiro Ozono, Yoshiyuki Kagawa, Junichi Kawakami

KG-M-010
SELECTION AND VALIDATION OF REFERENCE GENES FOR QPCR STUDIES IN CACO-2 CELLS
Claudia Piana, Stefan Toegel, Stefan Gerbes, Helmut Viernstein, Michael Wirth, Franz Gabor

KG-M-011
ACTUAL NECESSITY OF PREDICTIVE CYP2D6-GENDIAGNOSTICS IN PSYCHIATRIC THERAPY
Stephanie Roehm, Anne-Kristina Frobel, Edith Tot, Stephanie Läer

KG-M-012
THE INFLUENCE OF BCL-2 DOWNREGULATION BY OBLIMERSEN AND SIRNA USING A PROTEOMIC APPROACH
Martina Stessl, Johannes Winkler, Martina Marchetti, Günter Allmaier, Christian R. Noe, Martina Marchetti

KG-M-013
VALIDATION OF RELIABLE REFERENCE GENES FOR QPCR STUDIES ON CHONDROPROTECTIVE ACTION.
Stefan Toegel, Wenwen Huang, Claudia Piana, Frank Unger, Michael Wirth, Mary Goldring, Franz Gabor, Helmut Viernstein

KG-M-014
INTERACTIONS BETWEEN THE GLY460TRP ?LPHA-ADDUCIN GENE VARIANT AND DIURETICS AND THE RISK OF MYOCARDIAL INFARCTION AMONG TREATED HYPERTENSIVE PATIENTS
Diane Van Wieren, Anke-Hilse Maitland-van der Zee, Karin J.A. Lievers, Anthonius De Boer, Bruno H. Ch. Stricker, Abraham A Kroon, Peter W De Leeuw, Paul Schiffers, Rob Janssen, Cornelia Van Duijn, Olaf H Klungel

Tuesday April 24, 2007

Clinical Pharmacology and Biomarkers

CP-T-001
2'-METHOXY-4'6'-BIS(METHOXYMETHOXY) CHALCONE INHIBIT THE LIPOPOLYSACCHARIDE -INDUCED INFLAMMATORY CYTOKINE EXPRESSION IN MACROPHAGE RAW264.7 CELLS
Xing Yu Jin, Yu-Zhe Zhao, Ji Yeong Kim, Dae Wan Sohn, Soon-Ai Kim, Sung Hee Lee, Hak Sung Kim, Dong Hwan Sohn

CP-T-002
ANTIOXIDANT ACTIVITY OF OLMESARTAN IN *IN VIVO* AND *IN VITRO*
Daisuke Kadowaki, Makoto Anraku, Moe Sakaya, Toru Maruyama, Masaki Otagiri

CP-T-003
EVALUATION OF HISTAMINE 2 RECEPTOR ANTAGONISTS BY MONITORING GASTRO-INTESTINAL PEPTIDES IN PLASMA
Masayo Kuwabara, Hiroki Itoh, Fumihiko Katagiri, Yuhki Sato, Masaharu Takeyama

CP-T-004
ELECTROCHEMILUMINESCENT DETECTION OF HUMAN CYTOKINES IN CELL CULTURE AND SERUM/PLASMA SAMPLES USING THE BIOVERIS M-SERIES 384 ANALYZER
Joseph Leginus, Joseph Kilheeney, Habibah Jackson, Matthew Bonen, Daniel Curtis, Lana Do, Amy Permenter, Eddie Jeffries, Elizabeth Kenten

CP-T-005
FAVORABLE GENETIC POLYMORPHISMS PREDICTIVE OF CLINICAL OUTCOME OF CHEMORADIOTHERAPY FOR STAGE II/III ESOPHAGEAL SQUAMOUS CELL CARCINOMA IN JAPANESE
Shingo Maeda, Motohiro Yamamori, Tatsuya Okuno, Tsutomu Nakamura, Noboru Okamura, Naoko Chayahara, Takao Tamura, Nobuo Aoyama, Takeshi Azuma, Masato Kasuga, Katsuhiko Okumura, Toshiyuki Sakaeda

CP-T-006
POSTMILKING TEAT ANTISEPTIC OF DURIAN POLYSACCHARIDE GEL FOR PREVENTING BOVINE MASTITIS BY EXPOSURE STUDY *IN VIVO*
Raktham Maktrirat, Kittisak Ajariyakhajorn, Sunanta Pongsamart

CP-T-007
BIOMARKERS SPECIFIC FOR P38 MITOGEN ACTIVATED PROTEIN KINASES; A TRANSLATIONAL STUDY.
Katsuhiro Mihara, Ruben Smeets, Frank Wijnands, Paul Vink, AnneMieke Boots, Rob Nelissen

CP-T-008
STUDY ABOUT THE SULMETICILLIN ACTION ON BETA-LACTAMASE PRODUCING BACTERIA, COMPARED WITH OTHER ANTIBIOTICS
Johny Neamtu, Gabriela Iliescu, Florica Popescu, Lucica Rosu, Mirela Manolescu

CP-T-009
PREDICTIVE FACTORS OF THE BIOCHEMICAL RESPONSE SUSTAINED IN THE ANTIVIRAL COMBINATED THERAPY OF C CHRONIC VIRAL HEPATITIS
Johny Neamtu, Barcan Mariana, Biciusca Viorel, Florica Popescu

CP-T-010
HEPATOPROTECTIVE ACTIVITY OF GINKGO BILOBA PHYTOSOMES IN RIFAMPICIN INDUCED LIVER INJURY: EVIDENCE OF ANTIOXIDANT ACTIVITY
Vandana Panda, Suresh Naik

CP-T-011
EFFECT OF AN AYURVEDIC HERBAL FORMULATION ON BLOOD GLUCOSE LEVEL IN NIDDM PATIENTS.
Piyush Patel

CP-T-012
PERFLUOROCARBON POLYMERIC CAPSULES AS CONTRAST AGENTS WITH TUNABLE SIZE AND ENHANCED STABILITY FOR ULTRASONOGRAPHY IMAGING
Emilia Pisani, Nicolas Tsapis, Belfor Galaz, Erol Kurtisovski, Olivier Lucidarme, Wladimir Urbach, Elias Fattal

Drug Metabolism and Transport

DMT-T-001
IMPACT OF NUCLEAR RECEPTORS ON HUMAN CYP3A4 GENE EXPRESSION AND INDUCTION BY RIFAMPIN IN PRIMARY HUMAN HEPATOCYTES
Monica Adina Istrate, Andreas K. Nussler, Michel Eichelbaum, Oliver Burk

DMT-T-002
DYSFUNCTION OF POTENTIAL-SENSITIVE URATE TRANSPORT SYSTEM IN LONG-EVANS CINNAMON RATS
Shiro Itagaki

DMT-T-003
INFLAMMATION IMPAIRS INTRINSIC CHIRAL INVERSION ACTIVITY OF PROFEN, NONSTEROIDAL ANTIINFLAMMATORY DRUG
Masahiro Iwaki, Misato Uraki, Satoshi Uno, Atsushi Kawase

DMT-T-004
TRANSPORT MECHANISM OF CARNOSINE IN SKPT CELLS: ROLE OF THE PROTON-COUPLED OLIGOPEPTIDE TRANSPORTERS PEPT2 AND PHT1
Dilara Jappar, Yongjun Hu, Richard Keep, David Smith

DMT-T-005
FUNCTIONAL EXPRESSION AND INTERACTION OF ORGANIC CATION/CARNITINE TRANSPORTER (OCTN2) AND ITS ADAPTOR PROTEIN PDZK1 IN MOUSE SMALL INTESTINE
Yukio Kato, Yoshiyuki Kubo, Akira Tsuji

DMT-T-006
TRANSCRIPTIONAL ACTIVATION OF MDR1 GENE BY THYROID HORMONE RECEPTOR
Toshiya Katsura, Naoki Nishio, Ken-ichi Inui

DMT-T-007
EFFECTS OF CAR ON BILIRUBIN METABOLISM IN MOUSE COLLAGEN-INDUCED ARTHRITIS
Atsushi Kawase, You Tsunokuni, Masahiro Iwaki

DMT-T-008
THE ROLE OF VITAMIN D RECEPTOR (VDR) IN REGULATION OF ENZYMES AND TRANSPORTERS INVOLVED IN BILE ACID DISPOSITION IN THE RAT INTESTINE.
Ansar Ali Khan, Marieke GL Elferink, K. Sandy Pang, Geny MM Groothuis

DMT-T-009
COMPARISON OF PLASMA CONCENTRATION-TIME PROFILES OF DRUGS FOLLOWING ORAL ADMINISTRATION TO COLLIE DOGS WITH NORMAL AND IMPAIRED P-GP ACTIVITIES
Yoshiaki Kitamura, Hisao Koto, Takeshi Kawabata, Shinobu Matsuura, Hiroshi Tsuchiya, Hiroyuki Kusuhara, Hajime Tsujimoto, Yuichi Sugiyama

DMT-T-010
A STUDY OF TRADITIONAL CHINESE HERB LIGUSTICUM CHUANXIONG HORT. AND ITS ACTIVE COMPONENTS ON RAT LIVER CYP 3A4 AND CYP 2D6 ACTIVITIES
Hwee-Ling Koh, Eli Chan, Peiling Hou

DMT-T-011
EVIDENCE THAT CANALICULAR DRUG TRANSPORTERS ARE OPERATIONAL IN FRESHLY ISOLATED HEPATOCYTES
Justine Lam, Leslie Z. Benet

DMT-T-012
STEREO AND REGIOSELECTIVE EFFLUX OF P-GLYCOPROTEIN ON THE TRANSPORT OF NATEGLINIDE ENANTIOMERS ACROSS THE RAT INTESTINE.
Srinivas Maddi, Aparna,C.mohan,M.rao,Scriba Peerla, Ega, Yamasani,Gerhard

DMT-T-013
STUDY OF DRUG TRANSPORT AND METABOLISM USING EXCISED RAT INTESTINE IN USSING CHAMBER *IN VITRO*
Yoshie Masaoka, Makoto Kataoka, Shinji Sakuma, Shinji Yamashita

DMT-T-014
INTERACTION OF SPARFLOXACIN WITH BREAST CANCER RESISTANCE PROTEIN (BCRP/ABCG2): INFLUENCE OF FLAVONOIDS.
Gracia Merino, Rebeca Real, Antonio José Molina, Miriam Pérez, Julio G. Prieto, Ana I. Alvarez

DMT-T-015
GASTROINTESTINAL ABSORPTION OF (1?3)-?-D-GLUCAN AND ITS REGIONAL DIFFERENCES IN RAT
Mitsutaka Miwa, Yuko Goto, Mayuko Nagira, Mikio Tomita, Masahiro Hayashi

DMT-T-016
NOVEL DATA-MINING TECHNIQUE FOR ANALYSIS OF SUBSTRATE SPECIFICITY OF CYTOCHROME P450S
Miki Mizobata, Chunlai Feng, Hideto Hara, Fumiyoshi Yamashita, Mitsuru Hashida

DMT-T-017
EFFECTS OF PHENOBARBITAL ON BUCOLOME N-GLUCURONIDATION IN RATS: *IN VIVO* AND *IN VITRO* STUDIES
Kiminori Mohri, Humihisa Kanoh, Kenji Okada

DMT-T-018
EFFECT OF HYPOXIA ON DRUG METABOLISM OF INTESTINAL TC7 CELLS.
Antonio J. Molina, Gracia Merino, Rebeca Real, Miriam Pérez, Julio G. Prieto, Ana I. Álvarez

DMT-T-019
P-GLYCOPROTEIN INFLUENCES BETA-CATENIN CELLULAR LOCALIZATION AND NUCLEAR TRANSLOCATION
Brien Neudeck, Qiuye Zhang, Jayshree Mishra

DMT-T-020
MOLECULAR MECHANISM OF DRUG-INTERACTIONS INVOLVING COMPLEMENTARY MEDICINES: THE IMPORTANCE OF MEMBRANE TRANSPORT SYSTEMS AND DRUG METABOLISING ENZYMES
Suong N. T. Ngo, Thuong Phan, Samay Trec, Jasmina Turkanovic

DMT-T-021
ASSESSMENT OF IMPACT OF P-GLYCOPROTEIN ON INTESTINAL ABSORPTION OF NEW CHEMICAL ENTRIES USING PORTAL-SYSTEMIC BLOOD CONCENTRATION DIFFERENCE METHOD
Satoyo Nishikawa, Takuo Ogihara, Hidemasa Katsumi, Akira Yamamoto, Takuya Fujita

DMT-T-022
INHIBITORY EFFECT OF BACAMPICILLIN ON P-GLYCOPROTEIN FUNCTION AND ITS TRANSPORT MECHANISM IN CACO-2 CELLS
Masako Oda, Hiroshi Saitoh

DMT-T-023
COMPARISON OF FUNCTIONAL FEATURES BETWEEN HUMAN MATE1 AND MATE2-K, RENAL ORGANIC CATION/H+ ANTIPORTERS
Kin-ya Ohta, Katsuhisa Inoue, Hiroaki Yuasa

DMT-T-024
LC-MS/MS-COCKTAIL METHOD, A HIGH-THROUGHPUT SUBSTRATE SCREENING METHOD FOR ABC TRANSPORTER.
Sumio Ohtsuki, Yasuo Uchida, Junichi Kamiie, Tetsuya Terasaki

DMT-T-025
EFFECTS OF CLOFIBRIC ACID ON THE TAURINE CONJUGATION OF BENOXAPROFEN IN RATS.
Kenji Okada, Toshimi Kimura, Ken-ichi Sagawa, Kiminori Mohri

DMT-T-026
EVIDENCE OF DRUG REFLUX TRANSPORT BY ORGANIC ANION TRANSPORTING POLYPEPTIDES
Hideaki OKOCHI, Emil Lin, Leslie Benet

DMT-T-027
NEW MAMMALIAN MIMIC MODEL MEMBRANE TO STUDY DRUG INTERACTIONS WITH HUMAN BCRP IN A HIGH THROUGHPUT SCREENING MODEL
Ákos Pál, Dóra Méhn, Éva Molnár, Szilvia Gedey, György Báthori, Péter Krajcsi

DMT-T-028
TIMING EFFECT OF COADMINISTRATION OF SCUTELLARIAE RADIX ON METHOTREXATE PHARMACOKINETICS IN RATS
Yun-Chia Chang, Su-Lan Hsiu, Yu-Chi Hou, Hsiu-Mei Chiang

Formulation, Delivery, Biopharmaceutics and Pharmaceutical Technology

DD-T-001
AEROSOL CHALLENGE OF MICE AFTER INTRANASAL AND INTRAMUSCULAR VACCINATION WITH VARIOUS INFLUENZA VACCINE FORMULATIONS
Niels Hagenaars, Enrico Mastrobattista, Harrie Glansbeek, Herman Vromans, Wim Jiskoot

DD-T-002
DEVELOPMENT & EVALUATION OF ELEMENTARY OSMOTIC PUMP TABLETS FOR CONTROLLED DELIVERY OF VERAPAMIL HYDROCHLORIDE
Mehra Haghi

DD-T-003
ESTABLISHMENT AND VALIDATION OF AN EX VIVO HUMAN CERVICAL TISSUE MODEL FOR THE LOCAL DELIVERY OF NUCLEIC ACID DRUGS
Eleonore Haltner-Ukomadu, Christian Hiller, Udo Bock, Sigrid Balser, Michael Dahm

DD-T-004
INFLUENCE OF THREE SORPTION PROMOTERS: PROPYLENE GLYCOL, ISOPROPYL MYRISTATE AND SUCROSE STEARATE ON THE *IN VITRO* PERCUTANEOUS PERMEATION OF CAFFEINE, TESTOSTERONE AND HYDROCORTISONE
Eleonore Haltner-Ukomadu, Monika Kaca, Udo Bock, Rolf Daniels

DD-T-005
IN VITRO PERMEABILITY OF KETOPROFEN AND DICLOFENAC FROM DIFFERENT TOPICAL FORMULATIONS
Eleonore Haltner-Ukomadu, Udo Bock

DD-T-006
NANOPARTICLES FOLLOW THE TRANSCYTOTIC PATHWAY IN EPITHELIAL CELLS
Oshrat Harush-Frenkel, Simon Benita, Yoram Altschuler

DD-T-007
RECOGNITION AND PHAGOCYTOSIS OF PLGA MICROSPHERES BY ALVEOLAR MACROPHAGES
Taizo Hasegawa, Kimiko Makino, Takehisa Nakjima, Minoru Ono, Hiroshi Terada

DD-T-008
DEVELOPMENT OF A RAPIDLY DISINTEGRATING TABLET CONTAINING PROMETHAZINE HCL AGAINST MOTION SICKNESS
Rahul Haware, Pravin Chaudhari, S. Parakh, Annette Bauer-Brandl

DD-T-009
CONTROLLED MODIFICATION OF PARTICLE SURFACE PROPERTIES BY HOT STEAM
Jyrki Heinämäki, Mika Mäkilä, Jouko Yliruusi

DD-T-010
EFFECT OF AEROSIL ON PHYSICAL STABILITY AND DRUG RELEASE CHARACTERISTICS OF SORBITAN MONOPALMITATE ORGANOGELS CONTAINING IMIQUIMOD
Sueda Hekimoglu, Sibel Samdancioglu, A. Atilla Hincal

DD-T-011
CHITOSAN DERIVATIVES FOR PULMONARY DNA VACCINATION: FUNCTIONALIZATION WITH TLR-LIGANDS
Simon Heuking

DD-T-012
NOVEL PREPARATIONS SAFELY IMPROVING DRUG ABSORPTION BY COMBINATORIAL USE OF POLYAMINES WITH BILE ACIDS
Kazutaka Higaki, Fuyuki Mukaizawa, Koji Taniguchi, Masateru Miyake, Ken-ichi Ogawara, Masaaki Odomi, Toshikiro Kimura

DD-T-013
SUPPRESSION OF HEPATIC ISCHEMIA/REPERFUSION INJURY BY KUPFFER CELL TARGETED NF-KAPPA B INACTIVATION
Yuriko Higuchi, Can Wu, Shigeru Kawakami, Fumiyoshi Yamashita, Mitsuru Hashida

DD-T-014
THE CHOICE OF A SUITABLE OLIGOSACCHARIDE TO PREVENT AGGREGATION OF PEGYLATED NANOPARTICLES DURING FREEZE DRYING
Wouter Hinrichs, Niek Sanders, Stefaan De Smedt, Jo Demeester, Erik Frijlink

DD-T-015
PHAGOCYTIC UPTAKE OF PLGA MICROSPHERES DOES NOT INDUCE CELL DEATH OF ALVEOLAR MACROPHAGES
Keiji Hirota, Takehisa Nakajima, Kimiko Makino, Hiroshi Terada

DD-T-016
PHAGOCYTIC UPTAKE OF PLGA MICROSPHERES DOES NOT INDUCE CELL DEATH OF ALVEOLAR MACROPHAGES
Keiji Hirota, Takehisa Nakajima, Kimiko Makino, Hiroshi Terada

DD-T-017
IMPROVEMENT IN COMPACTIBILITY OF ERYTHRITOL BY FORMULATING COMPOSITE PARTICLES PREPARED IN DRY PROCESS
Yohei Hoashi, Ayako Ban, Yuichi Tozuka, Hirofumi Takeuchi, Naohisa Katayama, Toshiya Kai, Makoto Sato

DD-T-018
THE INFLUENCE OF DIFFERENT PHOSPHATIDYLCHOLINE-MOLECULES IN MICROEMULSIONS ON THE SKIN PERMEATION OF FLUCONAZOLE
Sonja Hoeller, Babette Biruss, Claudia Valenta

DD-T-019
SYNTHESIS AND EVALUATION OF PERIPHERALLY OR AXIALLY SUBSTITUTED HYDROPHOBIC PHTHALOCYANINES FOR PHOTODYNAMIC THERAPY
Jan Willem Hofman, Femke Van Zeeland, Selcan Turker, Saskia A. G. Lambrechts, Wim E. Hennink, Cornelus F. Van Nostrum

DD-T-020
THERAPEUTIC EFFECT OF PACLITAXEL-ELUTING POLYURETHANE MEMBRANE IN CARCINOMA XENOGRAFTS
SOON SUN HONG, SEOK JEONG, MINA KIM, JIN-HEE MAENG, IN SUH PARK, YONG SUN JEON, DON HAENG LEE

DD-T-021
AN INVESTIGATION OF ACETYLCHOLINE RELEASED IN SKELETAL MUSCLE AND PROTEIN UNBOUND DRUG RELEASED IN BLOOD BASED ON THE PYRIDOSTIGMINE BROMIDE SUSTAINED-RELEASE PELLETS BY MICRODIALYSIS TECHNIQUE
Yuh-Tyng Huang, Chun-Jen Cheng, Tsun-Fwu Lai, Tong-Rong Tsai, Tung-Hu Tsai, Thau-Ming Cham

DD-T-022
GASTRORETENTIVE MULTIPLE-UNIT DELIVERY SYSTEM IN THE TREATMENT OF HELICOBACTER PYLORI INFECTION
Valentina Iannuccelli, Marcello Romagnoli, Santo Sergi, Gilberto Coppi

DD-T-023
INHIBITION OF INSULIN RESISTANCE IN TYPE 2 DIABETIC MICE BY POLYETHYLENE GLYCOL-CATALASE CONJUGATE
Mai Ikemura, Makiya Nishikawa, Kenji Hyoudou, Yuki Kobayashi, Fumiyoshi Yamashita, Mitsuru Hashida

DD-T-024
MULTIVARIATE METHOD IN FORMULATION OF EXTENDED RELEASE FELODIPINE MATRIX TABLETS BASED ON POLYETHYLENE OXYDE AND YDROXYPROPYLMETHYLCELLULOSE
Rares Iovanov, Ioan Tomuta, Sorin E. Leucuta

DD-T-025
ACTIVATION OF INNATE IMMUNITY IN PHAGOCYTOSIS OF MACROPHAGE BY MICROSPHERES
Kazuo Ishii, Goushi Nagao, Takao Taki, Hiroshi Terada

DD-T-026
S-Nitrosylation of human variant albumin Liprizzi (R410C) confers potent antibacterial and cytoprotective properties
Yu Ishima, Shuichi Hiroyama, Tomohiro Sawa, Ulrich Kragh-Hansen, Takaaki Akaike, Masaki Otagiri

DD-T-027
APPLICATION OF GENERALIZED REGRESSION NEURAL NETWORK IN THE OPTIMIZATION OF DICLOFENAC SODIUM EXTENDED RELEASE TABLETS
Branka Ivic, Svetlana Ibric, Nebojsa Cvetkovic, Aleksandra Petrovic, Svetlana Trajkovic, Zorica Djuric

DD-T-028
PREPARATION AND EVALUATION OF DIPROPIONATE OF BECLOMETHASONE LIPOSOME FORMULATION FOR INHALED AEROSOL DRUG DELIVERY
Chiraz Jaafar, Hatem Fessi, Souad Sfar Gandoura, Veronique Andrieu

DD-T-029
SPRAY DRIED POWDERS OF RECOMBINANT HUMAN GROWTH HORMONE FOR AEROSOL DELIVERY
Monireh Jalalip[our, Hosnieh Tajerzadeh, Abdulhossein Rouholamini Najafabadi, Kambiz Gilani

DD-T-030
CONTROLLED RELEASE OF MORPHINE FROM A POLOXAMER 407 GEL
M.M.P.M. Jansen, Adriaan A. van Sorge, Yechiel A. Hekster

DD-T-031
PHYSICOCHEMICAL APPROACHES TOWARD IMPROVING LIPOSOMAL LOADING AND RETENTION OF HYDROPHOBIC WEAK ACIDS
Vijay Joguparthi, Bradley Anderson

