

Recently published doctoral theses

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Title **The development of an alternative mucosal irritation test**
Author Els Adriaens
Key words Cytotoxicity, *in vivo* assay, mucosa, toxicity
Supervisor Jean-Paul Remon
Institution University of Gent, Gent, Belgium
Language Dutch
Price Unknown
Address for ordering Lab. Pharmaceutical Technology, University of Gent, Harelbekestraat 72, B-9000 Gent, Belgium
Fax/e-mail +32 9 2648194 / Els.Adriaens@rug.ac.be

Title **Purification of the plant enzyme arbutin synthase and its functional expression *E. coli***
Author Joachim Arend
Key words Biotechnology, HPLC, oligosaccharides, electrophoresis, molecular biology, proteins
Supervisor J. Stöckigt
Institution Johannes Gutenberg University, Institute of Pharmacy, Mainz, Germany
Language German
Price Unknown
Address for ordering Johannes-Gutenberg-Universität, Fachbe-reich Pharmazie, Pharmazeutische Biologie, Prof. Dr. J. Stöckigt, Staudingerweg 5, D- 55099 Mainz 1, Germany
Fax/e-mail +49 6131 393752 / pharmazie.uni-mainz.de

Title **The possibilities of influencing the metabolism of fundamental nutrients by content substances of selected taxons of fungi**
Author Vladimir Chobot
Key words Lipids, natural products, phytochemistry, *in vivo* assay
Supervisor Ludek Jahodar
Institution Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic
Language English and Czech
Price Free of charge (abstract of the thesis 27 p.)
Address for ordering Vladimir Chobot, Charles University, Faculty of Pharmacy, Heyrovského 1203, CZ-50005 Hradec Králové, Czech Republic
Fax +420 49 5512482

Title **Formulation and evaluation of paraceta-mol sustained release microparticles using spray-drying method**
Author Aurélie Billon
Key words Drug delivery, encapsulations, micro-particles, polymers, powder technology, sustained drug release
Supervisor Bernard Bataille
Institution University Montpellier 1, School of Pharmacy, Montpellier, France
Language French
Price Free of charge
Address for ordering Bernard Bataille, Faculté de Pharmacie, Université de Montpellier 1, Avenue Charles Flahault 15, F-34060 Montpellier Cedex 2, France
Fax/e-mail +33 4 67548039
<http://www.pharma.univ-montp1.fr/fac/>

Title **Use of actinomycetes for the enantioselective production of isopropylideneglycerol**
Author Emanuele Capra
Key words Bacteria, Biotechnology, chirality, drug synthesis, stereochemistry, synthesis
Supervisor Donato Pocar
Institution University of Milano, Milano, Italy
Language Italian
Price Unknown
Address for ordering University of Milano, Via Venezian 21, 20100 Milano, Italy
Fax +39 2 70638473

Title **Transition from staminal cell to neuron : role of SHC protein**
Author Rosanna De Bona
Key words Biotechnology, cell biology, cell culture, *in vitro* assay, molecular biology, proteins
Supervisor Elena Cattaneo
Institution University of Milano, Dept of Pharmacological Science, Milano, Italy
Language Italian
Price Free of charge
Address for ordering Elena Cattaneo, Università di Milano, Istituto di Scienze Farmacologiche, Facoltà di Farmacia, Via Balzaretti 9, 20133 Milano, Italy
Fax +39 2 29404961