DD-T-032
THERMORESPONSIVE CHITOSAN HYDROGELS: A NOVEL LYOPHILISABLE DOSAGE FORMULATION
Olivier Jordan, Emilie Patois, Yannic Schuetz, Virginie Besson, Ludmila Luca, Suzanne Osorio da Cruz, Erman Pektok, Beat Walpoth, Robert Gurny

DD-T-033
PROTEIN STABILIZATION BY ENCAPSULATION IN SUPERCRITICAL FLUID DRIED SUGAR MICROSPHERES
Natasa Jovanovic, Marc Sutter, Andr_anne Bouchard, Michiel Van Speybroeck, Gerard W. Hofland, Geert-Jan Witkamp, Daan J.A. Crommelin, Wim Jiskoot

DD-T-034
SUPERCRITICAL FLUID DRYING FOR THE STABILIZATION OF IGG FORMULATIONS
Natasa Jovanovic, Andr_anne Bouchard, Gerard W. Hofland, Geert-Jan Witkamp, Daan J.A. Crommelin, Wim Jiskoot

DD-T-035
INHIBITORY EFFECT OF NFKB DECOY/FUC-LIPOSOME COMPLEXES ON CYTOKINES PRODUCTION AND HEPATIC INJURY INDUCED BY LIPOPLEX
Yuki Kamiya, Yuriko Higuchi, Shigeru Kawakami, Fumiyoshi Yamashita, Mitsuru Hashida

DD-T-036
STUDIES ON DEVELOPMENT OF ANTITUMORAL DRUG LOADED MICROEMULSION FORMULATION AND INVESTIGATION OF ITS ANTITUMORAL EFFICIENCY
Yesim Karasulu, H.Yesim Karasulu, Volkan Armagan, Bulent Karabulut, Erdem Goker, Tamer Guneri

DD-T-037
EFFECTS OF A BIOADHESIVE BENZYDAMINE HYDROCHLORIDE GEL ON ORAL MUCOSAL ULCERS: A HISTOLOGICAL EVALUATION
Sinem Yaprak Karavana, Bahar SEZER, Pelin GÜNERI, Ali VERAL, Gökhan Ertan

DD-T-038
EVALUATION OF PULMONARY ABSORPTION AND SAFETY OF ALENDRONATE FOR THE TREATMENT OF OSTEOPOROSIS
Hidemasa Katsumi, Maria Nakatani, Maki Kurihara, Rika Taniguchi, Takuya Fujita, Toru Hibi, Akira Yamamoto

DD-T-039
INVESTIGATION OF SOLUBILITY AND PERMEABILITY CHARACTERISTICS OF FUROSEMIDE
Mustafa Sinan Kaynak, Mustafa Sinan Kaynak, Selma Sahin, Atilla Hincal

DD-T-040
DEVELOPMENT OF A TASTE-MASKED QUININE PAMOATE SUSPENSION
Pierre Claver KAYUMBA, HUYGHEBAERT Nathalie, VERVAET Chris, Jean Paul Remon

DD-T-041
FLOW CYTOMETRIC SIDE SCATTER ANALYSIS AS A DIRECTIVE FOR CELL-NANOPARTICLE INTERACTION
Vera Kerleta, Katharina Trimmel, Gerda Ratzinger, Michael Wirth, Franz Gabor

DD-T-042
INFLUENCE OF ORGANIC ACIDS ON THE RELEASE OF VERAPAMIL FROM MATRIX TABLETS
Sandile Maswazi Khamanga, Chenaimoyo Mandimika, Roderick B. Walker

DD-T-043
AN INVESTIGATION OF THE BIOADHESION, PHYSICAL AND MECHANICAL PROPERTIES OF CHITOSAN FILM AS DRESSING FOR WOUND.
Dr. Tanveer Ahmad Khan, Kok Khiang Peh, Kausar Ahmad

DD-T-044
NAIL SWELLING AS A PRE-FORMULATION SCREEN FOR THE SELECTION AND OPTIMISATION OF UNGUAL PENETRATION ENHANCERS
Rajeshree Khengar, Stuart A Jones, Ben Forbes, Monica Reid, Marc B Brown

DD-T-045
REGULATION OF DRUG ABSORPTION FROM SMALL INTESTINE BY ENTERIC NERVOUS SYSTEM: STUDIES ON PASSIVE DIFFUSION AND P-GP FUNCTION
Takahiro Kimoto, Hideo Hiraoka, Hironori Mukai, Moeko Sasaki, Ken-ichi Ogawara, Toshikiro Kimura, Kazutaka Higaki

DD-T-046
NOVEL CONTROLLED RELEASE MICROPARTICLES REDUCING THE NEUROLOGICAL CONSEQUENCES OF ISCHEMIC STROKE
Diana Klose, Maud Laprais, Florence Siepmann, Regis Bordet, Juergen Siepmann

DD-T-047
TARGETED DELIVERY OF CATALASE TO LIVER CELLS FOR INHIBITION OF NF-KB ACTIVATION IN TUMOR AND LIVER CELLS DURING HEPATIC TUMOR METASTASIS
Yuki Kobayashi, Makiya Nishikawa, Kenji Hyoudou, Mai Ikemura, Yamashita Fumiyoshi, Mitsuru Hashida

DD-T-048
DESIGNING NANOPARTICLES FOR ACTIVE TARGETING
Petra Kocbek

DD-T-049
DRUG LINKING BY COORDINATION CHEMISTRY: A STRAIGHTFORWARD AND VERSATILE METHOD FOR THE DEVELOPMENT OF DRUG TARGETING CONJUGATES
Robbert Kok, Teresa Gonzalo, Jai Prakash, Kai Temming, Marie Lacombe, Frank Opdam, Klaas Poelstra

DD-T-050
COMPARISON OF PERMEATION OF VARIOUS DRUGS FROM A LIPOPHILIC DONOR SOLUTION THROUGH HUMAN SKIN
Lenka Kolackova, Steffi Hansen, Claus-Michael Lehr, Pavel Dolezal, Ulrich Schaefer

DD-T-051
A NOVEL DRUG DELIVERY SYSTEM USING A CLAUDIN MODULATOR
Masuo Kondoh, Makiko Fujii, Katsuhiro Isoda, Yoshiteru Watanabe, Kiyohito Yagi

DD-T-052
COPOLYMER ZWITTERIONIC MATRICES FOR SUSTAINED DRUG DELIVERY
Bistra Kostova, Kostova Bistra, Kamenska Elena, Ivanov Ivo, Rachev Dimitar, Georgiev George

DD-T-053
TASTE ASSESSMENT OF SODIUM BENZOATE RELEASED FROM FIVE DIFFERENT PELLET FORMULATIONS USING AN ELECTRONIC TONGUE AND A HUMAN TASTE PANEL
Julia Krause, Roy Turner, Catherine Tuleu, Jörg Breitkreutz

DD-T-054
MOLTEN LIPID IMPLANTS AS CONTROLLED DRUG DELIVERY SYSTEMS: A QUANTITATIVE ANALYSIS OF THE MASS TRANSPORT MECHANISMS
Frauke Kreye, Florence Siepmann, Juergen Siepmann

DD-T-055
HOW TO PROVIDE BROAD RANGES OF DRUG RELEASE PATTERNS FROM LIPID IMPLANTS PREPARED BY COMPRESSION, MELTING OR EXTRUSION
Frauke Kreye, Florence Siepmann, Marie Pierre Flament, Pierre Leterme, Juergen Siepmann

DD-T-056
ENANTIOSELECTIVE PENETRATION ENHANCING EFFECT OF LIMONENE ON TRANSDERMAL PERMEATION OF NICORANDIL ACROSS RAT EPIDERMAL MEMBRANE
Y.S.R. KRISHNAIAH, S.M. Al-Saidan, A.H. Nada

DD-T-057
MONOCAPRIN AS A POTENTIAL TOPICAL AGENT FOR TREATING ORAL CANDIDOSIS
Thordis Kristmundsdottir

DD-T-058
EFFECT OF FORMULATION VARIABLES ON THE RELEASE OF 17?-ESTRADIOL AND NORETHINDRONE FROM GEOMATRIX IMPLANTS
Poj Kulvanich, Chutima Wiranidchapong, Ian Tucker

DD-T-059
DETERMINATION OF THE NANOSCALE STRUCTURE OF DRUG DELIVERY SYSTEMS BY USING A SYNCHROTRON SOURCE
Mont Kumpugdee Vollrath, Praneet Opanasopit, Ivo Zizak, Armin Hoell, Peter Guttmann

DD-T-060
OXYTOCIN NASAL MUCOADHESIVE GEL PREPARED FROM ZYZIPUS JUJUBE L. - A NEW DIMENSION FOR NONINVASIVE ADMINISTRATION.
Ketousetuo Kuotsu

DD-T-061
ENHANCED ANTITUMOR EFFECT OF INTRAPERITONEALLY INJECTED CPG DNA/CATIONIC LIPOSOME COMPLEX FOR PERITONEAL DISSEMINATION
Yukari Kuramoto, Shigeru Kawakami, Fumiyoshi Yamashita, Mitsuru Hashida

DD-T-062
MODULATION OF *IN VITRO* RELEASE OF HYDROPHILIC DRUGS FROM POLYMERIC MICROSPHERES
Hagar Labouta, Labiba K. El-Khordagui

DD-T-063
DEVELOPMENT OF VERAPAMIL HCL MICROSPHERES USING NEURAL MODELING VERSUS STATISTICALLY-BASED FACTORIAL ANALYSIS
Hagar Labouta, Labiba K. El-Khordagui

DD-T-064
DOWN-REGULATION OF ENDOTOXIN-INDUCED UVEITIS BY INTRAVITREAL INJECTION OF VASOACTIVE INTESTINAL PEPTIDE ENCAPSULATED IN LIPOSOMES
Laure Lajavardi, Amélie Bochot, Serge Camelo, Brigitte Goldenberg, Marie-Christine Naud, Francine Behar-Cohen, Elias Fattal, Yvonne De Kozak

DD-T-065
PREPARATION, CHARACTERISATION AND *IN-VITRO* RELEASE OF VALDECOXIB LOADED MICROSPHERES FOR THE TREATMENT OF FAMILIAL ADENOMATOUS POLYPOSIS (FAP)
Lakshmi Lakshmi, Madhumathi Shesadri

DD-T-066
THE EFFICIENCY OF HYDROPHILIC POLYMERS AS BARRIER COATING AT DIFFERENT RELATIVE HUMIDITIES
Fesia Lestari Laksmana, Paul Jean Antoine Hartman Kok, Herman Vromans, Kees Van der Voort Maarschalk

DD-T-067
IMAGE GUIDED AND TUMOR-TARGETED DRUG DELIVERY SYSTEMS FOR IMPLEMENTATION IN COMBINED MODALITY ANTICANCER THERAPY
Twan Lammers, Peter Peschke, Fabian Kiessling, Peter Huber, Vladimir Subr, Karel Ulbrich,

DD-T-068
ENCAPSULATION AND *IN VITRO* DELIVERY OF AMIKACIN IN HUMAN ERYTHROCYTHES
Jose M. Lanao, Carmen Gutierrez Millan, Bridget Bax, Aranzazu Zarzuelo Castañeda, Maria Luisa Sayalero Marinero, Jose M. Lanao

DD-T-069
POLYSACCHARIDE MULTILAYER MICRO- AND NANOPARTICLES WITH PH-TRIGGERED PROTEIN RELEASE
Natalia Larionova, Nadezhda Balabushevich, Dinara Zubaerova

DD-T-070
EFFECT OF LABRAFIL 2125CS ON THE ORAL BIOAVAILABILITY OF DANAZOL, A POORLY SOLUBLE DRUG COMPOUND
Anne Larsen, René Holm, Mette Pedersen L, Anette Müllertz

DD-T-071
MICROEMULSION-BASED HYDROGEL FORMULATION OF ITRACONAZOLE FOR TOPICAL SKIN DELIVERY.
Eun A Lee, Myeong Jun Choi, Suk-Jae Chung, Chang-Koo Shim, Dae-Duk Kim

DD-T-072
PEPTIDE-BASED LIPOSOMAL TARGETING TO TUMOUR VASCULATURE
Julia Lehtinen, Hannu Peräkylä, Mathias Bergman, Arto Urtti

DD-T-073
CHEMOSELECTIVE PEPTIDE ATTACHMENT TO WELL-DEFINED STAR POLYMER FOR PEPTIDE VACCINE DELIVERY
Ming tao Liang, Michael Monteiro, Istvan Toth

DD-T-074
DISSOLUTION IMPROVEMENT OF MAGNOLOL BY SOLID DISPERSION WITH POVIDONE
Tzu-Yun Liao, Yu-Chi Hou, Su-Lan Hsiu, Hsiu-Mei Chiang, Shang-Yuan Tsai

DD-T-075
A STUDY ON THE FORMULATION OF ORALLY DISSOLVING NICARDIPINE HCL STRIPS
Yung-Kuang Lo, Jui-Chen Kuo, Tong-Rong Tsai, Thau-Ming Cham

DD-T-076
PHASE SEPARATED TRIBLOCK COPOLYMERS OF ?-CAPROLACTONE AND HYDROXYMETHYL GLYCOLIDE FOR TISSUE ENGINEERING AND DRUG DELIVERY APPLICATIONS
Chantal Anna maria Loontjens, Tina Vermonden, Mark Leemhuis, Mies Van Steenbergen, Rene Van Nostrum, Wim Hennink

DD-T-077
MODELING OF CILOSTAZOL ABSORPTION AND PHARMACOKINETICS IN BEAGLE DOGS AND DESIGN OF *IN-VITRO* DISSOLUTION EXPERIMENT TO MODEL THE *IN-VIVO* ABSORPTION
Viera Lukacova, Anand Prabhakaran, Walter Woltosz, Michael Bolger

DD-T-078
DAUNORUBICIN RELEASE FROM BIODEGRADABLE IMPLANTS
Malgorzata Lukawska, Tomasz Ciach, Irena Oszczapowicz, Lukawska Malgorzata

DD-T-079
ABSORPTION OF INSULIN *IN VITRO* (CACO-2 CELLS) USING CHITOSAN AND CHITOSAN DERIVATIVES BOTH IN NANOPARTICLE FORM AND FREE SOLUBLE SOLUTION.
Assal M.M.Sadeghi

DD-T-080
INHIBITORY EFFECTS OF CATIONIZED CATALASE ON RELEASE OF INFLAMMATORY MEDIATORS FROM LPS-STIMULATED RAT ALVEOLAR MACROPHAGES
Fan Ma, Takayuki Nemoto, Shigeru Kawakami, Fumiyoshi Yamashita, Mitsuru Hashida

DD-T-081
DRUG-LOADED BIOMICRODWARF USING GUMMY EXUDATE OF PRUNUS AMYDALIS
Satheesh madhav Madhav, Umashankar Umashankar, Yadav Arvind

DD-T-082
TRANSPORT OF A P-GP SUBSTRATE ACROSS HUMAN AIRWAY AND INTESTINAL EPITHELIAL CELL LAYERS
MICHAELA MADLOVA, CYNTHIA BOSQUILLON, Ben Forbes

DD-T-083
MECHANISTIC STUDIES ON FUNCTIONAL DELIVERY OF NANOPARTICLES TO THE EPIDERMIS
Henriette Baun Madsen, Søren Manniche, Noemi Rozlosnik, Flemming Madsen, Hanne Mørck Nielsen, Peter Ifversen

DD-T-084
TARGETED DELIVERY OF SIRNA TO THE LIVER BY GALACTOSYLATED CATIONIC LIPOSOMES IN MICE
Tadahiro Maeie, Hideyuki Nakanishi, Shigeru Kawakami, Fumiyoshi Yamashita, Mitsuru Hashida

DD-T-085
FORMULATION AND CHARACTERIZATION OF POLYMERIC PLG/PCL INJECTABLE IMPLANT DELIVERY SYSTEM FOR THE CONTROLLED DELIVERY OF CONTRACEPTIVE STEROIDS
Dhanaraju Magharla Dasaratha

DD-T-086
A COMPARATIVE STUDY BETWEEN CHITOSAN AND PLGA FOR THE PREPARATION OF RIFAMPICIN MICROPARTICLES INTENDED FOR DELIVERY BY NEBULIZATION
Maria Letizia Manca, Spyros Mourtas, Vassilios Drakopoulos, Anna Maria Fadda, Sophia G. Antimisiaris

DD-T-087
VISCOELASTIC CHARACTERISATION OF CHITOSAN-XANTHAN POLYIONIC COMPLEX FOR THE FORMULATION OF MICROPARTICLES
Maria Manconi, Maria Letizia Manca, Anna Maria Fadda, Manuel Dolz, Octavio Díez-Sales

DD-T-088
ELECTROSPINNING OF DRUG LOADED POLY(E-CAPROLACTONE) NANOFIBERS : TOWARDS NOVEL DEGRADABLE SMALL-SIZED VASCULAR GRAFTS
Delia Mandracchia, Benjamin Nottelet, Erman Pektok, Suzanne Osorio-da Cruz, Beat Walpoth, Robert Gurny, Michael Möller

DD-T-089
COMPACT LIVING - COMBINING HIGH THROUGHPUT AND HIGH CONTENT DRUG ADMET PROFILING IN A 30 M2 LABORATORY
Katia Marcucci, Marta Bellini, Nicola Caradonna, Silvia Coniglio, Carlo Grava, Elisa Turlizzi, Goran Westerberg, Ugo Zanelli

DD-T-090
DETERMINATION OF TG IN FREEZE-CONCENTRATED XANTHAN GELS.
Kerr Matthews

DD-T-091
ENGINEERING OF THERMOSENSITIVE MUCOADHESIVE GELS FOR OPHTALMIC APPLICATIONS
Laura Mayol

DD-T-092
DEVELOPING AND EVALUATION OF DISCRIMINATING DISSOLUTION MEDIA FOR A POORLY WATER-SOLUBLE DRUG INCLUSION COMPLEXES
Ali Mehramizi, Elham Asgari Monfared, Mojgan Pourfarzib, Farid A.Dorkoosh, Morteza Rafiee Tehrani

DD-T-093
NORTRIPTYLINE SKIN PERMEATION: INFLUENCE OF PH AND PENETRATION ENHANCERS.
Ana Melero, Teresa Mª Garrigues, Octavio Diez, Ulrich Schaefer, Claus-Michael Lehr

DD-T-094
DEVELOPMENT AND EVALUATION OF NOVEL MUCOADHESIVE BUCCAL TABLET OF OXYTOCIN USING CAJANUS CAJAN SEED MUCILAGE
Pulak Kumar Metia, Amal Kumar Bandyopadhyay

DD-T-095
UP-SCALING EXPERIMENTS FOR THE PRODUCTION OF NANOSUSPENSIONS VIA WET-MILLING
Jelte Meulenaar

DD-T-096
INDOMETHACIN-LOADED THERMALLY RESPOSIVE NANOPARTICLES. PREPARATION AND CHARACTERIZATION
Victoria Mihailova, Plamen Iliev, Iliana Berlinova, Lyubomir Ivanov, Stefka Titeva, Rosen Buyukliev, Georgi Momekov

DD-T-097
HUMAN SKIN PERMEATION OF RACEMIC AND OPTICALLY ACTIVE PROPRANOLOL AND PROPRANOLOL SALTS
Paola Minghetti, Francesco Cilurzo, Luisa Montanari, Marco Pallavicini, Ermanno Valoti, Antonella Casiraghi

DD-T-098
CREATION OF TNFR1-SELECTIVE MUTANT TNF USING PHAGE DISPLAY SYSTEM
Kyoko Minowa, Shibata Hiroko, Abe Yasuhiro, Nonura Tetsuya, Nabeshi Hiromi, Fujita Takuya, Yamamoto Akira, Yoshioka Yasuo, Tsunoda Shin-ichi, Kamada Haruhiko, Tsutsumi Yasuo

DD-T-099
NOVEL FUNCTIONALIZED POLY(LACTIDES) FOR DRUG DELIVERY
Michael Möller, Thomas Trimaille, Karine Mondon, Benjamin Nottelet, Robert Gurny

DD-T-100
EFFECTS OF AMPHIPHILIC COPOLYMERS BEARING SHORT BLOCKS OF LIPID-MIMETIC UNITS ON THE MEMBRANE PROPERTIES AND MORPHOLOGY OF DSPC LIPOSOMES
Denitsa Momekova, Stanislav Rangelov, Nikolay Lambov, Mats Almgren

DD-T-101
NOVEL HEXYL SUBSTITUTED POLYLACTIDE MICELLES AS DRUG CARRIERS OF POORLY SOLUBLE DRUGS.
Karine Mondon, Robert Gurny, Michael Möller

DD-T-102
EFFECT OF IONTOPHORESIS ON THE DRUG CONCENTRATION-DISTANCE PROFILE IN SKIN.
Yuichiro Mori, Akiko Miyake, Tohru Okamoto, Kenji Sugibayashi

DD-T-103
AUTOMATED PERMEABILITY ASSESSMENT OF FUROSEMIDE TABLETS COMBINING A FLOW THROUGH DISSOLUTION CELL AND CACO-2 MONOLAYERS
Stephan Motz, Marco Muendoerfer, Ulrich Schaefer, Claus-Michael Lehr

DD-T-104
SCREENING A NOVEL PEPTIDE LIGAND FOR ADIPOSE TARGETING AND CAVEOLAE TARGETING
Diky Mudhakir, Hidetaka Akita, Hideyoshi Harashima

DD-T-105
EFFICIENT GENE TRANSFER INTO THE SPLENIC DENDRITIC CELLS BY MECHANICAL MASSAGE
Hidefumi Mukai, Shigeru Kawakami, Fumiyoshi Yamashita, Mitsuru Hashida

DD-T-106
SUSTAINED-RELEASE MATRIX TABLETS FORMULATIONS OF METFORMIN HYDROCHLORIDE COMBINED WITH TRIACETYL-?-CYCLODEXTRIN
Paola Mura, Giovanna Corti, Francesca Maestrelli, Marzia Cirri

DD-T-107
OPTIMIZATION OF FORMULATION PARAMETERS OF BENZOCAINE-LOADED LIPOSOMES USING EXPERIMENTAL DESIGN
Paola Mura, Gaetano Capasso, Francesca Maestrelli, Sandra Furlanetto

DD-T-108
HOW TO IMPROVE THE STORAGE STABILITY OF AQUEOUS CONTROLLED RELEASE FILM COATINGS
Susanne Muschert, Florence Siepmann, Bruno Leclercq, Brian Carlin, Juergen Siepmann

DD-T-109
STATISTICAL OPTIMIZATION OF AN EXTENDED RELEASE OLEAGINOUS FORMULATION FOR INTRAMUSCULAR USE USING 32 FACTORIAL DESIGN
Sumedha Nadkar, Kamalinder Singh

DD-T-110
CYTOTOXICITY OF CHITOSAN-COATED PLGA NANOPARTICLES FOR DNA/RNA DELIVERY
Noha Nafee, Marc Schneider, Claus-Michael Lehr

DD-T-111
CONTROL OF ANTIGEN PRESENTATION WITH LIPOSOMES IN DENDRITIC CELLS
Takashi Nakamura, Rumiko Moriguchi, Kentaro Kogure, Hideyoshi Harashima

DD-T-112
A SIMPLE METHOD FOR RADIOLABELING PH SENSITIVE LIPOSOMES.
Gabriela Navarro, Victoria Trindade, Pablo Cabral, Marcelo Fernández, Paola Audicio, Emilia Rezzano, Antonio Malanga, Omar Martin, María José Morilla, Eder Romero, Henia Balter, Eduardo Savio

DD-T-113
IN VITRO TESTING OF SOME IMPLANT LIKE STRUCTURES
Johny Neamtu, Octavian Croitoru, Ludovic Bejenaru, Sanda Mihaela Popescu, Mihaela Baniceru, Florica Popescu

DD-T-114
DEVELOPMENT OF A NEAR INFRARED METHOD TO DETERMINE WATER CONTENT, MEDIAN GRANULE SIZE AND AMORPHISM OF GRANULES DURING FLUID BED DRYING
Florentine Nieuwmeyer, Michiel Damen, Ad Gerich, Kees Van der Voort Maarschalk, Herman Vromans

DD-T-115
MONITORING OF BREAKAGE PHENOMENA IN FLUID BED DRYING WITH NEAR INFRARED SPECTROSCOPY (NIRS)
Florentine Nieuwmeyer, Kees Van der Voort Maarschalk, Herman Vromans

DD-T-116
FORMATION OF FINE COENZYME Q10 PARTICLE BY KNEADING AND CO-GRINDING WITH GAMMA-CYCLODEXTRIN
Katsunori Nishimura, Taishi Higashi, Masayo Arizono, Miyuki Hoshikawa, Fumitoshi Hirayama, Kaneto Uekama, Hidetoshi Arima

DD-T-117
CONTROLLED RELEASE OF DRUGS FROM MULTI-COMPONENT DEVICE
Dominique Nizet

DD-T-118
DETERMINANTS FOR *IN-VIVO* ANTI-TUMOR EFFECTS OF PEGYLATED-LIPOSOMAL DOXORUBICIN: IMPORTANCE OF EXTENT OF VASCULARITY AND MICROVASCULAR PERMEABILITY WITHIN TUMORS
Ken-ichi Ogawara, Keita Un, Keiko Minato, Kazutaka Higaki, Toshikiro Kimura

DD-T-119
EVALUATION OF CELLULAR UPTAKE CHARACTERISTICS OF MANNOSE MODIFIED SEMICONDUCTOR NANOCRYSTAL QUANTAM DOTS IN PRIMARY CULTURED MACROPHAGES
Machiko Oka, Yuriko Higuchi, Shigeru Kawakami, Mitsuru Hashida

DD-T-120
EFFECTIVE BITTERNESS EVALUATION OF FAMOTIDINE ORALLY DISINTEGRATING TABLETS BY A TASTE SENSOR
Mitsuyoshi Okamoto, Sunada Hisakazu, Nakano Michiko, Nishiyama Ryoko

DD-T-121
DEVELOPMENT OF INTRAMAMMARIAL FORMULATIONS FOR DAIRY COWS
Siriporn Okonogi

DD-T-122
NANOPARTICLES OF GALLIC ACID
Siriporn Okonogi

DD-T-123
NANOPARTICLES OF GALLIC ACID
Siriporn Okonogi, Wasana Chaisri, Siriphen Simphrarach, Buntita Sangsittisuk, Chadarat Duangrat, Siriporn Okonogi

DD-T-124
DEVELOPMENT OF NOVEL POLYMERIC MICELLE FORMULATIONS FOR TARGETED DELIVERY OF N-(4-HYDROXYPHENYL)RETINAMIDE
Tomoyuki Okuda, Shigeru Kawakami, Tatsuhiro Yamamoto, Masayuki Yokoyama, Mitsuru Hashida

DD-T-125
SURFACE-MODIFIED LYSINE DENDRIMERS FOR TUMOR SELECTIVE TARGETING AFTER INTRAVENOUS ADMINISTRATION IN MICE
Tatsuya Okuda, Kumiko Terai, Shigeru Kawakami, Fumiyoshi Yamashita, Mitsuru Hashida

DD-T-126
THE USE OF HYPERDSC TO MEASURE IBUPROFEN SOLUBILITY IN SEMI-SOLIDS
Gbolahan Samuel Oladiran, Hannah Katherine Batchelor

DD-T-127
THE USE OF HYPER-DSC TO STUDY THE INFLUENCE OF THE PHYSICOCHEMICAL CHARACTERISTICS ON THE SOLUBILITY OF SELECTED NSAIDS IN A WAX MATRIX.
Gbolahan Samuel Oladiran, Hannah Katherine Batchelor

DD-T-129
STRATEGIES TO IMPROVE THE ENDOSOMAL ESCAPE OF SIRNA AND ENHANCE THE KNOCKDOWN OF EGFR
Sabrina Oliveira

DD-T-130
DEOXYIBONUCLEASE I (DNASEI) DRY POWDER FOR INHALATION PREPARED BY MILD SPRAY DRYING CONDITIONS
Rihab Osman, Pei Lee Kan, Gehanne Awad, Nahed Mortada, Abdelhamid EL-Shamy, Oya Alpar

DD-T-131
SYNTHESIS AND CHARACTERIZATION OF HYPERBRANCHED POLYGLYCEROL HYDROGELS
Marion Oudshoorn, R. Rissmann, J.A. Bouwstra, Wim E. Hennink

DD-T-132
THE EX-VIVO PERMEATION AND ANTIFUNGAL ACTIVITY STUDIES OF CHITOSAN GELS INCORPORATED WITH TERBINAFINE HYDROCHLORIDE
Ipek Özcan, Buket Aksu, Özlem Abaci, Alev Haliki, Sevda Senel, Özgen Özer, Tamer Guneri

DD-T-133
BONE UPTAKE OF 99MTC-ALENDRONATE FROM RECTAL, ORAL AND IV ROUTES IN RABBITS
Ipek Özcan, Makbule Asikoglu, Isik Özgüney, Oya Örümlü, Tamer Guneri, Kamil Köseoglu, Hayal Özkilic

DD-T-134
IN VITRO AND *IN VIVO* STUDIES ON ONDANSETRON HCL LOADED BIODEGRADABLE MICROSPHERES
Yildiz Ozsoy

DD-T-135
TEMPERATURE SENSITIVE POLYMER-COATED LIPOSOMES FOR TRIGGERED DRUG DELIVERY
Lauri Paasonen, Birgit Romberg, Gert Strom, Arto Urtti, Wim E. Hennink

DD-T-136
PLGA:POLOXAMER NANOCARRIERS FOR THE MUCOSAL DELIVERY OF THE RECOMBINANT HEPATITIS B SURFACE ANTIGEN
Patrizia Paolicelli, Cecilia Prego, Alejandro Sanchez, Maria José Alonso

DD-T-137
ULTRADEFORMABLE VESICLES AND SOLID LIPID NANOPARTICLES: VESICULAR VERSUS PARTICELLAR CARRIERS FOR PERCUTANEOUS ADMINISTRATION OF LIPOPHILIC AND HYDROPHILIC DRUGS.
Donatella Paolino, Cilurzo Felisa, Maria Graziao Calvagno, Iannone Michelangelo, Fresta Massimo

DD-T-138
IN VIVO AND *IN VITRO* EVALUATION OF ULTRADEFORMABLE LIPOSOMES CONTAINING A NATURAL COMPOUND AMMONIUM GLYCYRRHIZINATE.
Donatella Paolino, Cilurzo Felisa, Donato Cosco, Celia Christian, Fresta Massimo

DD-T-139
QUANTATITIVE DELIVERY OF PLASMID DNA ENCODING PORCINE IL-18 USING CATIONIC EMULSION
Jeong-Sook Park, Kang Hyun-Suk, Jin Shun-Ji, Kim Seul-Ah, Kang Joon-Woo, Myung Pyung-Geun, Myung Chang-Seon, Hwang Sung-Joo

DD-T-140
ORAL TRANSMUCOSAL DELIVERY OF SALBUTAMOL SULPHATE
Rajesh Patel

DD-T-141
RADIOLABELING OF OXYTOCIN ACETATE WITH TECHNETIUM (99MTC)
Rajesh Patel, Sushil Kumar Poddar

DD-T-142
CONTROLLING DRUG RELEASE FROM LIPOSOME TRAPPING GELATIN-CARBOXYMETHYLCELLULOSE CROSSLINKED MATRICES
Catalina Peptu, Marcel Popa, Sophia G. Antimisiaris

DD-T-143
MIXTURE DESIGN EVALUATION OF DRUG RELEASE FROM MATRICES CONTAINING CARBOMER AND HPMC
Aleksandra Petrovic, Nebojsa Cvetkovic, Svetlana Ibric, Svetlana Trajkovic, Zorica Djuric

DD-T-144
IMMUNOLOGICAL STABILITY OF JAPANESE ENCEPHALITIS ANTIGEN IN VARIOUS SOLUTIONS
Wiwat Pichayakorn, Seeopa Suksiengsri, Vimolmas Lipipun, Garnpimol C. Ritthidej

DD-T-145
AN INVESTIGATION INTO THE VISCOELASTIC PROPERTIES OF KOLLICOAT SR30D POLYMER FILMS *IN-SITU* ON PHARMACEUTICAL PELLETS USING DYNAMIC MECHANICAL ANALYSIS
Jan Pick-Katolik

DD-T-146
IN VITRO ANTICANCER ACTIVITY OF PACLITAXEL-LOADED PLGA NANOPARTICLES
Rosario Pignatello, Teresa Musumeci, Luisa Vicari, Ignazio Giannone, Luana Adamo, Massimo Gulisano, Giovanni Puglisi

DD-T-147
GAMMA SCINTIGRAPHY OF KETOPROFEN MATRIX TABLETS
Maria Eugénia Pina, Manuel Vueba, Paulo Lourenço, Adriano Rodrigues

DD-T-148
PREPARATION AND CHARACTERIZATION OF BSA-LOADED CHITOSAN NANOPARTICLES
Onur Pinarbasli, Meltem Cetin, Yesim Aktas, Yilmaz Capan

DD-T-149
EVALUATION OF THE LECTIN BINDING PATTERN TO THE PERICELLULAR MATRIX OF C-28/I2 AND T/C-28A2 CHONDROCYTES
Verena Elisabeth Plattner, Nicole Harrer, Alexander Hifnawy, Frank M. Unger, Helmut Viernstein, Mary B. Goldring, Franz Gabor, Michael Wirth, Stefan Toegel

DD-T-150
DEVELOPMENT OF AN ORAL MULTI-PARTICULATE FORMULATION OF VIABLE, RECOMBINANT LACTOCOCCUS LACTIS BY FLUID-BED LAYERING ON INERT CARRIERS
Nele Poelvoorde, Nathalie Huyghebaert, Chris Vervaet, Jean Paul Remon

DD-T-151
PREPARATION AND CHARACTERIZATION OF INSULIN NANOPARTICLES USING CHITOSAN AND ITS QUATERNIZED DERIVATIVES
Akbar Bayat, Bagher Larijani, Hans E. Junginger, Morteza Rafiee Tehrani

DD-T-152
IN VITRO EVALUATION OF CYSTEAMINE HYDROCHLORIDE VISCOUS SOLUTIONS FOR THE TREATMENT OF CORNEAL CYSTINOSIS
Bayat, Larijani, Junginger, Rafiee Tehrani

Medicinal Chemistry and Natural Products

MC-T-001
A NEW HERBAL COLORANT FROM INDIAN PLANT
KAPIL KHAMBHOLJA, PRICELLA D'MELLO, MADHABHAI PATEL

MC-T-002
STUDY OF IMMUNOMODULATORY ACTIVITY OF THE ACTIVE FRACTION OF FICUS BENGHALENSIS
Tabassum Khan, Pratima Tatke, Satish Gabhe

MC-T-003
PHYTOCHEMICAL EVALUATION AND FREE RADICAL SCAVENGING PROPERTIES OF BABOOL PODS
Tabassum Khan, Pratima Tatke, Satish Gabhe

MC-T-004
EXPLORING MECHANISMS OF THE WHITENING EFFECT OF KC-5TA AND KC-5TB, EXTRACTS OF PSYCHOTRIA SERPENS L.
Yi-Ling Ko, Chung-Lan Yu, Hsiu-Mei Chiang, Kuo-Ching Wen

MC-T-005
SYNTHESIS AND BIOLOGICAL ACTIVITIES OF EPOLACTAENE
Susumu Kobayashi, Kouji Kuramochi

MC-T-006
DISCRIMINANT MODELS OF DOPAMINERGIC, SEROTONINERGIC AND MUSCARINIC ACTIVITY OF SELECTED DRUGS
Grazyna Koska, Elzbieta Brzezinska

MC-T-007
MEDICAL DATA ANALYSIS WITH APPLICATION OF CHEMOMETRICS METHODS
Jerzy Krysinski, Adam Bucinski

MC-T-008
MEDICAL DATA ANALYSIS WITH APPLICATION OF CHEMOMETRICS METHODS
Jerzy Krysinski, Adam Bucinski

MC-T-009
SYNTHESIS, ANTIBACTERIAL AND QSAR ANALYSIS OF 4-(METHYLTHIO) AND 4-(SULFONYLMETHYL) CHALCONES.
Siva Kumar, Mukesh Doble

MC-T-010
COMPARATIVE QSAR STUDY OF ANTI-HIV HEPT ANALOGUES BASED ON SHUFFLING-ADAPTIVE NEURO FUZZY INFERENCE SYSTEM AND ARTIFICIAL NEURAL NETWORKS
Anahita Kyani, Mehdi Jalali-Heravi

MC-T-011
NATIVE FLAVONOIDS FOR ANTI-INFLAMMATORY TREATMENT BY SELECTIVE INHIBITION OF HUMAN SECRETORY PHOSPHOLIPASE A2
Jens Laettig, Markus Böhl, Petra Fischer, Sandra Tischer, Claudia Tietböhl, Herwig Gutzeit, Peter Metz, Maria Teresa Pisabarro

MC-T-012
QUANTITATIVE STRUCTURE-ACTIVITY RELATIONSHIP (QSAR) OF INDOLOACETAMIDES AS INHIBITORS OF HUMAN ISOPRENYLCYSTEINE CARBOXYL METHYLTRANSFERASE
Jo Lene Leow, Rudi Baron, Patrick J Casey, Mei Lin Go

MC-T-013
TOWARD TARGETED PHOTODYNAMIC THERAPY - PEPTIDE CONJUGATES
Vered Lev-Goldman, Brenda Mester, Lev Weiner, Nurit Ben-Aroya, Yitzhak Koch, Mati Fridkin

MC-T-014
COMPARISON OF PUERARIAE RADIX AND ITS HYDROLYSATE ON STIMULATION OF HYALURONIC ACID PRODUCTION IN NHEK CELLS
Tsen-Jung Lin, Chung-Ping Yu, Shiuan-Pey Lin, Kuo-Ching Wen

MC-T-015
OXIDATION OF NADP(H) BY DOXORUBICIN AND ITS FORMAMIDINO DERIVATIVES IN FOUR OXIDOREDUCTASE SYSTEMS
Malgorzata Lukawska, Kik Krzysztof, Lukawska Malgorzata, Irena Oszczapowicz, Szmigiero Leszek

MC-T-016
NEW METHODS OF SYNTHESIS OF AMIDINOANTHRACYCLINES
Malgorzata Lukawska, Lukawska Malgorzata, Irena Oszczapowicz, Agnieszka Owoc, Janusz Oszczapowicz

MC-T-017
EFFECT OF VARIOUS FRACTIONS OF BACOPA MONNIERI LINN. AERIAL PARTS ON ETHANOL-INDUCED HEPATOTOXICITY IN RATS
Tapan Kumar Maity, Ghosh Tirtha

MC-T-018
EFFECT OF ICHNOCARPUS FRUTESCENS EXTRACT ON ANTIHYPERGLYCEMIC, ANTIHYPERLIPIDEMIC AND ANTIOXIDANT STATUS IN STREPTOZOTOCIN-INDUCED DIABETIC RATS
Tapan Maity, Deepak Dash, Veerendra Yeligar, Murugesh Kandasamy

MC-T-019
QUALITATIVE AND QUANTITATIVE ANALYSIS OF THE CANNABINOID CONTENT OF COMBUSTED CANNABIS PLANT TISSUE.
Gordon McKay, Aaron Jaeck, Mark Hetherington, Kamal K. Midha

MC-T-020
ASSESMENT OF HYPOLIPIDEMIC ACTIVITY AND DELINEATING THE MECHANISM OF ACTION OF ROOTS OF PLUMBAGO ZEYLANICA IN DIET INDUCED RAT MODEL
Sushma Mengi, Sudha Pendurkar

MC-T-021
CYTOTOXICITY, PROAPOPTOTIC ACTIVITY AND CELLULAR ACCUMULATION OF NOVEL PLATINUM(III) AND GOLD(II) HEMATOPORPHYRIN IX COMPLEXES
Georgi Momekov, Daniela Tsekova, Galina Gencheva, Margarita Karaivanova, Panayot R. Bontchev

MC-T-022
2D-QSAR ANALYSIS OF SOME REPORTED 2-PYRIDINONES AS NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITORS (NNRTIS)
Vikash Mshra, Sushil Kashaw, Vishnukant Mourya, Pradeep Mishra

MC-T-023
2D-QSAR ANALYSIS OF SOME 2-PYRAZO-LINES AS MONO-AMINE OXIDASE INHIBITORS
Vikash Mshra

MC-T-024
A NEW POTENTIAL RADIOPHARMACEUTICAL PRODUCT FOR TUMOUR DIAGNOSE: PAMAM G4 DENDRIMERS LABELED WITH 99MTCTRICARBONYL.
Gabriela Navarro, Pablo Cabral, Paola Audicio, Victoria Trindade, Marcelo Fernández, Juan Pablo Gambini, Emilia Rezzano, Jimena Prieto, María José Morilla, Ana Robles, Eder Romero, Henia Balter

MC-T-025
QSAR STUDY OF ALPHA-TOCOPHEROL AND CHOLESTEROL ANALOGS WITH ANTIPROLIFERATIVE ACTIVITY AGAINST HUMAN BREAST ADENOCARCINOMA CELLS
Katarina Nikolic, Danica Agbaba

MC-T-026
THEORETICAL STUDY OF PHENOLIC ANTIOXIDANTS PROPERTIES IN REACTION WITH NITROGEN AND OXYGEN CENTERED RADICALS
Katarina Nikolic, Danica Agbaba

MC-T-027
BIORESPONSE REGULATORS DERIVED FROM THALIDOMIDE
Tomomi Noguchi, Hisayoshi Kobayashi, Hiroyuki Miyachi, Yuichi Hashimoto

MC-T-028
COMPUTATIONAL DRUG DESIGN BY LARGE SCALE COMBINATORIAL SUBSTITUTION OF CHEMICAL GROUPS ON THE SCAFFOLD OF BOUND LEAD COMPOUNDS
Koji Ogata, Tetsu Isomura, Shinji Kawata, Hiroshi Yamashita, Hideo Kubodera, Shoshana J. Wodak

MC-T-029
STRUCTURE - ACTIVITY RELATIONSHIP AND NEUROTOXICITY STUDIES WITH THE MAO-B SUBSTRATE, 1-METHYL-3-PHENYL-3-PYRROLINE.
Modupe Olufunmilayo Ogunrombi, Jacobus Petzer, Jacobus Bergh

MC-T-030
THE PREPARATION OF CAFFEINE ANALOGUES AS REVERSIBLE INHIBITORS OF MONOAMINE OXIDASE B.
Modupe Olufunmilayo Ogunrombi, Sarel Malan

MC-T-031
OPTIMISATION OF CONDITIONS AFFECTING DIRECT BIOAUTOGRAPHY ASSAY FOR ANTIMICROBIAL COMPOUNDS AGAINST GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA
Päivi Oinonen, Karoliina Sainio, Aila Mettälä, Annele Hatakka, Heikki Vuorela, Pia Vuorela

MC-T-032
ANTI-ROTAVIRUS POLYSACCHARIDES IN PANAX GINSENG
Jeong Hill Park, Seung Hoon Baek, Jae Sung Pyo, Sung Won Kwon

MC-T-033
DIFFERENTIAL CYTOTOXICITY OF RENIERAMYCIN M ON NORMAL AND CANCEROUS CELL LINES
Thitima Pengsuparp, Phimramphai Saengin, Suree Jianmongkol, Khanit Suwanborirux

MC-T-034
IN VITRO ANTI-ANDROGENIC EFFECT OF THE PLANT EXTRACTS IN GINGER FAMILY
Ganniga Pumthong

MC-T-035
CHITOSAN AS A PHARMACEUTICAL EXCIPIENT: A MICROBIOLOGICAL POINT OF VIEW
Dina Raafat, Hans-Georg Sahl

Pharmaceutical Analysis, Bioanalysis, Quality Assurance/ Control and Regulatory Affairs

PA-T-001
THE POTENTIAL ANTILEISHMANIAL EFFECTS OF THREE MEDICINAL PLANTS
Ali Eltayeb

PA-T-002
BIOCOMPATIBILITY OF SUPPORTS FOR HIGH-THROUGHPUT TOXICITY ASSAYS
Iris Güll, Steffen Howitz, Heinz Wanzenboeck, Franz Gabor, Michael Wirth

PA-T-003
PREPARATION OF MOLECULARLY IMPRINTED POLYMER FOR (R)-NILVADIPINE AND ITS APPLICATION TO EFFICIENT ENANTIOSEPARATION OF NILVADIPINE
Jun Haginaka, Aya Futagami, Kaori Hoshina

PA-T-004
ESTIMATION OF LIPOPHILICITY USING PH-METRIC, SHAKE FLASK AND CHROMATOGRAPHIC METHODS
Eleonore Haltner-Ukomadu, Mohamed Tawfik Jalal, Udo Bock, Klaus-Jürgen Steffens

PA-T-005
SIMULTANEOUS DETERMINATION OF GALACTOSE AND GALACTOSE-1-PHOSPHATE IN HUMAN BLOOD BY HIGH-PERFORMANCE ANION-EXCHANGE CHROMATOGRAPHY COUPLED WITH PULSED AMPEROMETRIC DETECTION FOR DIAGNOSIS OF GALACTOSEMIA
Ji Seon Jeong, Ha Jeong Kwon, Sun Ja Chang, Hyo Geun Kim, Byung Youn Kim, Seon-Pyo Hong

PA-T-006
UTILITY OF UPLC/PDA/MS FOR IMPURITY PROFILING COMPARISON OF VARIOUS MANUFACTURER'S BUDESONIDE ANALYTICAL REFERENCE SUBSTANCES.
Michael Jones

PA-T-007
AN AGGRESSIVE REPORT ON PET-TRACER SYNTHESIS AT A PIONEER HOSPITAL IN JAPAN.
Masato Kaji, Masato Asakura, Shinji Kosaka, Hitoshi Kawazoe, Masaki Ninomiya, Noriyasu Fukuoka, Hitoshi Houchi

PA-T-008
FLUORIMETRIC METHOD DEVELOPED FOR PAPAIN DOSAGE IN ADHESIVES FORMULATION
Telma Mary Kaneko, Gabriele Ruas, Claudinéia Aparecida Sales de Oliveira Pinto, Fabio Kendi Tamaki, Patricia Santos Lopes, Maria Valéria Robles Velasco, Terezinha de Jesus Andreoli Pinto

PA-T-009
A HIGH-PERFORMANCE LIQUID CHROMATOGRAPHIC ASSAY FOR THE DETERMINATION OF DICLOFENAC SODIUM IN INJECTIONS
Tabassum Khan, Pratima Tatke, Satish Gabhe

PA-T-010
A COMPARISON OF CHEMOMETRIC METHODS FOR THE SIMULTANEOUS SPECTROPHOTOMETRIC DETERMINATION OF PARACETAMOL, PHENYLEPHRINE AND CHLORPHENIRAMINE IN PHARMACEUTICAL DOSAGE FORMS
Mohammad Reza Khoshayand, Hamid Abdollahi, Mohammad Shariatpanahi

PA-T-011
CHANGES OF PHYSIOLOGICAL PARAMETERS AND LIPID COMPOSITION IN PHARMACEUTICAL TRIGONELLA UNDER OSMOTIC STRESSES
Armita Kyani, Vahid Niknam

PA-T-012
APPLICATION OF HPLC AND HPTLC FOR THE SIMULTANEOUS DETERMINATION OF TIZANIDINE AND VALDECOXIB IN PHARMACEUTICAL DOSAGE FORM
Lakshmi Lakshmi

PA-T-013
MATRIX EFFECTS AND ION SUPPRESSION IN TANDEM MASS SPECTROMETRY
Gordon McKay, Mark Hetherington, Kamal K. Midha

PA-T-014
DEVELOPMENT AND VALIDATION OF AN LC-UV METHOD FOR THE PURITY DETERMINATION OF HI-6 DIMETHANESULPHONATE
Anne Mendes

PA-T-015
DEVELOPMENT AND VALIDATION OF AN LC-UV METHOD FOR THE QUANTIFICATION AND PURITY DETERMINATION OF HI-6 DIMETHANESULPHONATE.
Anne Mendes

PA-T-016
DEVELOPMENT AND VALIDATION OF A NOVEL GENERIC UPLC/MS/MS METHOD FOR HIGH THROUGHPUT ANALYSIS IN DRUG DISCOVERY.
Jurgen Mensch, Mark Noppe, Jef Adriaensen, Anouche Melis, Claire Mackie, Koen Vanhoutte, Patrick Augustijns, Marcus Brewster

PA-T-017
INDIAN PATENT ACT (AMENDMENT DECEMBER 2005); IMPACT ON INDIAN PHARMACEUTICAL INDUSTRY
Anantha Naik Nagappa, Mishra Satyvadi B, Kotapati Srikanth, I. Srikrishnaanjaneyulu, Parimala R

PA-T-018
TIGHTNESS CHARACTERISATION OF A BLOOD-BRAIN BARRIER *IN VITRO* MODEL BASED ON HUMAN CELL LINE ECV304
Winfried Neuhaus, Verena Plattner, Michael Wirth, Bettina Germann, Bodo Lachmann, Franz Gabor, Christian R. Noe

PA-T-019
RAPID EXPANSION SYNDROME IN PHARMACEUTICAL INDUSTRIES WITHIN THE DEVELOPING COUNTRIES.
Ifeanyi Eric Okoye

PA-T-020
ANALYTICAL COMPARISONS OF CERTAIN ERYTHROPOIETIN PRODUCTS FROM ASIA AND AMGEN S EPOGEN (EPOETIN ALFA)
SungAe Park, Ketaki Patel, Jason Ko, David Meriage, Louise Chen, Jill Crouse, Wendy Wong, Bruce Kerwin

Pharmaco-epidemiology and Pharmacovigilance

PE-T-001
DIFFERENCES IN PERCENTAGE LOW DENSITY LIPOPROTEIN CHOLESTEROL (LDL-C) REDUCTION AND GOAL ATTAINMENT AMONG NEWLY INITATED USERS OF STATINS IN A REAL LIFE SETTING
Edith Heintjes, Mark W. Hirsch, John C. O'Donnell, Ron M.C. Herings

PE-T-002
FACTORS AFFECTING THE CO-USE OF CHINESE MEDICINE AND WESTERN MEDICINE: A SURVEY IN A MEDICAL CENTER OF CENTRAL-TAIWAN
Bao-Lien Hung, Fei-Na Chen

PE-T-003
PRESCRIBING PATTERN OF ANTIHYPERLIPIDEMIC DRUGS AND THEIR EFFECTS ON REDUCTION OF LIPID LEVELS IN A UNIVERSITY HOSPITAL
Narumol Jaremsiripornkul, Wanwilai Loalakkana, Chutima Wannadit, Nantiya Kongfeungfung, Waraporn Unchantuk

PE-T-004
PERSISTENCE WITH TIOTROPIUM: A COMPARISON WITH ESTABLISHED MEDICATIONS FOR COPD
Jeroen Koerselman, Nancy S. Breekveldt-Postma, Joëlle A. Erkens, Dan Pettitt, Susan F. Anton, Ron M.C. Herings

PE-T-005
STABILITY TESTING AND HALF LIFE DETERMINATION OF HERBAL PREPARATIONS: A WAY OUT.
Jacob Kolawole, Adedinego Jabil

PE-T-006
SELF-REPORTED MULTIPLE DRUG USE (POLYPHARMACY) IN TEN EUROPEAN COUNTRIES: THE SHARE STUDY
Teresa Leonardo Alves, J.P. Mackenbach, Mauricio Avendaño

PE-T-007
CHANGES IN DRUG UTILIZATION ON DIABETIC AND HYPERTENSIVE OUTPATIENT PRESCRIPTIONS FOLLOWING THE GLOBAL BUDGET PROGRAM IN TAIWAN
Yeh M.K, C.C Chou

PE-T-008
PATIENTS AT RISK OF POSTOPERATING NAUSEA AND VOMITING (PONV): EVALUATION OF A PREDICTIVE SCORE.
Marilyne Mottier

PE-T-009
ADVERSE DERMATOLOGICAL REACTIONS THAT APPEAR DURING THE TREATMENT WITH IFN ON PACIENTS WITH CHRONIC HEPATITIS
Johny Neamtu, Barcan Mariana, Iuliana Georgescu, Florica Popescu

PE-T-010
ANTIBIOTIC STEWARDSHIP PROGRAM POLICIES AND ANTIBIOTIC USE IN 13 U.S. ACADEMIC HEALTH CENTERS
Amy Pakyz, J Patrick Powell

PE-T-011
EFFECT OF PHARMACIST INPUT ON METABOLIC CONTROL IN MUSLIM DIABETES OUTPATIENTS
Juraporn Pongwecharak, Saowanee Phumiphamorn, Suchada Sooraphan, Sutthiporn Pattarachayakul

PE-T-012
DETERMINATION OF ARBUTIN IN BERGENIA CRASSIFOLIA L. LEAVES AND DIGITALIS PURPUREA L. *IN VITRO* CELL CULTURES BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY WITH MASS SPECTROMETRY DETECTION
Carmen Elena Pop, Laurian Vlase, Mircea Tamas, Sorin E. Leucuta

PE-T-013
DRUGSTORE PERSONNEL S MANAGEMENT OF A TUBERCULOSIS SUSPECT; CONSIDERATION OF ACTUAL AND PERCEIVED MANAGEMENT
Malee Rojpibulstit, Virasakdi Chongsuvivatwong

PE-T-014
SELECTIVE SEROTONIN REUPTAKE INHIBITORS INCREASE THE RISK OF NONGASTROINTESTINAL BLEEDING IN USERS OF ACENOCOUMAROL OR PHENPROCOUMON.
Tom Schalekamp, Olaf H Klungel, Patrick C Souverein, Anthonius De Boer

PE-T-015
MEDICATION ERRORS AND HUMAN FACTORS IN MEDICATION USE SAFETY
Philip Schneider

Pharmacokinetics and Pharmacodynamics

KD-T-001
A POPULATION PHARMACOKINETIC MODEL FOR THE MONOCLONAL ANTIBODY MATUZUMAB
Katharina Kuester, Andreas Kovar, Brigitte Brockhaus, Charlotte Kloft

KD-T-002
DIRECT EFFECTS OF GLUTATHIONE ON CONTRACTION OF VASCULAR SMOOTH MUSCLE
Pichaya Laiwichit, Prasan Dhumma-upakorn, Suree Jianmongkol

KD-T-003
DIRECT EFFECTS OF GLUTATHIONE ON CONTRACTION OF VASCULAR SMOOTH MUSCLE
Pichaya Laiwichit, Prasan Dhumma-upakorn, Suree Jianmongkol

KD-T-004
TIME-KILL AND POST-ANTIFUNGAL EFFECTS (PAFE) OF VORICONAZOLE (VORI) AGAINST CANDIDA CLINICAL STRAINS: VERIFYING EXPERIMENTAL VALIDITY BY DETERMINATION OF VORI CONCENTRATIONS USING HPLC
Yanjun Li, Cornelius J. Clancy, Minh-Hong Thi Nguyen, Hartmut Derendorf

KD-T-005
A STUDY ON *IN VITRO-IN VIVO* CORRELATIONS OF MEFENAMIC ACID CAPSULES
Han-Kuei Liu, Sung-En Chen, Thau-Ming Cham

KD-T-006
MONTE CARLO SIMULATIONS FOR THE STUDY OF DRUG RELEASE FROM MATRICES WITH HIGH AND LOW DIFFUSIVITY AREAS.
Panos Macheras, Kosmas Kosmidis

KD-T-007
AN *IN VITRO* AND *IN-VIVO* EVALUATION OF THE POTENTIAL MANIDIPINE - STATINS INTERACTIONS
Fabrizia Mariotti, Paola Puccini, Daniele Spinabelli, Andrea Francesco Daniele Di Stefano

KD-T-008
TOPOLOGICAL ANALYSIS FOR THE DRUG-BINDING SITES ON THE GENETIC VARIANTS OF HUMAN ALPHA 1-ACID GLYCOPROTEIN
Toru Maruyama, Megumi Ueno, Koji Nishi, Yuka Murakami, Naoko Fukunaga, Teruo Akuta, Hiroshi Watanabe, Ayaka Suenaga, Masaki Otagiri

KD-T-009
DETERMINATION OF DRUG - ?1-ACID GLYCOPROTEIN INTERACTIONS VIA FLUORESCENCE POLARIZATION MEASUREMENTS
Ulf Mathias, Manfred Jung

KD-T-010
DEGENERATED PHARMACOKINETIC MODELS FOR NICERGOLINE METABOLITES
Constantin Mircioiu, Flavian Radulescu, Dalia Miron, Roxana Sandulovici, Bruno Velescu

KD-T-011
HOW DOES METOPROLOL ENHANCE THE HYPOTENSIVE EFFECT OF PRAZOSIN IN SHRS? - PK-PD ASSESSMENT BASED ON RESPONSE OF SYMPATHETIC NERVOUS SYSTEM
Makoto Miyazaki, Shin-ya Naruhashi, Shinji Sato, Ken-ichi Watanabe, Kazunori Iwanaga, Masawo Kakemi

KD-T-012
PHARMACOKINETIC AND PHARMACODYNAMIC INVESTIGATION OF THE DRUG INTERACTIONS BETWEEN HERBAL MEDICINES AND WARFARIN.
Mohi Iqbal Mohammed Abdul, Xuemin Jiang, Winston S Liauw, Kenneth M Williams, Richard O Day, Basil D Roufogalis, Andrew J McLachlan

KD-T-013
SERUM CONCENTRATIONS OF MEPIVACAINE AFTER DENTAL ANESTHESIA
Florica Popescu, Popescu Sanda Mihaela, Baniceru Mihaela, Popescu Adrian Marcel

KD-T-014
MEPIVACAINE EFFECTS ON CARDIOVASCULAR PARAMETERS IN DENTAL PATIENTS
Florica Popescu, Popescu Sanda Mihaela, Baniceru Mihaela, Popescu Adrian Marcel, Ionete Oana Mariana

KD-T-015
METRICS OF SENSITIVITY TO FORMULATION EFFECTS IN BIOEQUIVALENCE STUDIES FOR DRUGS WITH ACTIVE METABOLITES
FLAVIAN STEFAN RADULESCU, Constantin Mircioiu, Dalia Simona Miron, G Ionica, Bruno Velescu

KD-T-016
STUDY OF THE CNS BIOAVAILABILITY OF GINKGO FLAVONOIDS IN RATS
Laura Rangel-Ordonez, Mario Wurglics, Manfred Schubert-Zsilavecz

KD-T-017
QUERCITRIN ATTENUATES BETA-AMYLOID PROTEIN-INDUCED NEUROTOXICITY IN RAT PRIMARY HIPPOCAMPAL NEURONAL CULTURES
Sadudee Rattanajarasroj, Surachai Unchern

KD-T-018
PIPERACILLIN DOSING IN INTENSIVE CARE CONTINUOUS INFUSION HAS PHARMACODYNAMIC AND PHARMACOECONOMIC ADVANTAGES
Jason Roberts, Michael S. Roberts, Sheree E. Cross, Andrew Dalley, Jeffrey Lipman

KD-T-019
CLINICAL CASE - PLASMA EXCHANGE AND ANTIBIOTIC THERAPY DON T MIX! OR DO THEY?
Jason Roberts, Michael S. Roberts, Tom Robertson, Jeffrey Lipman

KD-T-020
ATORVASTATIN PHARMACOKINETICS IN CRITICALLY ILL PATIENTS
Thomas Alistair Robertson

KD-T-021
MECHANISTIC VOLUME OF DISTRIBUTION PREDICTIONS
Trudy Rodgers, Malcolm Rowland

KD-T-022
EVALUATION OF THE PHARMACOKINETICS OF PALIPERIDONE EXTENDED-RELEASE TABLETS IN HEALTHY ELDERLY SUBJECTS.
Stefaan Rossenu, Adriaan Cleton, Sandra Boom, Crauwels Herta, Remmerie Bart, Alnabawy Ali, Talluri Krishna, Eerdekens Mariëlle

KD-T-023
COMPARISON OF PHARMACODYNAMIC PARAMETERS RESULTING FROM ADMINISTRATION OF A PALIPERIDONE EXTENDED-RELEASE TABLET FORMULATION AND AN IMMEDIATE-RELEASE FORMULATION OF RISPERIDONE IN SUBJECTS WITH SCHIZOPHRENIA.
Stefaan Rossenu, Adriaan Cleton, Crauwels Herta, Remmerie Bart, Igor Francetic, Talluri Krishna, Eerdekens Mari_Ile, Sandra Boom

KD-T-024
PREDICTION OF *IN VIVO* DRUG-DRUG INTERACTIONS FROM *IN VITRO* ENZYME KINETIC DATA: TIME-BASED VERSUS STEADY STATE SIMULATIONS
Karen Rowland Yeo, Masoud Jamei, Jiansong Yang, Geoffrey Tucker, Rostami-Hodjegan Amin

KD-T-025
IMPACT OF DOSING INTERVAL ON THE STEADY STATE PEAK-TO-TROUGH RATIO
Selma Sahin, Leslie Benet

Target Discovery and Molecular Pharmacology

TD-T-001
CHARACTERIZATION OF THE PRESENCE OF AUTOANTIBODIES TO MUNC18 IN RASMUSSEN S ENCEPHALITIS
Elena Alvarez-Baron

TD-T-002
THE CYCLIN-DEPENDENT KINASE INHIBITOR, P27, PLAYS A CRUCIAL ROLE IN REGULATING INDUCTION OF CARDIOMYOCYTE HYPERTROPHY *IN VIVO*.
Katrina Bicknell, Wendy Lockwood, Sean Lynch, Gavin Brooks

TD-T-003
VALIDATION OF GPR97 AS AN ANTIBODY TARGET FOR THE TREATMENT AND PREVENTION OF OSTEOPOROSIS
Kim U. Birkenkamp, Cindy Van de Ven, Koen J. Dechering, Jan A. Gossen

TD-T-004
P2X7 ANTAGONIST ABOLISH DEVELOPMENT OF HYPERALGESIA IN THE SPARED NERVE RAT MODEL OF NEUROPATHIC PAIN
Ole J. Bjerrum

TD-T-005
DEVELOPMENT AND CHARACTERISATION OF A NOVEL NON-PEPTIDIC ANTAGONIST FOR THE TYPE 1B VASOPRESSIN RECEPTOR (V1B (V3)).
Mark William Craighead

TD-T-006
MIGRATION OF HUMAN AND MOUSE MACROPHAGES THROUGH CMKLR1
Anja Garritsen, Claudia L. Hofstra, Aswin J. Jansen, Nicole C. Rullens-Ligtvoet, Andrea Van Elsas, Andre A. Van Puijenbroek

TD-T-007
CROSS-TALK BETWEEN THE ANDROGEN RECEPTOR AND HYPOXIA-INDUCIBLE FACTOR-1 SIGNALING IN HUMAN PROSTATE CANCER CELLS
Shuntaro Hara, Yukihiro Kondo, Ichiro Kudo

TD-T-008
RAPID FLUORESCENT UPTAKE ASSAY FOR THE NORADRENALINE TRANSPORTER
Anders Haunso

TD-T-009
EFFECTS OF THE SOLUBLE GUANYLYL CYCLASE ACTIVATORS, YC-1 AND BAY 41-2272, ON HOMOTYPIC HUMAN NEUTROPHIL ADHESION
Tsong-Long Hwang, Shi-Kai Zhuo, Yen-Lin Pan, Yu-Hua Chang

TD-T-010
FIBER-MODIFIED ADENOVIRUS VECTORS DECREASE LIVER TOXICITY THROUGH REDUCED INTERLEUKIN 6 PRODUCTION
Naoya Koizumi, Tomoko Yamaguchi, Kenji Kawabata, Fuminori Sakurai, Tomomi Sasaki, Yoshiteru Watanabe, Hiroyuki Mizuguchi

TD-T-011
CALCIPOTRIOL AFFECTS KERATINOCYTE PROLIFERATION THROUGH TWO NEW TARGET GENES: EARLY GROWTH RESPONSE-1 AND POLO-LIKE KINASE-2
Jernej Kristl, Slanc Petra, Krašna Metka, Jeras Matjaû, Štrukelj Borut

TD-T-012
INHIBITOR OF FATTY ACID OXIDATION ACTIVATES THE INSULIN-STIMULATED GLUCOSE UPTAKE IN THE EXPERIMENTAL MODEL OF ISOLATED MICE HEARTS
Edgars Liepinsh, Reinis Vilskersts, Ivars Kalvinsh, Maija Dambrova

TD-T-013
PHARMACOLOGICAL DIFFERENCES OF THE HISTAMINE H4 RECEPTOR SPECIES VARIANTS
Herman Dirnawan Lim, Payman Sadek, Rob Leurs

TD-T-014
READ-OUTS FOR HTS OF G PROTEIN-COUPLED RECEPTORS
Sendy Lobregt, Marion Blomenr_hr, Toon V/d Doelen, Els Van Doornmalen, Bas V/d Kar, Chris J. Van Koppen, Miranda V/d Lee, Julia Oosterom, Martijn Timmerman, Guido Zaman

TD-T-015
MYOSTATIN: A POTENTIAL THERAPEUTIC TARGET FOR TREATING HEART FAILURE?
Godfrina Mckoy, Katrina A Bicknell, Ketan Patel, Gavin Brooks

TD-T-016
PROSTAGLANDINS: THE POSSIBILITY AS A TARGET MOLECULE FOR ANTI-ALLERGIC AGENT
Hiroichi Nagai, Naoki Inagaki, Hiroyuki Tanaka

TD-T-017
RAP1GAP2 IS A NEW TARGET OF THE RAB27-BINDING PROTEIN SLP1 IN HUMAN PLATELETS
Olga Neumüller, Meike Hoffmeister, Oliver Danielewski, Albert Smolenski

TD-T-018
NATRIURETIC PEPTIDE CATABOLISM A CLOSER LOOK
Kristin Pankow, Gerd Krause, Yong Wang, Florian Gembardt, Wolf-Eberhard Siems, Thomas Walther

TD-T-019
IMMOBILIZED IN MICROPARTICLES PAR1-AGONIST PEPTIDE ACCELERATES ULCER HEALING IN RATS
Anna Rusanova, Svetlana Strukova, Elena Markvicheva, Zanna Bespalova, Christian Grandfils

TD-T-020
EFFECTIVE SHORTCUTS IN LEAD DISCOVERY HM74A EXAMPLE
Brad Sherborne, Jen Moir, Grant Wishart, Emma Kinghorn, John Waller

TD-T-021
CREATINE TRANSPORTER FUNCTIONS AS GUANIDINOACETATE TRANSPORTER AT THE BLOOD-CEREBROSPINAL FLUID BARRIER.
Masanori Tachikawa, Jun Fujinawa, Tetsuya Terasaki, Ken-ichi Hosoya

TD-T-022
MECHANISM OF ACTION OF A POTENT LOW MOLECULAR WEIGHT AGONIST FOR THE HUMAN LUTROPIN RECEPTOR
Chris J. Van Koppen, J.P.L. Rijss, R. Van de Lagemaat, J. Kelder, C.M. Timmers, S. Mosselman, R.G.J.M. Hanssen

TD-T-023
DIFFERENTIAL BEHAVIOR OF ANTAGONISTS TARGETING HUMAN AND RAT CHEMOKINE RECEPTOR CXCR3
Dennis Verzijl, Danny Scholten, Stefania Storelli, Daniel N. Streblow, Guido J.R. Zaman, Iwan J.P. De Esch, Martine J. Smit, Rob Leurs

TD-T-024
COMPARISON OF CYTOPROTECTIVE DOSE-DEPENDENT TRANSCRIPTIONAL ACTIVITIES OF CAFFEIC ACID PHENETHYL ESTER, CURCUMIN, AND RESVERATROL AGAINST MENADIONE TOXICITY IN HUMAN UMBILICAL VEIN ENDOTHELIAL CELLS WITH MICROARRAYS
Xinyu Wang, Phillip Bowman, James Bynum, Salomon Stavchansky

TD-T-025
ROLE OF ACIDIC CELL ORGANELLES IN THE HIGHER NON-MELANOMA RETENTION OF MELANOMA MARKERS BASED ON N-(2-DIALKYLAMINOETHYL)-BENZAMIDES AND THE CYTOXICITY OF ALKYLATING BENZAMIDES
Markus Wolf

TD-T-026
DEVELOPMENT OF A NOVEL SPA BINDING ASSAY TO IDENTIFY LIGANDS FOR ROCK-I
Jane Wright, Paul J. Westwood

Wednesday April 25, 2007

Clinical Pharmacology and Biomarkers

CP-W-001
EFFECT OF ANTIVIRAL THERAPY ON THE EXTRAHEPATIC MANIFESTATIONS IN CHRONIC HEPATITIS C
Florica Popescu, Cristin Vere, Floriana Ionica, Eliza Gofita

CP-W-002
THE EFFECT OF FATTY ACID COMPOSITION OF A SPREAD ON FOOD INTAKE AND FAT METABOLISM IN LEAN AND OBESE MEN.
Florence Salmon-te Rietstap, Wilrike Pasman, Heleen Wortelboer, Didima De Groot, Andr_ Wolterbeek, Ivana Bobeldijk, Henk Hendriks

CP-W-003
COMPARISON OF LONG-ACTING BETA2-AGONISTS IN STABLE ASTHMA AND ASSESSMENT OF KNOWLEDGE, ATTITUDE AND PRACTICE
Rajendran Sankham Devendran, Siraj Sundaran, Suresh Bhojraj, Nandhakumar Narayanasamy

CP-W-004
QUANTITATIVELY EVALUATION FOR PASSIVE SMOKING GRADE USING PLASMA COTININE LEVEL
Mari Shiomi, Junichi KAWANA, Mayu UCHIDA, Yumi SATO, Umi TANAKA, Masatoshi NAGAYAMA, Hiroyasu OGATA

CP-W-005
THE ROLE OF 34CYS OF HUMAN SERUM ALBUMIN FOR OXIDATIVE STRESS ON IRON ADMINISTRATED HEMODIALYSIS PATIENTS
Ayaka Suenaga, Koji Takeuchi, Makoto Anraku, Kenichiro Kitamura, Toru Maruyama, Masaki Otagiri

CP-W-006
METABONOMICS STUDIES OF CAPILLARY ELECTROPHORETIC PATTERNS OBTAINED FROM HEALTHY AND CANCER SUBJECTS
Ewa Szymanska, Michal Jan Markuszewski, Roman Kaliszan, Marcin Markuszewski, Kazimierz Krajka, Vander Heyden Yvan

CP-W-007
A 3 MG/KG DOSE OF INFLIXIMAB IS EFFECTIVE IN 50% OF PATIENTS WITH ACTIVE SPONDYLARTHRITIS RESISTANT TO CONVENTIONAL TREATMENTS
Ginette TENGA, Vincent Goeb, Thierry Lequerre, Nathalie Klemmer, Othmane Mejjad, Alain Daragon, Gérard Maurey, Xavier Le Loet, Olivier Vittecoq

CP-W-008
MODULATION OF MORNING SURGE IN SYSTOLIC BLOOD PRESSURE ON CIRCULATORY CIRCADIAN RHYTHM AFTER TREATED BY ANTI-HYPERTENSIVE AGENTS
Junko Uetake, Takeshi Tsutsumi, Sakurai Shihoko, Inada Yohko, Tanaka Hiroki, Kubota Nami, Wakatsuki Daisuke, Komukai Masae, Saito Masashi, Takeyama Yoichi

CP-W-009
PARTICLE PROFILER: A MATHEMATICAL TOOL FOR CHARACTERIZATION OF LIPOPROTEIN ABNORMALITIES
Daan B. Van Schalkwijk, Andreas P. Freidig, Ben Van Ommen, Jan Van der Greef

CP-W-010
VASCULAR ENDOTHELIAL GROWTH FACTOR GENE POLYMORPHISM AND ADVERSE EVENTS OF CHEMORADIOTHERAPY FOR ESOPHAGEAL SQUAMOUS CELL CARCINOMA IN JAPANESE
Motohiro Yamamori, Shingo Maeda, Tatsuya Okuno, Tsutomu Nakamura, Noboru Okamura, Naoko Chayahara, Takao Tamura, Nobuo Aoyama, Takeshi Azuma, Masato Kasuga, Katsuhiko Okumura, Toshiyuki Sakaeda

CP-W-011
GENETIC VARIANTS MODULATING DOPAMINE D2 EXPRESSION IN HUMAN BRAIN ARE ASSOCIATED WITH SCHIZOPHRENIA
Ying Zhang, Audrey Papp, Wolfgang Sadée

CP-W-012
CONCOMITANT ORANGE JUICE DOES NOT AFFECT FUROSEMIDE EXPOSURE ALLOWING US TO SHOW THAT FUROSEMIDE INTRASUBJECT VARIABILITY IS MUCH LESS THAN PREVIOUSLY SUPPOSED
HongXia Zheng, Yong Huang, Lynda Frassetto, Leslie Benet

Drug Metabolism and Transport

DMT-W-001
EXCIPIENTS MAY MODULATE THE PATHWAYS IN ADME/TOX VIA ABC-TRANSPORTERS
Ákos Pál, Dora Méhn, Éva Molnár, Szilvia Gedey, György Báthori, Márton Jani, Hristos Glavinas, Péter Krajcsi

DMT-W-002
IN VITRO METABOLITE SCREENING IN SAMPLES OF METABOLIC STABILITY ASSAY TO SUPPORT LEAD OPTIMIZATION.
Harrie Peters, Joseba Gonzalez Prieto, Mike Holkenborg

DMT-W-003
PERMEABILITY OF COPPER(II) COMPLEX OF IBUPROFEN ACROSS CACO-2 MONOLAYERS
Anh-Thu Phung-Nguyen, Zerrouk Naima, Chaumeil Jean-Claude, Tomas Alain

DMT-W-004
IMPACT OF KETAMINE ON DISPOSITION OF MORPHINE IN THE ISOLATED PERFUSED GUINEA PIG LIVER
Xiaoxin Qi, Jiping Wang, Robert Milne, Richard Upton, Allan Evans

DMT-W-005
TRANSPORT PROPERTIES OF BOVINE AND REINDEER BETA-LACTOGLOBULIN IN THE CACO-2 CELL MODEL
Laura Riihimäki, Anna Galkin, Moshe Finel, Jonna Heikura, Kaija Valkonen, Vesa Virtanen, Reijo Laaksonen, Pia Vuorela

DMT-W-006
DIFFERENTIAL REGULATION OF APICA/BASOLATERAL SURFACE EXPRESSION DRUG TRANSPORTERS BY ATORVASTATIN IN CACO-2 CELLS
Alice Cristina Rodrigues, Rui Curi, Mario Hiroyuki Hirata, Rosario Dominguez Crespo Hirata

DMT-W-007
UTILIZATION OF BIOTINYLATED FLUOROPHOSPHANATE PROBE IN PRODRUG-ACTIVATING ENZYME IDENTIFICATION
Hairat Sabit, Xueqin Song, Christopher Landowski, Kyung-Dall Lee, Gordon Amidon

DMT-W-008
HYPOCHOLESTEROLEMIC ACTION AND HEPATOBILIARY TRANSPORT OF METHYL-1-(3,4-DIMETHOXYPHENYL)-3-(3-ETHYLVALERYL)-4-HYDROXY-6,7,8-TRIMETHOXY-2-NAPHTHOATE (S-8921) GLUCURONIDE
Shingo Sakamoto, Hiroyuki Kusuhara, Seijiro Hara, Kazutoshi Horie, Takahiko Baba, Yuichi Sugiyama

DMT-W-009
CONTRIBUTION OF TRANSPORTER TO HEPATIC UPTAKE OF POTASSIUM CHANNEL OPENER, TILISOLOL
Hitoshi Sasaki, Teshima Mugen, Nishida Koyo, Nakamura Junzo, Nakashima Mikiro, To Hideto, Ichikawa Nobuhiro

DMT-W-010
HERBAL MODULATION OF HUMAN ORGANIC ANION TRANSPORTER 1 (HOAT1) AND 3 (HOAT3)
Kisoo Seo, Soon Sun Hong, Jung-Hyun Oh, Hyo-Kyung Han

DMT-W-011
ESTIMATION OF IMPACT OF P-GLYCOPROTEIN (P-GP) ON THE TRANSPORT OF VARIOUS P-GP SUBSTRATES ACROSS CACO-2 CELL MONOLAYERS
Kohei Shinozaki, Hidemasa Katsumi, Akira Yamamoto, Takuya Fujita

DMT-W-012
CHARACTERIZING THE IMPORTANCE OF HEPATIC BASOLATERAL EFFLUX MEDIATED BY THE ORGANIC ANION TRANSPORTING POLYPEPTIDES (OATPS)
Sarah Shugarts, Hideaki Okochi, Leslie Z. Benet

DMT-W-013
VALIDATION OF AUTOMATED BIDIRECTIONAL CACO-2 PERMEABILITY EXPERIMENTS ON TECAN GENESIS WORKSTATION
Anne Soikkeli, Jouni Hirvonen, Ann Marie Kaukonen

DMT-W-014
INFLUENCE OF INTESTINAL ISCHEMIA/REPERFUSION ON INTESTINAL ABSORPTION AND DISPOSITION OF P-GLYCOPROTEIN SUBSTRATE
Yusuke Takizawa, Hisanao Kishimoto, Aiko Iida, Mayuko Nagira, Mikio Tomita, Masahiro Hayashi

DMT-W-015
BENEFIT EFFECTS OF 2 - ETHYLCARBONATE-LINKED PACLITAXEL ON CELLULAR ACCUMULATION OF PACLITAXEL AND A GENE-DIRECTED ENZYME PRODRUG THERAPY STRATEGY FOR ADVANCED OVARIAN CANCER
Tadatoshi Tanino, Manabu Noda, Masahiro Iwaki

DMT-W-016
FUNCTIONAL ROLES OF CYSTEINE AND HISTIDINE RESIDUES IN RAT H+/ORGANIC CATION ANTIPORTER MATE1
Tomohiro Terada, Jun-ichi Asaka, Masahiro Tsuda, Toshiya Katsura, Ken-ichi Inui

DMT-W-017
IDENTIFICATION OF A DRIVING FORCE OF H+/ORGANIC CATION ANTIPORTER RAT AND HUMAN MATE1 USING PLASMA MEMBRANE VESICLES.
Masahiro Tsuda, Tomohiro Terada, Jun-ichi Asaka, Miki Ueba, Toshiya Katsura, Ken-ichi Inui

DMT-W-018
STUDY ON THE CONTRIBUTION OF MULTIDRUG RESISTANCE-ASSOCIATED PROTEINS (MRPS) TO INTESTINAL ABSORPTION OF CELIPROLOL USING *IN VITRO* AND *IN VIVO* METHODS
Yoshihiro Uesawa, Kiminori Mohri

DMT-W-019
INDUCTION OF PHASE I AND II DRUG METABOLISM IN RAT SMALL INTESTINE AND COLON *IN VITRO*
Esther Van de Kerkhof, Inge De Graaf, Marina De Jager, Geny Groothuis

DMT-W-020
INDUCTION OF DRUG METABOLISING ENZYMES AND TRANSPORTERS IN HUMAN INTESTINE *IN VITRO*
Esther Van de Kerkhof, Anna-Lena Ungell, Inge De Graaf, Marina De Jager, Geny Groothuis

DMT-W-021
IDENTIFICATION OF SULFATE CONJUGATES AS SUBSTRATE FOR MOUSE ORGANIC SOLUTE TRANSPORTER ALPHA/BETA (OSTA/B)
Etsuro Watanabe, Hiroyuki Kusuhara, Yuichi Sugiyama

DMT-W-022
INHIBITION AND INDUCTION OF CYPS BY AN EXTRACT OF THE MUSHROOM CORIOLUS VERSICOLOR, A TRADITIONAL CHINESE MEDICINE
Alan R. Wolfe, B. Joseph Guglielmo, Leslie Z. Benet

DMT-W-023
N-GLUCURONIDATION OF 1'-HYDROXYMIDAZOLAM IN HUMAN LIVER MICROSOMES
Shiyao Xu, Bing Zhu, David Bush, George Doss, Stella Vincent, Ronald Franklin

DMT-W-024
INVESTIGATION OF THE TRANSPORT MECHANISMS OF OLMESARTAN IN LIVER AND KIDNEY
Akihiro Yamada, Kazuya Maeda, Tsunenori Kondo, Yoshiyuki Shiroyanagi, Hayakazu Nakazawa, Teruo Okano, Yasuhisa Adachi, Zhuohan Hu, Yuichi Sugiyama

DMT-W-025
THEORETICAL ASSESSMENT OF A NEW EXPERIMENTAL PROTOCOL FOR DETERMINING KINETIC VALUES DESCRIBING MECHANISM (TIME)-BASED ENZYME INHIBITION
Jiansong Yang, Masoud Jamei, Karen R. Yeo, Geoffrey T. Tucker, Amin Rostami-Hodjegan

DMT-W-026
INHIBITION OF BREAST CANCER RESISTANCE PROTEIN (BCRP)-MEDIATED TRANSPORT BY TERPENOIDS
Naoko Yoshida, Junichi Kawakami, Tappei Takada, Isao Adachi, Hiroshi Suzuki

DMT-W-027
SUBSTRATE SELECTIVITY AND TRANSPORT ACTIVITIES OF NEUROTRANSMITTERS BY ORGANIC CATION TRANSPORTERS (OCT/SLC22)
Kunihiro Yoshisue, Hiroyuki Kusuhara, Yuichi Sugiyama

DMT-W-028
ROLE OF BREAST CANCER RESISTANCE PROTEIN IN BLOOD-BRAIN AND TESTIS BARRIERS
Enokizono, Kusuhara, Sugiyama

Formulation, Delivery, Biopharmaceutics and Pharmaceutical Technology

DD-W-001
OROMUCOSAL BIOADHESIVE TABLETS WITH BENZYDAMINE HCL
IULIANA POPOVICI, Ileana Cojocaru, Lacramioara Ochiuz, Emanuela Antoneta Popa, Dumitru Lupuleasa

DD-W-002
FORMULATION DEVELOPMENT OF MORPHINE SULPHATE SUSTAINED RELEASE TABLETS AND ITS COMPARATIVE BIOEQUIVALENCE STUDY WITH A COMMERCIAL PRODUCT IN HEALTHY ADULT MALE THAI VOLUNTEERS
Detpon Preechagoon, Viroj Sumyai, Suvatana Chulavatnatol, Poj Kulvanich, Thanee Tessiri, Khanittha Tontisirin, Thaned Pongjanyakul, Sirikul Aumpon, Verawan Uchaipichat, Chaiyasit Wongvipaporn

DD-W-003
NANOPARTICLE COATED DROPLETS: A PLATFORM DELIVERY SYSTEM FOR LIPOPHILIC DRUGS
Clive Prestidge, Spomenka Simovic, Nasrin Ghouchi-Eskandar, Angel Tan, Andrew Davey, Allan Evans, Thomas Rades

DD-W-004
INVESTIGATION OF MICROSPHERE SURFACE CHARACTERISTICS ON MACROPHAGE UPTAKE USING QD ASSISTED IMAGING
Georgina Pujals, Charudharshini Srinivasan, Jonathan Doll, Josep Ramon Tic_, Fotios Papadimitrakopoulos, Diane J. Burgess

DD-W-005
CHARACTERIZATION OF CHITOSAN MICROSPHERES PREPARED USING A NOVEL O/W EMULSION TECHNIQUE
Georgina Pujals, Montse Miñarro, Encarna García Montoya, Pilar Pérez Lozano, Josep Maria Suñé Negre, Josep Ramon Ticó

DD-W-006
CHARACTERIZATION OF ENZYMATIC DEGRADATION OF OXAZOLINE MODIFIED POLY-?-CAPROLACTONE (PCL-O) BY ENZYME INHIBITORS AND MASS SPECTROMETRY
Mika Pulkkinen, Joni Palmgrén, Seppo Auriola, Minna Malin, Jukka Seppälä, Kristiina Järvinen

DD-W-007
USE OF CHITOSAN-ALGINATE AS ALTERNATIVE PELLETIZATION AID TO MICROCRYSTALLINE CELLULOSE IN EXTRUSION/SPHERONIZATION
Satit Puttipipatkhachorn, Nattawut Charoenthai, Peter Kleinebudde

DD-W-008
GMP PRODUCTION OF PDERMATT FOR VACCINATION AGAINST MELANOMA IN A PHASE I CLINICAL TRIAL
Susanne Quaak, Joost Van den Berg, John Haanen, Jos Beijnen, Bastiaan Nuijen

DD-W-009
EVALUATION OF INJECTION MOULDING AS A PRODUCTION TECHNIQUE FOR CONTROLLED RELEASE MATRIX TABLETS.
Thomas R.A. Quinten, Chris Vervaet, Jean Paul Remon

DD-W-010
THE EVALUATION OF SUSTAINED-RELEASE POLYETHYLENE OXIDE/ ETHYLCELLULOSE MATRIX TABLET PRODUCED BY INJECTION MOULDING.
Thomas R.A. Quinten, Chris Vervaet, Jean Paul Remon

DD-W-011
OPTIMIZATION OF LAG TIME FOR A CHRONO-MODULATED DRUG DELIVERY SYSTEM
Javed Qureshi, Javed Ali

DD-W-012
DEVELOPMENT AND VALIDATION OF REVERSED PHASE HPLC METHOD FOR DETERMINATION OF BUDESONIDE IN DISSOLUTION MEDIA AND PHARMACEUTICALS
Nakisa Rahmani, Farid Dorkoosh, Jaleh Varshosaz, Jaber Emami, Fatemeh Ahmadi

DD-W-013
PREHEATING OF GRANULATOR IMPROVED FLUID BED GRANULATION
Heikki Räikkönen, Tanja Lipsanen, Sari Airaksinen, Jouko Yliruusi

DD-W-014
DEVELOPMENT OF MUCOADHESIVE PATCHES FOR BUCCAL ADMINISTRATION OF SALBUTAMOL SULPHATE IN THE EFFECTIVE TREATMENT OF ASTHMA.
Rajeev Garg Raju, G.D. Gupta

DD-W-015
DESIGN AND DEVELOPMENT OF MULTIVESICULAR LIPOSOMES FOR SUSTAINED DELIVERY OF SERRATIOPEPTIDASE
Manisha Rajvaidya, Sanjay K Jain

DD-W-016
LECTIN-MEDIATED DRUG TARGETING: BINDING AND UPTAKE OF DIFFERENT LECTINS USING BLADDER CARCINOMA CELLS 5637
Gerda Ratzinger, Verena Elisabeth Plattner, Maria Wagner, Franz Gabor, Michael Wirth

DD-W-017
PREPARATION AND EVALUATION OF A NEW FACIAL SCRUB AS A SKIN COSMETIC
Swati Rawat, Santosh Nijwante, Laxmikanth Jaiswal, Fatema Laila, Sana Khan, Moin Khan

DD-W-018
IN-SITU SUPERSATURATION USING A TOPICALLY APPLIED METERED DOSE AEROSOL TO ENHANCE TOPICAL DRUG DELIVERY
Monica Reid, Marc B. Brown, Stuart A. Jones

DD-W-019
EFFECTIVE ORAL DELIVERY OF INSULIN BY A BIODEGRADABLE NANOPARTICULATE SYSTEM
Catarina Reis, Francisco Veiga, António Ribeiro, Ronald Neufeld, Christiane Damgé

DD-W-020
STABILITY OF HYDROGEL FORMULATIONS WITH DIFFERENT THICKENING AGENTS AND ALPHA-HYDROXY ACIDS
Helena Ribeiro, Ana Ramalho, Ana Rodrigues, Antonio Nogueira, Alexandra Silva, Maria de Lourdes Rebelo, Helena M. Ribeiro

DD-W-021
EFFECT OF BISABOLOL ON THE *IN VITRO* TRANSDERMAL PERMEATION OF GLYCOLIC ACID FROM HYDROGELS
Helena Ribeiro, Ana Ramalho, Antonio Nogueira, Teresa Salgado, M. Caneira Silva, Maria de Lourdes Rebelo, Helena M. Ribeiro

DD-W-022
INFLUENCE OF POLYMER ON THE *IN VITRO* RELEASE OF MOMETASONE FUROATE FROM DIFFERENT FORMULATIONS
Helena Ribeiro, Ana Salgado, Helena M. Ribeiro

DD-W-023
ANTIBACTERIAL EFFICACY OF CHITOSAN/ ALPHA-HYDROXY ACIDS GEL FORMULATIONS FOR ACNE TREATMENT
Helena Ribeiro, Inês Silva, Alexandra Silva, Aida Duarte, Helena M. Ribeiro

DD-W-024
BIODEGRADABLE AND THERMORESPONSIVE CORE CROSSLINKED POLYMERIC MICELLES FOR CONTROLLED DRUG DELIVERY
Cristianne J.F. Rijcken, Cornelus F. Van Nostrum, Wim E. Hennink

DD-W-025
TARGETED GENE DELIVERY TO GLIOBLASTOMA AND BRAIN ENDOTHELIAL CELLS USING CRM197
Jaap Rip, P.J. Gaillard, A.E. De Groot, H. Kommerie, C.C.M. Appeldoorn, M.H.M. Noteborn, A.G. De Boer

DD-W-026
TEMPERATURE-DEPENDENT CHARACTERIZATION OF VERNIX CASEOSA
Robert Rissmann, Wouter Groenink, Marion Oudshoorn, Wim Hennink, Maria Ponec, Joke Bouwstra

DD-W-027
POLY(AMINO ACID)S SHEDDABLE COATINGS FOR LONG-CIRCULATING LIPOSOMES
Birgit Romberg, Wim E. Hennink, Gert Storm

DD-W-028
EXTERNALLY TRIGGERED ON-DEMAND DRUG DELIVERY FROM POLYMER MATRICES INDUCED BY A MAGNETIC FIELD
Stefan Rovers, Maartje Kemmere, Jos Keurentjes

DD-W-029
THE USE OF EUDRAGIT RS 30 D/ EUDRAGIT S 100 POLYMERS IN CONTROLLING THE RELEASE OF DICLOFENAC SODIUM BY SPRAY DRYING TECHNIQUE
Janejira Ruangchayajatuporn, Panithan Panchaipiboon, Supinda Boonsamai, Doungkamol Leaokittikul

DD-W-030
INVESTIGATION OF ASA DEGRADATION BEHAVIOR IN PRESENCE OF UICEL IN TABLETS
Murad Rumman, Gabriele Betz, Hans Leuenberger

DD-W-031
THE EFFECT OF COATING LEVEL ON MECHANICAL AND RELEASE PROPERTIES OF CURED EUDRAGIT BASED IBUPROFEN PELLETS
Fatemeh Sadeghi, M. Reza Abbaspour, Hadi Afrasiabi Garekani

DD-W-032
IMPROVEMENT OF THE DISSOLUTION RATE OF NAPROXEN USING A PULSE COMBUSTION DRYER SYSTEM
Noriko Saji, Hisakazu Sunada

DD-W-033
IMPROVEMENT OF THE DISSOLUTION RATE OF NAPROXEN USING A PULSE COMBUSTION DRYER SYSTEM
Noriko Saji, Hisakazu Sunada

DD-W-034
PEGYLATED CHITOSAN- PLASMID DNA NANOPARTICLES: I) EFFECT OF PEGYLATION ON DRUG LOADING AND DRUG RELEASE
Ongun Mehmet Saka, Asuman Bozkir

DD-W-035
DEVELOPMENT OF VACCINE PATCH TO DELIVER PROTEIN ANTIGENS TO EPIDERMAL LANGERHANS CELLS
Fumiko Sakamoto, Tomoko Nakae, Akira Yamamoto, Ying-shu Quan, Fumio Kamiyama, Naoki Okada, Shinsaku Nakagawa, Takuya Fujita

DD-W-036
A NOVEL AUTOMATED METHOD FOR MEASURING THE EFFECT OF ANALGESICS ON FORMALIN-EVOKED LICKING BEHAVIOR IN RATS
Yojiro Sakiyama, Tetsujo Sujaku, Akihiro Furuta

DD-W-037
DEVELOPMENT OF AN EXTENDED RELEASE DEXTROMETHORPHAN TABLET; *IN-VITRO*/*IN-VIVO* EVALUATION
ADEL SAKR, Satinder Bharaj

DD-W-038
VALIDATION OF PHARMACEUTICAL PROCESSES
Sharareh Salar-Behzadi, Peter Wolschann, Helmut Viernstein

DD-W-039
EVALUATION OF THIEF SAMPLING AS A METHOD TO PREDICT TABLET CONTENT UNIFORMITY IN POWDER MIXING
Henri Mikko Jaakko Salokangas, Satu Virtanen, Tero Närvänen, Jouko Yliruusi

DD-W-040
INFLUENCE OF THE AMOUNT OF WATER ON THE PREPARATION OF DRUGS-CYCLODEXTRIN COMPLEXES BY KNEADING
Paulo Jose Salustio, Joao Pinto, Helena Cabral Marques

DD-W-041
PHYSICAL STABILITY AND STABILIZATION OF TRIMETHYL CHITOSAN NANOPARTICLES AFTER STORAGE AND FREEZE DRYING
Giuseppina Sandri, M.C. Bonferoni, S. Gibin, E.H. Gokce, S. Rossi, F. Ferrari, C. Caramella

DD-W-042
CONTROLLED DRUG RELEASE FROM DOUBLE-COMPRESSED TABLET FOR COLON-SPECIFIC DRUG DELIVERY USING PLASMA-IRRADIATION
Yasushi Sasai, Mari Ichikawa, Shin-ichi Kondo, Masayuki Kuzuya

DD-W-043
PREPARATION AND EVALUATION OF ETOPOSIDE LIPOSOMES.
Gaurav Savant, Sushilkumar Poddar, Amol Borade

DD-W-044
PREPARATION AND CHARACTERIZATION OF NANOPARTICLES WITH CHITOSAN DERIVATIVES FOR MUCOSAL IMMUNISATION
BURCU SAYIN, Satyanarayana Somavarapu, Xiong Wei Li, Maya Thanou, Sevda Senel, Oya Alpar

DD-W-045
ULTRASONIC RESONATOR TECHNOLOGY AS A NEW SENSITIVE ANALYTICAL TOOL IN THE INVESTIGATION OF COLLAPSED AND NOT COLLAPSED PROTEIN LYOPHILIZATES
Kathrin Schersch, Kathrin Mathis, Ortrud Betz, Patrick Garidel, Silke Mühlau, Stefan Bassarab, Gerhard Winter

DD-W-046
STABILITY OF COLLAPSED AND NOT COLLAPSED PROTEIN LYOPHILIZATES DURING STORAGE AT ELEVATED TEMPERATURES
Kathrin Schersch, Ortrud Betz, Patrick Garidel, Silke Mühlau, Stefan Bassarab, Gerhard Winter

DD-W-047
SYNTHESIS OF BILAYER-COATED NANOGELS BY SELECTIVE CROSS-LINKING OF MONOMERS INSIDE LIPOSOMES
Joris Pieter Schillemans, Frits M. Flesch, Wim E. Hennink, Cornelus F. Van Nostrum

DD-W-048
ROLE OF SULFHYDRYL GROUPS IN TRANSFECTION? A CASE STUDY WITH CHITOSAN-NAC NANOPARTICLES
Wolfgang Schlocker, Brigitta Loretz, Marlene Thaler, Andreas Bernkop-Schnürch

DD-W-049
FORMULATION AND EVALUATION OF MUCOADHESIVE BUCCAL FILMS OF GLIPIZIDE
Ajay Semalty

DD-W-050
EFFECT OF TERPENE ENHANCERS ON THE *IN VITRO* RELEASE OF BETAMETHASONE-17-VALERATE PATCHES
Taner Senyigit, Özgen Özer, Tamer Güneri

DD-W-051
NEW TOPOGRAPHICAL METHOD TO DETERMINE PARTICLE SIZE OF POWDERS AND GRANULES
Kari Seppälä, Osmo Antikainen, Jouko Yliruusi

DD-W-052
A REAL IN LINE PARTICLE SIZE ANALYSING METHOD FOR WET GRANULATION PROCESSES
Kari Seppälä, Osmo Antikainen, Tero Närvänen, Jouko Yliruusi

DD-W-053
ARTIFICIAL NEURAL NETWORKS APPLIED TO *IN-VITRO IN-VIVO* CORRELATION FOR DRY POWDER INHALERS
Qun Shao, Marcel De Matas, Catherine Richardson, Henry Chrystyn

DD-W-054
COMPARISON OF TWO DATA MINING STRATEGIES IN GENERATING KNOWLEDGE FROM AN EFFERVESCENT TABLET FORMULATION DATABASE WITH LIMITED DATA USING NEURAL NETWORKS AND NEUROFUZZY LOGIC
Qun Shao, Raymand C. Rowe, Peter York

DD-W-055
NON-DESTRUCTIVE METHOD FOR THE EVALUATION OF THE PROTEIN AND MOISTURE IN FISHMEAL BY FT-NIR
Maryam Shekarchi, Alireza Alishahi, Hamid Farahmand, Rasmus Bro, Saeed Massum, Gholamreza Rafiee

DD-W-056
DESIGN OF NOVEL BIODEGRADABLE COMPLEX NANOPARTICLES FOR ORAL INSULIN DELIVERY
Kai Shi, Fude Cui, Hiromitsu Yamamoto, Yoshiaki Kawashima

DD-W-057
CYTOTOXIC EFFECTS OF ACTIVATED ALVEOLAR MACROPHAGES ON LUNG CARCINOMA CELLS
Yasuteru Shimada, Chie Kohchi, Hiroyuki Inagawa, Gen-Ichiro Soma, Kimiko Makino, Hiroshi Terada

DD-W-058
DRUG-POLYMER INTERACTIONS IN CONTROLLED DELIVERY SYSTEMS: TOWARDS A BETTER UNDERSTANDING OF THE UNDERLYING MECHANISMS
Juergen Siepmann, Bianca Glaessl, Florence Siepmann, Marie Pierre Flament, Pierre Leterme, Thomas Rades

DD-W-059
DELIVERY OF DEXAMETHASONE TO THE POSTERIOR SEGMENTS OF THE RABBIT EYE
Hakon Hrafn Sigurdsson, Loftsson Thorsteinn, Stefánsson Einar, Konradsdóttir Fífa, Hreinsdóttir Dagny

DD-W-060
DICLOFENAC DIETHYLAMINE TRANSDERMAL MICROEMULSIONS: DEVELOPMENT AND CHARACTERIZATION
José Alexsandro Silva, Danilo César Galindo Bedor, Bolívar P. G. L. Damasceno, Anselmo Gomes Oliveira, E. Sócrates T. Egito, Davi Pereira Santana

DD-W-061
CELLULOSE II POWDER FROM ECF BLEACHED PULP OF MISCANTHUS SINENSIS
BALTAZAR SILVAN, Vijay Kumar, Xavier Farriol

DD-W-062
STATISTICAL OPTIMIZATION OF FORMULATION DEVELOPMENT AND EVALUATION OF INTRAGASTRIC FLOATING EXTENDED RELEASE TABLETS OF METFORMIN HYDROCHLORIDE AND ITS BILAYER TABLETS WITH PIOGLITAZONE HYDROCHLORIDE.
Kamalinder Singh, Kala Kotipalli

DD-W-063
PRIMAQUINE LIPID NANOEMULSION: FORMULATION, ANTIMALARIAL ACTIVITY, PHARMACOKINETICS AND TISSUE DISTRIBUTION
Kamalinder Singh, Sharvani Vingkar

DD-W-064
PRIMAQUINE LIPID NANOEMULSION: FORMULATION, ANTIMALARIAL ACTIVITY, PHARMACOKINETICS AND TISSUE DISTRIBUTION
Kamalinder Singh, Sharvani Vingkar

DD-W-065
DESIGN AND EVALUATION OF SOLID LIPID NANOPARTICULATE CARRIER SYSTEM FOR VAGINAL DELIVERY OF CLOTRIMAZOLE
Kamalinder Singh, Vidya Dhane

DD-W-066
DESIGN AND EVALUATION OF DISPERSIBLE SUSTAINED RELEASE TABLETS OF CEFIXIME TRIHYDRATE.
Kamalinder, Manasi Singh, Joshi

DD-W-067
CARBOCARRIER: A NEW TECHNOLOGY TO PROLONG HALF-LIFE OF SMALL MOLECULES, PEPTIDES AND PROTEINS
Martin Smit, Martin De Kort, Ebo Bos, Ellen Mattaar, Gerard Vogel, Stan Van Boeckel

DD-W-068
IN VITRO RELEASE STUDY OF PLGA MICROSPHERES LOADED WITH ANTHRACYCLINES
Mariana Sousa Costa, M. Margarida Cardoso

DD-W-069
THE INFLUENCE OF TALC ON LEVODOPA EXTENDED RELEASE TABLETS.
Paulo Sousa e Silva, Vitor Ferreira, José Manuel Sousa Lobo

DD-W-070
EFFECT OF TABLET SURFACE AREA ON THE LEVODOPA RELEASE, USING POVIDONE AS GRANULATING AGENT.
Paulo Sousa e Silva, José Manuel Sousa Lobo

DD-W-071
BIOEQUIVALENCE OF A NEW CO-AMOXICLAV GRANULE FORMULATION AS COMPARED TO AN EQUIMOLAR REFERENCE FORMULATION (AUGMENTIN 500 MG/62.50 MG CHILDREN, SACHETS)
Hans-Juergen Stahlberg, Horst Beier, Sibille Baumann-No_, Manfred Birkel

DD-W-072
OLIGOARGININE PRODRUGS WITH SELF-CLEAVABLE PEPTIDE SPACERS FOR EFFECTIVE INTESTINAL ABSORPTION
Yuka Suehisa, Akira Yamamoto, Yoshiaki Kiso, Yoshio Hayashi, Takuya Fujita

DD-W-073
MODIFIED MICROSPHERES AS INTRANASAL JAPANESE ENCEPHALITIS VACCINE CARRIER : STUDY THE PHYSIOCHEMICAL PROPERTIES OF SURFACE MODIFIED PLGA MICROSPHERES
Seeopa Suksiengsri, Garnpimol C. Ritthidej

DD-W-074
DEVELOPMENT OF TIME-CONTROLLED PULSATILE RELEASE TABLETS WITH RUPTURABLE COATING
Srisagul Sungthongjeen, Tasana Pitaksuteepong, Ornlaksana Paeratakul, Roland Bodmeier, Andrei Dashevsky, Satit Puttipipatkhachorn

DD-W-075
MECHANICAL PROPERTIES EVALUATION OF FREE POLYMERIC FILMS IN DEVELOPMENT OF MULTIPLE-UNIT FLOATING DRUG DELIVERY SYSTEM BASED ON GAS FORMATION TECHNIQUE
Srisagul Sungthongjeen, Ornlaksana Paeratakul, Sontaya Limmatvapirat, Satit Puttipipatkhachorn

DD-W-076
HYALURONIC ACID-DOPE LIPOSOMES FOR GENE DELIVERY
Claudio Surace, Silvia Arpicco, Helenio Potenza, Céline Bouclier, Véronique Marsaud, Luigi Cattel, Elias Fattal

DD-W-077
EFFICIENT CYTOPLASMIC PROTEIN DELIVERY USING MULTIFUNCTIONAL ENVELOPE-TYPE NANO DEVICE
Ryosuke Suzuki, Yuma Yamada, Hideyoshi Harashima

DD-W-078
CATIONIC CHITOSAN/PLGA NANOPARTICLES EFFECTIVELY DELIVER ANTISENSE 2 -O-METHYL-RNA INTO A549 CELLS TO INHIBIT TELOMERASE ACTIVITY
Sebastian Taetz, Noha Nafee, Julia Beisner, Kamilla Piotrowska, Christiane Baldes, Thomas Muerdter, Ulrich Schaefer, Ulrich Klotz, Claus-Michael Lehr

DD-W-079
PULMONARY ABSORPTION OF RIFAMPICIN FROM MICROPARTICLES PREPARED BY SPRAY DRYING METHOD
Hosnieh Tajerzadeh, Mohammad ali Darbandi, Abdolhosein Rouhol amini najafabadi, Kambiz Gilani

DD-W-080
INTRACELLULAR DISPOSITION OF POLYSACCHARIDES IN HEPATOMA CELLS
Tetsuro Tanaka, Yasuo Abo, Hanako Asano, Daisuke Kurokawa, Kyoko Taguchi, Yoshiharu Kaneo

DD-W-081
Closed loop glucose control of diabetic rats
Joan Taylor, Sangeeta Tanna, Tarsem Sahota

DD-W-082
DOES MINI-TABLETTING INFLUENCE COMPACTION PROFILES?
Sarah Thomson, Juliette Guaquiere, Catherine Tuleu, Kendal Pitt

DD-W-083
DEVELOPMENT AND CHARACTERIZATION OF SODIUM ALGINATE FILMS FOR BUCCAL DRUG DELIVERY
Jon Halldor Thrainsson, Skuli Skulason, Thordis Kristmundsdottir

DD-W-084
INDOMETHACIN-LOADED THERMALLY RESPOSIVE NANOPARTICLES- DRUG RELEASE BEHAVIOUR
Stefka Titeva, Victoria Michailova, Lyubomir Ivanov, Georgi Momekov, Rosen Buyukliev, Plamen Iliev, Iliana Berlinova

DD-W-085
COLONIC DELIVERY SYSTEM MINITABLETS TYPE. *IN VITRO-IN VIVO* EVALUATION
Ioan Tomuta, Laurian Vlase, Adina Popa, Sorin Leucuta

DD-W-086
CYCLODEXTRIN NETWORKS INTERPENETRATED WITH CARBOPOL MICROGELS AS BIOADHESIVE AND PH-RESPONSIVE DRUG DELIVERY SYSTEMS
Juan J. Torres-Labandeira, Carmen Rodriguez-Tenreiro, Carmen Alvarez-Lorenzo, Angel Concheiro

DD-W-087
ALPHA-CYCLODEXTRIN/VEGETABLE OIL BEADS: A NEW SELF-ASSEMBLING SYSTEM FOR TOPICAL ADMINISTRATION OF DRUGS
Laury TRICHARD, GUY Richard, DELGADO-CHARRO Begoña, GROSSIORD Jean-Louis, LE BAS Geneviève, FATTAL Elias, BOCHOT Amélie

DD-W-088
AMORPHOUS NARINGENIN FORMED BY GRINDING WITH POVIDONE
Shang-Yuan Tsai, Chiung-Ju Tsai, Pei-Dawn Lee Chao, Yu-Chi Hou, Hsiu-Mei Chiang

DD-W-089
MICROEMULSIONS FOR TOPICAL DELIVERY OF NICARDIPINE HYDROCHLORIDE
Yi-Hung Tsai, Yei-Huan Lin, Ming-Jun Tsai, Ren-Jiunn Wang, Yaw-Bin Huang

DD-W-090
LOW-SURFACE-ENERGY TOOTH COATINGS FROM AQUEOUS NANOSUSPENSIONS: AN ALTERNATIVE APPROACH TO DENTAL CARE
John Tsibouklis, David Churchley, Eugen Barbu, Thomas G. Nevell, Gareth D. Rees

DD-W-091
The Effect of Parabens on Cyclodextrin Inclusion Complex Formation and the Subsequent Influence on their Antimicrobial Properties
Roy Maxwell Turner, Mary-Anne Akioyame, Kate Keene, Paul Long, Catherine Tuleu

DD-W-092
A SMART FLEXIPLATE FOR ORAL TRANSMUCO-SOFTPALATAL DELIVERY OF AMIKACIN
Umashankar Umashankar, Satheesh Madhav Nookala

DD-W-093
EVALUATION OF CYCLOSPORINE A LOADED NANOPARTICLES FOR TOPICAL OCULAR DRUG DELIVERY
Nursen Ünlü, Pelin Aksungur, Jo Vandervoort, Annick Ludwig

DD-W-094
VACCINATION OF DENDRITIC CELL PULSED WITH TUMOR-INDUCED ENDOTHELIAL CELLS INHIBITS ANGIOGENESIS AND METASTASIS OF TUMOR
Naoki Utoguchi, Ryo Suzuki, Naoki Okada, Shinsaku Nakagawa, Kazuo Maruyama

DD-W-095
THE IMMUNOGENICITY OF BELEROFON, A MUTANT OF RECOMBINANT HUMAN INTERFERON ALPHA 2, IN WILDTYPE AND TRANSGENIC IMMUNE-TOLERANT MICE
Miranda Van Beers, Arno Kromminga, Wim Jiskoot, Thierry Guyon, Gilles Borrelly, Lila Drittanti, Huub Schellekens

DD-W-096
SOLUTION STRUCTURE OF INSULIN AMYLOID FIBRILS AND A CRUCIAL FIBRIL PRECURSOR
Marco Van de Weert, Bente Vestergaard, Minna Groenning, Manfred Roessle, Jette Kastrup, James Flink, Sven Frokjaer, Michael Gajhede, Dmitri Svergun

DD-W-097
EX VIVO HUMAN SKIN AS MODEL FOR DERMAL VACCINATION WITH DNA-TATTOOING
Joost Van den Berg, Bastiaan Nuijen, Jos Beijnen, Wim Hennink, Gert Storm, Ton Schumacher, John Haanen

DD-W-098
THE EFFECT OF PARTICLE COMPOSITION AND FORMULATION ON TRANSFECTION EFFICIENCY IN NONVIRAL GENE DELIVERY: IMPROVING THE EXPRESSED-TO-DELIVERED PLASMID RATIO
Ethlinn Van Gaal, Enrico Mastrobattista, Wim E. Hennink, Daan J.A. Crommelin

DD-W-099
SELF-ASSEMBLY OF RECOMBINANT AMPHIPHILIC OLIGOPEPTIDES INTO VESICLES
Albert Van Hell

DD-W-100
OLIGOLACTATE-GRAFTED DEXTRAN MICROSPHERES SELF-ASSEMBLE INTO MACROSCOPIC HYDROGELS
Sophie Van Tomme, Wim Hennink

DD-W-101
DEVELOPMENT OF LECTIN-CONJUGATED POLYMERIC GANTREZ AN 119 NANOPARTICLES FOR ORAL DELIVERY OF ANTIGENS
Katrien Vandamme, Nathalie Huyghebaert, Chris Vervaet, Jean Paul Remon

DD-W-102
THE ROLE OF LIPOSOME COMPOSITION IN ENHANCING UPTAKE AND TRANSPORT OF CALCEIN AND RHODAMINE 123 INTO AND ACROSS CACO-2 MONOLAYERS
Nontima Vardhanabhuti, Araya Lukanawonakul, Thitima Pengsuparp

DD-W-103
DEVELOPMENT OF A RAPID DISSOLVING IBUPROFEN SOLID DISPERSION
Teófilo Vasconcelos, Paulo Costa

DD-W-104
DEVELOPMENT OF BLINDED PLACEBOS USING THE BULK DENSITY AS A GUIDE
Teófilo Vasconcelos, Cerdeira Rui, Pedro Barrocas, Lima Ricardo

DD-W-105
NEW DRUG DELIVERY SYSTEMS BASED ON BETA-CYCLODEXTRIN POLYMERS
Itziar Velaz, Rubén Machín, Arantza Zornoza, Bárbara Safont, María Cristina Martínez-Ohárriz, González-GaitanoGustavo González-Gaitano, Carmen Martín, Miguel Sánchez, José Ramón Isasi

DD-W-106
INFLUENCE OF PARTICLE SIZE OF EXCIPIENTS ON THE QUALITY OF ROLLER COMPACTED GRANULATE
Joost Verheezen, Herman Vromans, Kees Van Der Voort Maarschalk

DD-W-107
PREDICTING DRUG RELEASE FROM EC-PEG/PEO MINI-MATRICES PREPARED BY HOT-MELT EXTRUSION
Ellen Verhoeven, Florence Siepmann, Juergen Siepmann, Guy Van den Mooter, Chris Vervaet, Jean Paul Remon

DD-W-108
RHEOLOGICAL STUDIES OF THERMOSENSITIVE TRIBLOCK COPOLYMER HYDROGELS
Tina Vermonden, Mies Van Steenbergen, Wim Hennink

DD-W-109
PHOTOTHERMAL HEATING OF POLYMER MATRICES FOR ON-DEMAND DRUG DELIVERY USING A NEAR-INFRARED DYE
Mikël Vertommen, Dah-Kee Chan, Maartje Kemmere, Jos Keurentjes

DD-W-110
EFFICACY AND SAFETY IMPROVEMENT OF A ULTRAVIOLET ABSORBER BY NANOENCAPSULATION
Manuela Vettor, Paola Perugini, Santo Scalia, Bice Conti, Ida Genta, Jocelyne Pelletier, Samira Khenniche, Marie Alexandrine Bolzinger, Franca Pavanetto

DD-W-111
INNOVATIONS IN CELL STABILISATION AND FORMULATION DEVELOPMENT OF PROBIOTICS
Helmut Viernstein, Diana Berner, Ulrike David-Labor, Sharareh Salar-Behzadi

DD-W-112
UNIFORMITY OF POORLY MISCIBLE POWDERS DETERMINED BY NEAR INFRARED SPECTROSCOPY
Satu Maria Virtanen, Osmo Antikainen, Jouko Yliruusi

DD-W-113
CRUSHING STRENGTH OF TABLETS MEASURED BY FT-NEAR INFRARED SPECTROSCOPY
Satu Maria Virtanen, Osmo Antikainen, Heikki Räikkönen, Sari Airaksinen, Jouko Yliruusi

DD-W-114
LIPOSOMAL FORMULATION OF METHOTREXATE DIGLYCERIDE PRODRUG
Elena Vodovozova, Natalya Kuznetsova, Galina Gaenko, Julian Molotkovsky

DD-W-115
APPLICATION OF SUGAR END-CAPPED POLY-DL-LACTIC ACID AS A NOVEL CARRIER POLYMER IN ORAL CONTROLLED-RELEASE MATRIX TABLETS
Sirpa Vuorinen, Jyrki Heinämäki, Timo Repo, Jouko Yliruusi

DD-W-116
EFFECT OF CAPSAICIN ON DICLOFENAC DIETHYLAMMONIUM ABSORPTION FROM ADHESIVE PATCH INTO MOUSE SKIN.
Neti Waranuch, Kornkanok Ingkaninan, Mondhon Sanguansermsri

DD-W-117
STUDIES ON METHOD FOR PREDICTING DISINTEGRATION TIME OF THE TABLET RAPIDLY DISINTEGRATING IN ORAL CAVITY BY COMPACTION ANALYSIS USING TABELTING PROCESS ANALYZER
Yoshiteru Watanabe, Yoshihisa Yamamoto, Yusuke Shibata, Masuo Kondoh, Makiko Fujii

DD-W-118
CHARACTERIZATION OF DRUG SUBSTANCE IN THE AMORPHOUS STATE PREPARED BY CRYOMILLING
Ilse Weuts, Sigrid Stokbroekx, Koen Vanhoutte, Marcus E. Brewster

DD-W-119
ENHANCING THE LYOPHILIZATION EFFICIENCY OF A LIPOSOMAL PACLITAXEL FORMULATION (ENDOTAG-1TM)
Michael Wiggenhorn, Heinrich Haas, Klaus Drexler, Gerhard Winter

DD-W-120
SIMULATION MODELING FOR RELEASE OF THERAPEUTIC FACTOR PRODUCED BY ENCAPSULATED CELLS
Jonna Maria Wikström, Syväjärvi Heli, Marjo Yliperttula, Arto Urtti

DD-W-121
THE METHOD OF PREPARATION DOES NOT AFFECT THE MISCIBILITY OF 17?-ESTRADIOL IN BLENDS WITH EUDRAGIT RS
Chutima Wiranidchapong, Ian Tucker, Thomas Rades, Poj Kulvanich

DD-W-122
EFFECT OF ALGINATE TYPES AND CONCENTRATIONS ON MICROENCAPSULATING PROPERTIES OF ALGINATE-CHITOSAN MICROPARTICLES
Sakchai Wittaya-areekul, Tasana Pitaksuteepong, Anan Ounaroon

DD-W-123
LOADING OF A NEW BEAD CELLULOSE TYPE WITH BENZOCAIN AND INVESTIGATION OF DRUG RELEASE
Bertram Wolf, Steffen Fischer, Chenhua Lou

DD-W-124
RISK ANALYSIS IN PHARMACEUTICAL DEVELOPMENT BY MEANS OF FAILURE MODE AND EFFECT ANALYSIS
Armin Wolff, Charnette Kerler

DD-W-125
DEVELOPMENT OF TABLET FORMULATIONS USING A NANOSUSPENSION
Arjen Wolterink

DD-W-126
THE EFFECT OF SOLVENT AND TERPENES ON PERCUTANEOUS ABSORPTION OF MELOXICAM
Pao-Chu Wu, Chang Jui-Sheng, Huang Yaw-Bin, Tsai Yi-Hung

DD-W-127
IMAGE ANALYSIS TO DETERMINE THE PORE SIZE DISTRIBUTION IN TABLETS USING A MORPHOLOGICAL SIEVE
Yu San Wu, Lucas J. Van Vliet, Henderik W. Frijlink, Kees Van der Voort Maarschalk

DD-W-128
Improvement of Dissolution Rate for Ibuprofen-Kollidon Solid Dispersion Systems by a pulse combustion dryer system-HYPULCON
Lu XU, Hisakazu SUNADA, Qi Fang WANG, San Ming LI

DD-W-129
THERAPEUTIC EFFECT OF TRANSPLANTING WISDOM TEETH-DERIVED MESENCHYMAL STEM CELLS INTO LIVER-INJURED RATS
Kiyohito Yagi, Midori Kojima, Etsuko Ikeda, Katsuhiro Isoda, Masuo Kondoh, Hajime Ohgushi

DD-W-130
GROWTH INHIBITORY EFFECTS BY RETINOIDS IN HUMAN HEPATOMA HEPG2 CELLS
Hiroko Yagi, Shigeru Kawakami, Fumiyoshi Yamashita, Mitsuru Hashida

DD-W-131
NOVEL BUCCAL ADHESIVE TABLETS OF DILTIAZEM USING YELLOW MUSTARD MUCILAGE: A PROMISING OPTION FOR IMPROVED BIOAVAILABILITY.
Sudhakar Yajaman

DD-W-132
MITO-Porter, a novel liposome-based mitochondrial delivery system via membrane fusion
Yuma YAMADA, Hidetaka AKITA, Hiroyuki KAMIYA, Kentaro KOGURE, Yasuo SHINOHARA, Hideo KOBAYASHI, Hiroshi KIKUCHI, Hideyoshi Harashima

DD-W-133
CHITOSAN OLIGOMERS AS POTENTIAL AND SAFE ABSORPTION ENHANCERS FOR IMPROVING THE PULMONARY ABSORPTION OF PROTEIN & PEPTIDE DRUGS IN RATS
Keigo Yamada, Hiromitsu Yoneda, Masaaki Odomi, Naoki Okada, Fujita Takuya, Akira Yamamoto

DD-W-134
IMPROVEMENT OF THE ORAL DRUG ABSORPTION OF TOPOTECAN THROUGH THE INHIBITION OF INTESTINAL XENOBIOTIC EFFLUX TRANSPORTER, BREAST CANCER RESISTANCE PROTEIN (BCRP), BY PHARMACEUTICAL EXCIPIENTS
Tetsuo Yamagata, Hiroyuki Kusuhara, Mariko Morishita, Kozo Takayama, Yuichi Sugiyama

DD-W-135
EFFECT OF SURFACTANT ON DRUG NANOPARTICLE FORMATION OBTAINED FROM PROBUCOL/ POLYVINYLPYRROLIDONE/SURFACTANT TERNARY GROUND MIXTURE
Keiji Yamamoto, Chalermphon Wanawongthai, Yuichi Tozuka, Kunikazu Moribe

DD-W-136
THE ROLE OF SURFACE CHARACTERISTICS OF POLY LACTIC-CO-GLYCOLIC ACID NANOPARTICLE FOR DRUG TARGETING TO BRAIN
Hiromitsu Yamamoto, Yuta Miyazaki, Jorg Kreuter, Hirofumi Takeuchi, Yoshiaki Kawashima

DD-W-137
IN VIVO AND *IN VITRO* ANALYSES ON THE SPECIES DIFFERENCE IN ORAL DRUG ABSORPTION IN DOGS, MONKEYS AND HUMANS
Shinji Yamashita

DD-W-138
FACTORS AFFECTING RELEASE RATE OF DILTIAZEM HYDROCHLORIDE FROM POLY (2-HYDROXYETHYL METHACRYLATE) MATRICES
Fumiki Yanagawa, Yoshinori Onuki, Mariko Morishita, Kozo Takayama

DD-W-139
POLYMERIC CONTROLLED RELEASE BARRIERS: SUITABILITY OF FREE FILMS AS SURROGATES FOR COATINGS
QiaoWen YANG, Marie-Pierre Flament, Florence SIEPMANN, Juergen SIEPMANN, Catherine HERRY, Virginie BUSIGNIES, Bernard Leclerc, Pierre TCHORELOFF

DD-W-140
ENHANCED UPTAKE OF MANNOSYLATED LIPOSOMES BY INCREASING MANNOSE DENSITY FOR ALVEOLAR MACROPHAGE-SELECTIVE TARGETING
Wassana Yeeprae, Shigeru Kawakami, Mitsuko Takenaga, Rie Igarashi, Fumiyoshi Yamashita, Mitsuru Hashida

DD-W-141
IN VITRO AND *IN VIVO* CHARACTERIZATION OF BIODEGRADABLE FLURBIPROFEN IMPLANTS
Aysu Yurdasiper, Gokhan Ertan

DD-W-142
PREPARATION OF FLURBIPROFEN MICROSPONGES FORMULATED IN DIFFERENT GELS AND EVALUATION OF ANTIINFLAMMATORY ACTIVITY
Aysu Yurdasiper, Buket Kaynarsoy, Ferhan Sevgi

DD-W-143
THE COMPARATIVE EFFECTS OF MEFENAMIC ACID MICROSPONGE FORMULATIONS WITH DIFFERENT POLYMERS ON THE RAT BRAIN CORTEX DNA
Aysu Yurdasiper, Buket Kaynarsoy, Ferhan Sevgi, Ezgi Turunc, Ayfer Yalcin

DD-W-144
RIFAMPICIN ENTRAPPING LIPOSOMES FOR DELIVERY TO THE LUNGS BY NEBULIZATION.
Marco Zaru, Spyros Mourtas, Pavlos Klepetsanis, Anna Maria Fadda, Sophia G. Antimisiaris

DD-W-145
MICROVISCOMETRY: A POTENTIAL TECHNIQUE TO STUDY POLYMER DISSOLUTION AND *IN VITRO* DRUG RELEASE KINETICS BASED ON HYDROPHILIC SWELLABLE MATRICES
Liang Zhang, Hannah K Batchelor

DD-W-146
EVALUATION OF BUCCAL TABLETS FOR OESOPHAGEAL DRUG DELIVERY: POLYMERIC RELAXATION AND *IN VITRO* DRUG DISSOLUTION
Liang Zhang, Hannah K Batchelor

DD-W-147
IN VITRO- FORMULATION OF MICONAZOLE CHEWABLE TABLETS FOR OESOPHAGEAL INFECTION
Liang Zhang, Hannah K Batchelor

DD-W-148
EFFECTIVE DELIVERY OF ANTISENSE OLIGONUCLEOTIDE TO LIVER FOR TREATMENT OF FULMINANT HEPATITIS
Junfeng Zhang, Lei Dong, Shuying Gao

DD-W-149
STUDY ON THE PARAMETERS INFLUENCING THE SECABILITY OF SCORED TABLETS
Zsolt Zsigmond, István Antal, Zsuzsa Jámbor, Mária Egri

DD-W-150
ADHESION RECEPTORS MEDIATE - EFFICIENT NON-VIRAL GENE DELIVERY
Inge Susan Zuhorn, Dharamdajal Kalicharan, George Thomas Robillard, Dick Hoekstra

DD-W-151
MECHANISMS OF ABSORPTION OF LYCOPENE FROM THE GASTRO-INTESTINAL TRACT OF THE RAT.
Brendan Griffin, Caitriona O'Driscoll, Waleed Faisal

DD-W-152
PREPARATION AND CHARACTERIZATION OF INSULIN NANOPARTICLES USING CHITOSAN AND ITS QUATERNIZED DERIVATIVES
Akbar Bayat

Medicinal Chemistry and Natural Products

MC-W-001
THE NOVEL PRIMAQUINE DERIVATIVES OF N-ALKYL, CYCLOALKYL OR ARYL UREA: SYNTHESIS, CYTOSTATIC AND ANTIVIRAL ACTIVITY EVALUATIONS
Zrinka Rajic, Gabrijela Dzimbeg, Branka Zorc, Marijeta Kralj, Katja Ester, Kresimir Pavelic, Jan Balzarini, Erik De Clercq, Mladen Mintas

MC-W-002
A STUDY OF H-BOND IN A GROUP OF NSAID HYDROXAMIC ACID DERIVATIVES BY FTIR AND NMR SPECTROSCOPY
Zrinka Rajic, Milena Jadrijevic-Mladar Takac, Marijana Vinkovic, Branka Zorc, Vedran Takac

MC-W-003
THE ANTIANDROGENIC ACTIVITY OF NEW STEROIDAL ESTERS.
Elena Ramirez-lopez, Eugene Bratoeff, Marisa Cabeza, Victor Perez, Juan Gonzalez, Tania Segura, Leonila Vicuña, Armando Zambrano

MC-W-004
NEW METHOD FOR THE PREPARATION OF METHOXYPOLY(OXY ETHYLENE)PROPIONIC ACID AS SECOND GENERATION OF PEGYLATION REAGENT
Abdolhossain Rouholamini Najafabadi, Firoozpour Ahmad, Amini Mohsen, Gilani Kambiz, Rafiee-Tehrani Morteza, Shafiee Abbas

MC-W-005
SYNTHESIS OF 6-AZIDO-6-DEOXY- -D-GLUCOPYRANOSE AND -D-GLUCOPYRANOSYL-(1? 4)-6-AZIDO- 6-DEOXY- -D-GLUCOPYRANOSE FROM D-GLUCOSE AND D- CELLOBIOSE RESPECTIVELY AND THE ENZYMATIC CONFIRMATION OF THESE SYNTHESES.
Yasser Saber, Sharareh SALAR-BEHZADI, Borjana Lubura, Sabina Bogner, Frank M. Unger, Helmut Viernstein

MC-W-006
SYNTHESIS, CHARACTERIZATION, ANTIFUNGAL AND ANTIBACTERIAL ACTIVITY OF NEW 3,4,5-TRISUBSTITUTED-1,2,4-TRIAZOLES
Ioana Saramet, Stefania-Felicia Barbuceanu, Gabriela Laura Almajan, Beatrice Hustiu

MC-W-007
INHIBITION OF HUMAN PLATELET AGGREGATION BY ARTEMISIA DRACUNCULUS LEAVES EXTRACT
Leila Shahriyary, Razieh Yazdanparast

MC-W-008
PHARMACOGNOSTICAL, PHYTOCHEMICAL SCREENING OF THE LEAF EXTRACTS OF PITHECELLOBIUM DULCE BENTH? AND ITS INVITRO ASSAY AGAINST MYCOBACTERIUM TUBERCULOSIS AND ASSOCIATED SECONDARY INFECTIONS.
Shanmugakumaran Shanthi Diraviyam, Amerjothy Swaminathan, Balakrishna Kandaswamy

MC-W-009
HIGH-PERFORMANCE LIQUID CHROMATOGRAPHIC DETERMINATION OF ASCORBIC ACID IN BRASSICA OLERACEA L. VAR. ITALICA
Maryam Shekarchi, Fariba Khalili, Noushin Adib, Morteza Pirali hamedani, Zahra Afshari

MC-W-010
BIOMIMETIC METALLO-PORPHYRIN RECEPTORS
Maria Shoshan, Galina Melman, Abraham Shanzer

MC-W-011
HIERARCHICAL QSAR ANALYSIS OF ANTIMALARIAL ARTEMISININ DERIVATIVES
Suman Sirimulla, William C. Herndon

MC-W-012
DISCOVERY OF S-(2-GUANIDYLETHYL)-ISOTHIOUREA (VUF 8430) AS A POTENT NON-IMIDAZOLE HISTAMINE H4 RECEPTOR AGONIST
Rogier Smits

MC-W-013
ELECTROSTATIC POTENTIAL AS AN EXPERIMENTAL OR A THEORETICAL TOOL FOR A BETTER UNDERSTANDING OF DRUG INTERACTIONS
Anne Spasojevic-de Bire, Nour Eddine Ghermani

MC-W-014
DESCRIPTION OF AN ANTIPROLIFERATIVE AND ANTIBACTERIAL COMPOUND: ELECTROSTATIC PROPERTIES DERIVED FROM HIGH RESOLUTION X-RAY DIFFRACTION AND MOLECULAR INTERACTION FIELDS. A NEW COMBINED STUDY
Anne Spasojevic-de Bire, Branko Drakulic, Goran A Bogdanovic, Sladjana Novakovic, Ivan Juranic

MC-W-015
AGE INHIBITORY AND CYTOTOXIC ACTIVITIES OF FLAVONOIDS FROM UVARIA RUFA
Rutt Suttisri, Khanittha Deepralard, Thitima Pengsuparp, Kazuko Kawanishi, Masataka Moriyasu

MC-W-016
DESIGN, SYNTHESIS AND PHARMACOLOGICAL CHARACTERIZATION OF 1,2,5,6-TETRAHYDROPYRIDINE DERIVATIVES AS SELECTIVE M1, M2 AND M4 MUSCARINIC AGONISTS
Frederick Tejada, Jason Dorsey, Peter Nagy, Melissa Rieman, Min Xu, William S. Messer, Jr.

MC-W-017
ANTITRYPANOSOMAL ACTIVITY OF QUATERNARY NAPHTHALIMIDE DERIVATIVES
Maximilian Tischer, Mathias Muth, Verena Hoerr, Melanie Glaser, Alicia Ponte-Sucre, Heidrun Moll, August Stich, Ulrike Holzgrabe

MC-W-018
ACONITUM AND DELPHINIUM SP. ALKALOIDS: DRUG OR POISON? MOLECULAR MODELLING INVESTIGATIONS AND QSAR STUDIES
Malakhat Turabekova, Bakhtiyor Rasulev, Farkhad Dzhakhangirov

MC-W-019
MOLECULAR MODELLING AND SPECTROSCOPIC INVESTIGATIONS OF SOME ISOQUINOLINE ALKALOIDS WITH ANTIPARASITIC PROPERTIES
Malakhat Turabekova, Valentina Vinogradova, Mikhail Levkovich, Bakhtiyor Rasulev, Karl Werbovetz, Nosir Abdullaev

MC-W-020
SYNTHETIC AND ANTICANCER EVALUATION OF FUROQUINOLINE DERIVATIVES
Cherng-Chyi TZENG, Yeh-Long Chen, Pei-Jung Lu

MC-W-021
MICROWAVE AND ULTRASOUNDS ASSISTED REACTIONS BETWEEN SOME NEW DIAZINIC COMPOUNDS AND THEIR ANTIMICROBIAN ACTIVITY USED IN MACROCYCLIC CHEMISTRY
MARGARETA UNGUREANU, Antonia Poiata, Cristina Tuchilus, Ondina Florea, Mariana Livadariu, I. Ionel Mangalagiu

MC-W-022
THE TESTING OF THE SYNTHESIS AND ANTITUBERCULOSIS ACTIVITY OF SOME NEW THIADIAZOLIC AND TRIAZOLIC DERIVATIVE
MARGARETA UNGUREANU, Cristina Archip

MC-W-023
COLON TARGETED DELIVERY OF 5-ASA THROUGH MUTUAL PRODRUG CONCEPT: SYNTHESIS, KINETIC STUDIES AND PHARMACOLOGICAL EVALUATION
Gaurav Vadnerkar, Suneela Dhaneshwar, Mini Kandpal, S.S. Kadam

MC-W-024
ANTI-ANGIOGENESIS AND ANTITUMOR EFFECTS OF AZATYROSINAMIDES
Hui-po Wang, Jen-fei Wang, Lee Ching-yi, Chun-li Wang

MC-W-025
THE EFFECT OF D-PHENYLGLYCINE ON DRUG SERUM ALBUMIN BINDING
Hui-po Wang, Yang Ming-Hsiu, Lee Ching-yi, Chaung Yueng-Hsiang

MC-W-026
THE TYROSINASE-INHIBIT ACTIVITY OF SOME FRUIT EXTRACTS
Yen-Jen Wang, Yu-Chi Hou, Kuo-Ching Wen, Hsiu-Mei Chiang, Shang-Yuan Tsai

MC-W-027
CYTOPROTECTION OF HUMAN ENDOTHELIAL CELLS FROM OXIDATIVE STRESS BY CAFFEIC ACID PHENETHYL ESTER AND ITS FLUORINATED DERIVATIVES: EFFECTS ON HEME OXYGENASE-1 AND DIRECT ANTIOXIDANT ACTIVITIES
Xinyu Wang, Phillip Bowman, James Bynum, Salomon Stavchansky

MC-W-028
NITRIC OXIDE-DONATING ASPIRIN (NO-ASA): THE TALE OF A MISUNDERSTOOD MOLECULE.
Maikel Wijtmans, Niels Hulsman, Jan Paul Medema, Carina Bos, Aldo Jongejan, Rob Leurs, Martine Smit, Iwan De Esch, Dick Richel

MC-W-029
MELANOMA TARGETED LYSOSOMOTROPIC DETERGENTS
Markus Wolf

MC-W-030
EVALUATION OF SOMATOSTATIN ANALOGS COMPRISING DNA AFFINE N-(2-DIALKYLAMINOETHYL)BENZAMIDES FOR TARGETED CANCER THERAPY
Markus Wolf

MC-W-031
ETHNOMEDICAL EVALUATION ON DYSURIA: A STUDY AT PON DISTRICT, KHON KAEN (THAILAND)
Varima Wongpanich, Bungorn Sripanidkulchai, Piyatat Tatsanavivat, Kusuma Chusilp, Jamsai Suwansaksri, Somsong Na-Nakorn

MC-W-032
SYNTHESIS AND ANTIPROLIFERATIVE EVALUATION OF FURO[3,2-A]CARBAZOLE DERIVATIVES
Shyh-Chyun Yang, Bo-Sheng Lin, Cherng-Chyi Tzeng

MC-W-033
SYNTHESIS AND EVALUTION OF CYTOTOXIC TAIWANIN A DERIVATIVES
Kuo Yueh-Hsiung, Jang-Yang Chang, Ching-Chuan Kuo, Yung-Shung Wein

MC-W-034
STRUCTURAL OPTIMIZATION OF THE PIRINIXIC ACID LEAD STRUCTURE AS A DUAL PPAR ALPHA/GAMMA AGONIST.
Heiko Zettl

MC-W-035
COMPARATIVE STUDYING OF ANALGESIC AND ANTICONVULSIVE ACTIVITY OF NITROPHENYLSULFOCHLORIDES WITH NORBORNENE, NORBORNANE AND ADAMANTANE FRAGMENTS
Helena Zlenko, Liliya Kasyan, Andrey Kasyan, Stanislav Pridma

Pharmaceutical Analysis, Bioanalysis, Quality Assurance/ Control and Regulatory Affairs

PA-W-001
DIFFERENTIAL PROTEOMIC ANALYSIS OF EGG WHITE PROTEINS; INTERSPECIES VARIABILITY OF PROTEOME
Jeong Hill Park, Si Hun Roh, Na Young Kim, Sung Won Kwon

PA-W-002
NMR-BASED METABOLOMICS APPROACH FOR THE DIFFERENTIATION OF GINSENG ROOTS FROM DIFFERENT ORIGINS
Jeong Hill Park, Jinho Kang, Cindy Lee, Moon Young Choi, Na Young Kim, Sung Won Kwon, Sunghyouk Park

PA-W-003
HPTLC ESTIMATION OF CHARANTIN IN MARKETED POLYHERBAL ANTIDIABETIC FORMULATIONS.
Piyush Patel

PA-W-004
A SIMPLE METHOD FOR DETERMINATION OF ACENOCOUMAROL IN CAPSULES MAGISTRALS
Anh-Thu Phung-Nguyen, Achour Leila, Ratiney Robert

PA-W-005
DETERMINATION OF METRONIDAZOLE IN HUMAN SERUM AND SALIVA BY GAS CHROMATOGRAPHY
Florica Popescu, Baniceru Mihaela, Popescu Sanda Mihaela, Octavian Croitoru, Johny Neamtu

PA-W-006
DEVELOPMENT OF A RAPID HPLC METHOD FOR DETERMINATION OF TRAMADOL AND ITS THREE MAIN METABOLITES IN HUMAN PLASMA, SALIVA AND URINE
Mohammadreza Rouini, Yalda Hosseinzadeh Ardakani

PA-W-007
SIMULTANEOUS DETERMINATION OF SULFAMETHOXAZOLE AND TRIMETHOPRIM IN HUMAN PLASMA FOR HIGH THROUGHPUT ANALYSIS AND ITS APPLICATION: COMPARISON OF SPE-HPLC-UV AND SPE-LC-MS/MS
Davi Santana, Danilo Bedor, Talita Gonçalves, Marema Ferreira, Carlos Sousa, Andre Menezes, Eduardo Oliveira

PA-W-008
CYTOTOXIC GLUCOSE DEGRADATION PRODUCTS IN FLUIDS FOR PERITONEAL DIALYSIS
Maryam Shekarchi, Noushin Adib, Morteza Pirali hamedani, Simin Dashti

PA-W-009
BIOEQUIVALENCE OF BIOACTIVE MARKERS BETWEEN CONCENTRATED HERBAL FORMULA AND TRADITIONAL HERBAL DECOCTION OF SHSST IN HUMANS
CHI-SHENG SHIA, Pei-Dawn Lee Chao, Su-Lan Hsiu, Pei-Shiung Hsieh, Yu-Chi Hou

PA-W-010
QUANTITATIVE DETERMINATION OF NONIONIC SURFACTANTS USING THE CHARGED AEROSOL DETECTOR (CAD)
Carmen Staar

PA-W-011
EFFECT OF JAPANESE ENCEPHALITIS VACCINE PURIFICATION PROCESS ON QUANTITY AND PHYSIOLOGICAL PROPERTIES OF JAPANESE ENCEPHALITIS VIRUS
Seeopa Suksiengsri, Garnpimol C. Ritthidej, Vimonmas Lipipun

PA-W-012
STATIC LIGHT SCATTERING AND SMALL-ANGLE NEUTRON SCATTERING FOR ANALYZING THE STRUCTURE OF PROTEIN AGGREGATES
Marc Sutter, Aissa Ramzi, Wim Hennink, Wim Jiskoot

PA-W-013
NILE RED FLUORESCENCE AS A SENSITIVE SPECTROSCOPIC INDICATOR FOR THE FORMATION OF LARGE AND DENATURED PROTEIN AGGREGATES
Marc Sutter, Sabrina Oliveira, Niek Sanders, Bart Lucas, Arie Van Hoek, Mark Hink, Antonie Visser, Stefaan De Smedt, Wim Hennink, Wim Jiskoot

PA-W-014
CHARACTERIZATION OF PARENTERAL PARTICLE POPULATIONS BY FLOW MICROSCOPY
David Thomas, Peter Moore

PA-W-015
QUALITY CONTROL OF POLYPHENOL GLYCOSIDES CONTENTS IN CHINESE HERBS
Hui-Ting Tsao, Pei-Ling Hsiao, Hsiu-Mei Chiang, Kuo-Ching Wen

PA-W-016
POTENTIOMETRIC SENSORS: A HIGHLY PROMISING PLATFORM FOR PHARMACEUTICAL ANALYSIS!
Koen Vanhoutte, Roy De Maesschalck, Nico Vervoort, Hugo Bohets, Marcus Brewster, Luc Nagels

PA-W-017
A BIO-ANALYTICAL METHOD FOR THE DETERMINATION OF NELFINAVIR IN PLASMA
Jinda Wangboonskul, Raymond Reid

PA-W-018
QUANTITATIVE DETERMINATION OF GLIMEPIRIDE IN HUMAN PLASMA BY LIQUID CHROMATOGRAPHY-ELECTROSPRAY IONIZATION TANDEM MASS SPECTROMETRY
Triporn Wattananat, Wiyada Akarawut

PA-W-019
PEROXIDASE-BASED BIOSENSOR FOR DRUG BIOTRANSFORMATION STUDIES AND SCREENING OF THIOLS
Donghui Yu, Bertrand Blankert, Jean-Michel Kauffmann

PA-W-020
THE USE OF SEMI UPLC-MS/MS TECHNOLOGY IN BIOANALYTICAL APPLICATIONS
Kean Woodmansey, Stephen Brookes, Andrew Rawlins

PA-W-021
USING A NOVEL TRAVELLING WAVE ION MOBILITY DEVICE COUPLED WITH A TIME-OF-FLIGHT MASS SPECTROMETER FOR THE ANALYSIS OF INTACT PROTEINS AND BIOPHARMACEUTICALS
Jennifer Anne Burgess, Jason Wildgoose, Therese McKenna, Mark McDowall, Stephanie Dudd, Christopher Hughes, Kevin Giles, Steven Pringle, Iain Campuzano, James Langridge, Robert H Bateman, M. Van Oosterhout

Pharmaco-epidemiology and Pharmacovigilance

PE-W-001
TOLERANCE STUDY OF NARCOTIC TRANSDERMAL MEDICINE DELIVERED IN THE PHARMACY AMBULATORY UNITY (PAU)
Catarina Soares, Maria Martins

PE-W-002
VARIABLE ACCESS TO CLOPIDOGREL IN A HARMONISED EU MARKET
Pieter Stolk, Svetlana V Belitser, Hubert GM Leufkens, Eibert R Heerdink

PE-W-003
LABORATORY MONITORING FOR HIT IN LMWH TREATMENT
Maarten Ten Berg, Albert Huisman, Patricia M.L.A. Van den Bemt, A. (Fred) F.A.M. Schobben, A. (Toine) C.G. Egberts, Wouter W. Van Solinge

PE-W-004
IMPROVEMENT OF PHARMACEUTICAL MANAGEMENT BY COMPUTER SYSTEM.
Kosuke Tomishima, Jyunichi Kunimasa, Yozo Shimizu

PE-W-005
ANALGESIC AND NON-STEROIDAL ANTI-INFLAMMATORY DRUG PRESCRIBING TO PATIENTS USING TRIPTANS
Ilse Truter

PE-W-006
METHYLPHENIDATE PRESCRIBING TO CHILDREN AND ADOLESCENTS IN THE NINE PROVINCES OF SOUTH AFRICA
Ilse Truter

PE-W-007
SERUM LIPID-MODIFYING AGENTS: A LONGITUDINAL PRESCRIPTION DATABASE STUDY
Ilse Truter

PE-W-008
ASSOCIATION BETWEEN THE SER9GLY POLYMORPHISM ON DRD3 AND THE RISK OF TARDIVE DYSKINESIA: META-ANALYSIS OF 2944 SCHIZOPHRENICS
Huei-Ting Tsai

PE-W-009
ROLE OF PHARMACISTS IN THE ADEQUATE USE OF BLOOD COAGULATION INHIBITORS
Teruo Tsuchiya, Hitomi Teramachi, Hiroichi Nagai

PE-W-010
INTERNATIONAL CLASSIFICATION OF DISEASES CODES SHOWED MODEST SENSITIVITY FOR DETECTING COMMUNITY-ACQUIRED PNEUMONIA
Ewoudt MW Van de Garde, Jan Jelrik Oosterheert, Marc Bonten, Robert C Kaplan, Hubert GM Leufkens

PE-W-011
EVALUATION OF PATIENTS EXPERIENCES WITH ANTIDEPRESSANTS REPORTED TO A MEDICINE REPORTING SYSTEM
Katja Van Geffen, Ingeborg Wilting

PE-W-012
RATES AND DETERMINANTS OF REINITIATING ANTIHYPERTENSIVE THERAPY AFTER PROLONGED STOPPAGE: A POPULATION BASED STUDY
Boris Leonard Van Wijk, Alan M Brookhart, Jerry Avorn, Olaf H Klungel, Eibert R Heerdink, Daniel H Solomon, Anthonius De Boer

PE-W-013
DRUGS ASSOCIATED WITH ADVERSE REACTIONS ON BOTH KIDNEY AND EAR SHARE EFFECTS ON ION TRANSPORT SYSTEMS
B. Marianne Verdel, Patrick C. Souverein, Eugène P. Van Puijenbroek, Hubert G.M. Leufkens, Antoine C.G. Egberts

PE-W-014
DOES CONCOMITANT USE OF SEROTONERGIC ANTIDEPRESSANTS INCREASE THE RISK OF LITHIUM INDUCED POLYURIA? A MULTICENTER CHART STUDY
Ingeborg Wilting, Eibert R. Heerdink, Kris.M. Movig, Jan H.M. Laarhoven van, Antoine C.G. Egberts, Willem A. Nolen

Pharmacokinetics and Pharmacodynamics

KD-W-001
METHADONE TO REDUCE CALCIUM ION INFLUX IN OPIOID TOLERANT DORSAL ROOT GANGLIA NEURONS: A MODEL SYSTEM FOR PEDIATRIC OPIOID ABSTINENCE SYNDROME.
Kristin Satterfield, Alan Light, Ph.D., Steven Kern, Ph.D.

KD-W-002
DETERMINATION OF CARBAMAZEPINE AND ITS MAIN METABOLITE CARBAMAZEPINE 10, 11-EPOXIDE IN RAT BRAIN MICRODIALYSATE AND BLOOD USING ESI-LC-MS (ION TRAP)
Erol Sener, Tansel Korkmaz, Duygu Yeniceli, Dilek Dogrukol-Ak, Muzaffer Tuncel, Nese Tuncel

KD-W-003
QUANTITATIVE PREDICTION OF PHARMACOKINETIC ALTERATIONS CAUSED BY DRUG-DRUG INTERACTIONS USING A COMPUTER PROGRAM
Yoshihisa Shitara, Toshiharu Horie, Yuichi Sugiyama

KD-W-004
PHARMACOKINETIC EVALUATION OF KETOROLAC TROMETHAMINE LOADED BIODEGRADABLE MICROSPHERES VIS- -VIS KETOROLAC TROMETHAMINE INJECTION (KETANOV) IN RABBITS
V R Sinha, A Trehan

KD-W-005
STATIN INDUCED MYOTOXICITY: THE LACTONE FORMS ARE MORE POTENT THAN THE ACID FORMS IN HUMAN SKELETAL MUSCLE CELLS *IN VITRO*
Ine Blankenberg Skottheim, Solmaz Hejazifar, Ane Gedde-Dahl, Anders Åsberg

KD-W-006
STRATEGIES FOR VANCOMYCIN DOSAGE OPTIMISATION DURING CONTINUOUS VENOVENOUS HAEMODIAFILTRATION (CVVHDF) - HOW USEFUL IS THERAPEUTIC DRUG MONITORING DATA?
Almath Maire Spooner, Owen I. Corrigan, Maria B Donnelly

KD-W-007
PHARMACOKINETIC-PHARMACODYNAMIC (PK-PD) ANALYSIS OF APOMORPHINE-INDUCED PROLACTIN RESPONSES IN THE RAT USING MICRODIALYSIS
Jasper Stevens, Margret C.M. Blom-Roosemalen, Piet Hein Van der Graaf, Meindert Danhof, Elizabeth C.M. De Lange

KD-W-008
DEVELOPMENT AND EVALUATION OF A NEW, MINIMAL-STRESS ANIMAL MODEL FOR INTRANASAL ADMINISTRATION OF DOPAMINERGIC DRUGS IN FREELY MOVING RATS
Jasper Stevens, Ernst Suidgeest, Piet Hein Van der Graaf, Meindert Danhof, Elizabeth C.M. De Lange

KD-W-009
PROTEIN BINDING OF FLUCLOXACILLIN IN NEONATES
Leo Marie Lambert Stolk, J Pullen, P.L.J. Degraeuwe, F.H. Van Tiel, C Neef, L.J.I. Zimmermann

KD-W-010
PHARMACOKINETICS AND IMMUNOMODULATORY EFFECTS OF VERAPAMIL IN MICE
Joanna Szymura-Oleksiak, Elzbieta Wyska

KD-W-011
PARMACOKINETICS OF TACROLIMUS AND MYCOPHENORIC ACID IN RENAL TRANSPLANT RECIPIENTS
Hiroaki Tanaka, Noriyasu Fukuoka, Masashi Inui, Rikiya Taoka, Kumiko Tani, Kawata Yuko, Chiaki Doi, Naoki Shinohara, Yoshiyuki Kakehi, Hitoshi Houchi

KD-W-012
ASSESSMENT OF PHARMACOKINETIC INTERACTION BETWEEN TRIMETHOPRIM AND PALIPERIDONE EXTENDED RELEASE IN HEALTHY SUBJECTS.
An Thyssen, Herta Crauwels, Adriaan Cleton, Sandra Boom, Nancy Van Osselaer, Jos Leempoels, Luc Janssens, Marielle Eerdekens, Joe Palumbo

KD-W-013
EFFECTS OF RENAL IMPAIRMENT ON THE PHARMACOKINETICS OF PALIPERIDONE EXTENDED RELEASE
An Thyssen, Herta Crauwels, Adriaan Cleton, Sandra Boom, Nancy Van Osselaer, Karl Molz, Luc Janssens, Marielle Eerdekens, Joe Palumbo

KD-W-014
EFFECTS OF HEPATIC IMPAIRMENT ON THE PHARMACOKINETICS OF PALIPERIDONE IMMEDIATE-RELEASE
An Thyssen, Herta Crauwels, Adriaan Cleton, Sandra Boom, Nancy Van Osselaer, Karl Molz, Luc Janssens, Marielle Eerdekens, Joe Palumbo

KD-W-015
PRE-, EX- AND *IN-VIVO* EVALUATION OF [68GA]-EDTMP AS A POTENTIAL PET BONE IMAGER.
Stefan Toegel, Markus Mitterhauser, Wolfgang Wadsak, Rupert Lanzenberger, Claudia Kuntner, Thomas Wanek, Robert Dudczak, Kurt Kletter, Helmut Viernstein

KD-W-016
DIFFERENT DIURETIC RESPONSE TO NON-STEROIDAL AND STEROIDAL ANTI-INFLAMMATORY DRUGS
Petra Turcic, Ita Samarûija

KD-W-017
SUPPLEMENTATION OF ESTRADIOL INCREASES THE EFFICACY ON BONE OF A NEW NON-STEROIDAL ORALLY ACTIVE ANDROGEN IN ORCHIDECTOMIZED RATS
Ruud Ubink, Jolanda Van Duren, Attia Diana, Arijan Grootenhuis, Ederveen Antwan, Jaap Van der Louw

KD-W-018
EXTRACTS OF PASSIFLORA FOETIDA EXHIBIT ANTIDEPRESSANT ACTIVITY IN MICE WHICH MAY INVOLVE D1 AND 5-HT1A RECEPTORS
Surachai Unchern, Panu Wijagkanalan, Thitima Pengsuparp, Rutt Suttisri, Duangdeun Meksuriyen

KD-W-019
A BIOEQUIVALENCE STUDY OF LEVODOPA/CARBIDOPA: STRESS IN HEALTHY VOLUNTEERS DURING THE STUDY.
Maria Viola, Gloria Levin, Gabriela Gutierrez Moyano, Maria Zambrano, Monica Bustos, Federico Santoro, Marta Barontini, Rodolfo Rey

KD-W-020
THE TIME-COURSE OF ANALGESIC AND ANTIPYRETIC EFFECTS OF NAPROXEN IN RELATION TO PGE2 AND TXB2 INHIBITION AS MARKERS FOR CYCLOOXYGENASE ACTIVITY *IN VIVO*. PHARMACOKINETIC-PHARMACODYNAMIC CORRELATIONS
Sandra Visser, Elke Krekels, Kristina Ängeby Möller, Marie Angesjö, Ingemo Sjögren, Odd-Geir Berge

KD-W-021
PHARMACOKINETIC INTERACTION BETWEEN FLUOXETINE AND OMEPRAZOLE IN HEALTHY VOLUNTEERS
Laurian Vlase, Sorin Leucuta

KD-W-022
EXTRAPOLATION OF *IN VITRO* TRANSPORT AND METABOLISM DATA TO *IN VIVO* PHARMACOKINETICS BASED ON PHYSIOLOGICALLY BASED PHARMACOKINETIC (PBPK) MODELING
Takao Watanabe, Hiroyuki Kusuhara, Kazuya Maeda, Yuichi Sugiyama

KD-W-023
INFLUENCE OF MATRIGEL MATRIX ON BIODISTRIBUTION STUDIES
Markus Wolf, Helmut Eskerski

KD-W-024
PHARMACOKINETICS OF THE BARK OF POLYGONUM CUSPIDATUM AND INTERACTION WITH METHOTREXATE IN RATS
Meng-Hao Wu, Su-Lan Hsiu, Pei-Dawn Lee Chao, Yu-Chi Hou

KD-W-025
CNS-BIOAVAILABILITY OF ST. JOHN`S WORT CONSTITUENTS
Mario Wurglics, Manfred Schubert-Zsilavecz, Alexander Paulke

KD-W-026
PHARMACOKINETIC-PHARMACODYNAMIC MODELING OF LISOFYLLINE IN MICE WITH LPS-INDUCED SEPTIC SHOCK
Elzbieta Wyska, Joanna Szymura-Oleksiak, Elzbieta Pekala

KD-W-027
A NOVEL PHARMACOKINETIC/ PHARMACODYNAMIC (PK/PD) APPROACH TO PREDICT TOTAL PREDNISOLONE LEVELS IN HUMAN PLASMA
Jian Xu, Julie Winkler, Hartmut Derendorf

KD-W-028
CHARACTERIZATION OF INTERACTIVE BINDING TO THE TWO PRINCIPAL LIGAND BINDING SITES OF HUMAN SERUM ALBUMIN: EFFECTS OF FATTY ACID BINDINGS
Keishi Yamasaki, Toru Maruyama, Ulrich Kragh-Hansen, Ayaka Suenaga, Ikuko Ogata, Hakaru Seo, Masaki Otagiri

KD-W-029
PHARMACOKINETIC/PHARMACODYNAMIC CORRELATION STUDY ON LONG-TERM ORAL AMIODARONE THERAPY
Madhusudan Rao Yamsani, Rajendran S.D, Thanikachalam S, Krishna D.R

Toxicology and Safety Sciences

TOX-W-001
STUDY CONCERNING THE ACUTE INTOXICATIONS IN INTENSIVE CARE UNIT, CLINICAL EMERGENCY HOSPITAL, CRAIOVA, ROMANIA
Mariana Aciu, Daniela Calina, Luminita Chiutu, Vivi Calina, Adina Turcu Stiolica, Alice Buteica

TOX-W-002
ACETAMINOPHEN-INDUCED HEPATOTOXICITY AMELIORATING EFFECTS OF AFRICAN RED PALM OIL IN RAT
Adejuwon Adewale Adeneye, Adokiye Senibo Benebo

TOX-W-003
DRUGS AND SUICIDE ATTEMPT-: THE ROLE OF THE PHARMACIST
Luke Ome Agada, Adeogo Eferakeya

TOX-W-004
MITOCHONDRIAL MEMBRANE PERMEABILITY TRANSITION AS THE MECHANISM OF MYOTOXICITY INDUCED BY HMG-COA REDUCTASE INHIBITORS
Hanako Ajima, Yoshihisa Shitara, Toshiharu Horie

TOX-W-005
INHIBITION OF HUMAN CYTOCHROME P450 ISOENZYMES BY CURCUMIN, AND STRUCTURAL ANALOGUES
Regina Appiah-Opong, Jan NM Commandeur, Iwan de Esch, Barbara van Vugt, Mayagustina Andarini, Nico PE Vermeulen

TOX-W-006
PARTICLE BORNE CONTAMINANTS: SKIN EXPOSURE FOLLOWING PENETRATION OF PERSONAL PROTECTIVE EQUIPMENT AND EFFECTIVE DECONTAMINATION PROTOCOLS
Rima Caccetta, Heather Benson, Yan Chen, John Genovese, Steve Wilkinson, Aaron Morton, Elaine Lindars

TOX-W-007
HEALTH CONCERNS AMONG SWIMMERS IN PUBLIC SWIMMING POOLS IN KHON KAEN PROVINCE , THAILAND
Kannikar Chatsantiprapa, Tossaporn Thaveevannabool

TOX-W-008
CYTOCHROME P450 BM3 MUTANTS AS TOOL FOR STRUCTURAL ELUCIDATION OF REACTIVE METABOLITES OF DRUGS.
Micaela Damsten, Barbara M. A. Van Vugt-Lussenburg, Jan Simon Boerma, Jan N. M. Commandeur, Nico P.E. Vermeulen

TOX-W-009
EVALUATING THE IMMUNOMODULATOR EFFECT OF PENTAMIDINE USING MOUSE SPLENOCYTES AS EXPERIMENTAL MODEL
Gabriela Delgado, Plaza David, Mariño Angelica

TOX-W-010
ACUTE PRENATAL HYPOXIC IMPACT: INFLUENCE ON THE DEVELOPMENT OF METABOLIC PARAMETERS OF WHITE RATS.
Tatyana Dunaeva, Anastasia Graf, Lidia Trofimova, Natalia Sokolova

TOX-W-011
SIMULTANEOUS DETERMINATION OF URINARY TRACE ELEMENTS CONCENTRATIONS IN PATIENTS WITH BLACKFOOT DISEASE BY DIFFERENTIAL-PULSE STRIPPING VOLTAMMETR
Ching-Jyi Horng

TOX-W-012
EFFECTS OF HYPERGLYCEMIA ON QUANTITATIVE LIVER FUNCTIONS BY THE GALACTOSE LOAD TEST IN DIABETIC RATS
Cheng-Huei Hsiong, Ton-Ho Young, Hung-Shang Tang, Herng-Sheng Lee, Oliver Yoa-Pu Hu

TOX-W-013
DOSE-DEPENDENT AND TIMING EFFECT OF RHUBARB COADMINISTRATION ON METHOTREXATE PHARMACOKINETICS IN RATS
Yu-ching Huang, Pei-Dawn Lee Chao, Hsiu-Mei Chiang, Su-Lan Hsiu

TOX-W-014
THE EFFECTS OF POLY(LACTIDE-CO-GLYCOLIDE) (PLGA) AND CHITOSAN BASED NANOPARTICLES ON HUMAN PLATELET AGGREGATION
Xue Li, Anna Radomski, Owen I Corrigan, Marek Radomski

TOX-W-015
POSSIBLE BIOMARKER FOR THE ASSESSMENT OF LIVER INJURY INDUCED BY PYRROLIZIDINE ALKALOID-CONTAINING HERBS
Ge Lin, Min Li, Yan Jiang, Wood Yee Chan

TOX-W-016
PHARMACOKINETICS OF ONION SKIN AND LETHAL INTERACTION WITH METHOTREXATE IN RATS
Yu-Chin Lin, Hsiu-Mei Chiang, Pei-Dawn Lee Chao, Yu-Chi Hou

TOX-W-017
POVIDONE-IODINE INDUCED SKIN BURN: CASE REPORT AND LITERATURE REVIEW
Pei-Chin Lin, Tseng Pi-Lai, Huang Yaw-Bin

TOX-W-018
IN VIVO PHOTOGENOTOXICITY TESTING, INDUCTION OF DNA DAMAGE IN SKIN CELLS AFTER ORAL EXPOSURE TO PSORALENES IN COMBINATION WITH UV LIGHT
Wilfred Maas, Van Meeuwen Richard, Reus Astrid, Salmon Florence, Krul Cyrille

TOX-W-019
TOXICOLOGICAL SCREENING OF A NEW EXTENDED RELEASE OLEAGINOUS GEL FORMULATION FOR INTRAMUSCULAR USE
Sumedha Nadkar, Kamalinder Singh

TOX-W-020
ISSUES ABOUT EXTRAHEPATIC FIBROSIS IN CHRONIC VIRAL HEPATITIS TREATED WITH INTERFERON
Johny Neamtu, Gabriela Iliescu, Florica Popescu, Cristin Vere, Liliana Dragomir, Oana Mariana Ionete

TOX-W-021
MECHANISM OF SPERMIDINE-INDUCED CELL DEATH IN MOUSE P19 EMBRYONAL CARCINOMA CELLS
Punnee Nusuetrong, Duangdeun Meksuriyen

TOX-W-022
WASTE MANAGEMENT IN SOME PHARMACEUTICAL INDUSTRIES IN NIGERIA
Nelson Ochekpe, Ndidi Ngwuluka

TOX-W-023
INVOLVEMENT OF P-GLYCOPROTEIN IN THE MITOCHONDRIAL TOXICITY INDUCED BY TROGLITAZONE
Takuya Okuda, Yoshihisa Shitara, Toshiharu Horie

TOX-W-024
RESIDUAL DDT, LEAD, CADMIUM AND NITRATES (III AND V) IN HUMAN MILK AND DIETARY HABITS AND ENVIRONMENTAL FACTORS
Regina Oledzka, Dorota Skrajnowska, Grazyna Pokorska-Lis, Andrzej Tokarz, Joanna Zytynska-Daniluk, Piotr Suchocki, Piotr Kalny

TOX-W-025
ALEMTUZUMAB AS TREATMENT FOR REFRACTORY CHRONIC LYMPHOCYTIC LEUKEMIA
Virginie PIOUD, Audrey LOCHARD, Mathieu BOULIN, Corinne PERNOT, Marie-hélène GUIGNARD

TOX-W-026
HEPATIC SIDE EFFECTS OF SIMVASTATIN THERAPY IN PATIENTS ADDMITED IN A MEDICAL CLINIC
Florica Popescu, Eliza Gofita, Floriana Ionica, Cristin Vere

TOX-W-027
IN VIVO TRIALS OF A NOVEL INSULIN NANOPARTICULATE SYSTEM: TOXICOLOGICAL STUDIES
Catarina Reis, Patrícia Nunes, Ana Soares, Tânia Laranjeira, Rui Carvalho, John Jones, Isabel V. Figueiredo, António M. S. Cabrita, António Ribeiro, Francisco Veiga

TOX-W-028
THE IMPACT OF COMPOSITE AUC ESTIMATES ON THE PREDICTION OF SYSTEMIC EXPOSURE IN TOXICOLOGY EXPERIMENTS.
Tarjinder Sahota, Oscar Della Pasqua, Gijs Santen

TOX-W-029
EFFECTS OF MATERNAL DIET ON THE EXPRESSION OF FATTY ACID TRANSPORTER PROTEINS FATP1 AND FATP4 IN THE OFFSPRING
Florence Salmon-te Rietstap, Heleen Wortelboer, Henk Hendriks, Wilrike Pasman, André Wolterbeek, Didima De Groot

TOX-W-00
EVALUATION OF INTRANASAL JAPANESE ENCEPHALITIS VACCINE IMMUNIZATION PROTOCOL
Seeopa Suksiengsri, Garnpimol C. Ritthidej, Sitt Thirapakpoomanunt

TOX-W-031
PREDICTION OF *IN VIVO* EFFECT LEVELS FOR REPRODUCTIVE TOXICITY BASED ON *IN VITRO* TESTS AND PBPK MODELLING
Miriam Verwei, Ine Waalkens-Berendsen, Mariska Tegelenbosch-Schouten, Andreas Freidig, Heleen Wortelboer, Florence Salmon, Cyrille Krul

TOX-W-032
CHANGES IN SOME HEPATIC BIOCHEMICAL PARAMETERS AFTER MULTIPLE ADMINISTRATION OF AMPHETAMINE ALONE AND ALONG WITH ALFA - TOCOPHEROL IN RATS
Vessela Vitcheva, Mitka Mitcheva, Roumiana Simeonova

TOX-W-033
LETHAL INTERACTION BETWEEN ST. JOHN S WORT AND METHOTREXATE IN RATS
Shih-Ying Yang, Yu-Chi Hou, Hsiu-Mei Chiang, Su-Lan Hsiu, Pei-Dawn Lee Chao

TOX-W-034
CYTOCHROME P450 2E1 AND AMIDASE INHIBITORS: PROTECTION AGAINST ISONIAZID INDUCED HEPATOTOXICITY IN RATS
Ton-Ho Young, Hung-Shang Tang, Herng-Sheng Lee, Cheng-Huei Hsiong, Li-Heng Pao, Oliver Yoa-Pu Hu

TOX-W-035
EVALUATION OF THE CYTOTOXICITY OF CYCLODEXTRINS ON ENDOTHELIAL CELLS USING THE MTT ASSAY
Delphine Castagne, Leila Belhadj Salem, Luc Delattre, Betty Nusgens, Géraldine Piel

Beautiful Amsterdam

Amsterdam is often referred to as one of the most colorful cities in the world. And rightly so! Where else do you find so many places of interest, famous museums, cozy pubs, fun shops and (flower) markets? Amsterdam has many surprises in store for you!

Architecture and Design

Amsterdam is one of Europe's treasure troves for lovers of architecture and a city of international importance in terms of modern design. Enjoy these aspects of the city and take a peek at Amsterdam's architectural highlights.

The Grand Canals

Elegant mansions stand along Herengracht, Prinsengracht and Keizergracht. In the course of the centuries these houses have been made over to meet changing tastes. Take a canal tour and see some beautiful examples of 18th century architecture.

Rijksmuseum & Van Gogh Museum – The Masterpieces

Rembrandt, Vermeer, Jacob van Ruysdael, Jan Steen and Vincent van Gogh.
Top works of art by these world-famous artists have been brought together in one spectacular collection with naturally 'The Night Watch' as one of the highlights.

Additional FIP Events

For further information, contact: congress@fip.org or access: www.fip.org

International Pharmaceutical Federation (FIP)

PO Box 84200, NL-2508 AE The Hague
The Netherlands

Board of Pharmaceutical Sciences (BPS)

www.fip.org/PSWC

Structure & Layout: Camilla Boquist & Hans H. Linden. 04/2007.