Title	Studies about transfection of different DNA-plasmid/lipofection-aggregates after coating with non-changed lipids	Title	Implication of CYP2D6 in the metabolism and toxicity of procainamide and venlafaxine in human
Author	Reza Eivaskhani	Author	Etienne Lessard
Key words	Not available	Key words	Pharmacogenetics, drug metabolism, pharmacology, toxicity, pharmacokinetics, <i>in vitro</i> assays
Supervisor	Rolf Schubert	Supervisor	Jacques Turgeon
Institution	Albert-Ludwigs University, Freiburg i. Br., Germany	Institution	University of Montreal, Faculty of Pharmacy, Montreal, Canada
Language	German	Language	English
Price	On request	Price	CAD 40.00 to CAD 60.00
Address for ordering	Prof. Dr. Rolf Schubert, Albert-Ludwigs-Universität, Pharmazeutisches Institut, Hermann-Herder-Str. 9, D-79104 Freiburg i. Br., Germany	Address for ordering	University Microfilms, Inc. (UMI), 300 North Zeeb Road, P.O. 1346, Ann Arbor, Michigan 48106-1346, USA
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Title	Quantitative analysis of drug membrane interactions of neuroleptic acting substances and calcium channel antagonists	Title	Systemic pulmonary delivery of the GuRH-antagonist cetrorelix: methods and formulations for preclinical studies
Author	Ulrich Jörg Franke	Author	Rosario Lizio
Key words	Intermolecular interactions, liposomes, molecular modelling, partitioning, membranes	Key words	Aerosols, animal study, pulmonary absorption, microparticles, peptides, suspensions
Supervisor	Michael Wiese	Supervisor	Claus-Michael Lehr
Institution	Martin Luther University, Faculty of Pharmacy, Halle-Wittenberg, Germany	Institution	Saarland University, Saarbrücken, D
Language	German	Language	English
Price	Unknown	Price	USD 100.00
Address for ordering	Martin-Luther-Universität, Fachbereich Pharmazie, Weinberg 15, D-06120 Halle (Saale), Germany	Address for ordering	Rosario Lizio, Odenwaldring 5, D-63069 Offenbach, Germany
Fax/e-mail	+49 345 5527021 / wiese@pharmazie.uni-halle.de	Fax/e-mail	Not available
Title	New components for non-viral DNA delivery systems: surface modified SiO₂ nanoparticles and invasins a derived adhesion protein	Title	Role of the orphan nuclear receptor roralpha in the control of cell cycle progression in prostate cancer cells
Author	Carsten Kneuer	Author	Silvia Marelli
Key words	Nanoparticles, DNA, drug carriers, gene therapy, bioadhesion, colloids	Key words	Receptor, cell biology, cell culture
Supervisors	Claus-Michael Lehr	Supervisor	Patrizia Limonta
Institution	Saarland University, Dept. of Biopharmaceutics & Pharmaceutical Technology, Saarbrücken, D	Institution	University of Milano, Dept. of Endocrinology, Milano, Italy
Language	English	Language	Italian
Price	EUR 10.00	Price	Unknown
Address for ordering	Prof. Dr. Claus-Michael Lehr, Universität des Saarlandes, FR 8.6 Biopharmazie und Pharmazeutische Technologie, Geb 8.1, Postfach 151150, D-66041 Saarbrücken, Germany	Address for ordering	University of Milano, Dept. of Endocrinology, Via Balzaretti 9, 20133 Milano, Italy
Fax/e-mail	+49 681 3024677 / lehr@rz.uni-sb.de	Fax	+39 2 29404961
Title	Creation and preparation of E-Selectin-directed immunoliposomes for use in a novel antiinflammatory therapy	Title	Characteristics of the TR146 cell culture model – an <i>in vitro</i> model for studies of buccal drug delivery
Author	Annett Krause	Author	Hanne Moerck Nielsen
Key words	Antibodies, cell cultures, drug delivery, drug targeting, liposomes, receptor	Key words	Buccal absorption, cell culture, biological barriers, penetration enhancement, toxicity, drug delivery
Supervisor	Peter Nuhn	Supervisor	Margrethe Rassing
Institution	Martin Luther University, Faculty of Pharmacy, Halle-Wittenberg, Germany	Institution	The Royal Danish School of Pharmacy, Dept. of Pharmaceutics, Copenhagen, Denmark
Language	German	Language	English
Price	Free of charge	Price	USD 25.00
Address for ordering	Martin-Luther-Universität, Fachbereich Pharmazie, Dekanat, Hoher Weg 8, D-06120 Halle (Saale), Germany	Address for ordering	Hanne Moerck Nielsen, Department of Pharmaceutics, The Royal Danish School of Pharmacy, Universitetsparken 2, DK-2100 Copenhagen, Denmark
Fax/e-mail	+49 345 5527027 / nuhn@pharmazie.uni-halle.de	Fax	+45 36 440171

Title **New amphotericin β parenteral dosage forms for the treatment of systemic fungal infections in immunodepressed patients**

Author Marco Antonio Moreno

Key words Parenteral delivery, emulsions, micro-emulsions, colloids, lyophilization, toxicity

Supervisors Paloma Frutos and Paloma Ballesteros

Institution University Complutense, Faculty of Pharmacy, Madrid, Spain

Language Spanish

Price Free of charge

Address for ordering Departamento de Farmacia y Tecnologia Farmacéutica, Facultad de Farmacia, Universidad Complutense de Madrid, Pza Ramón y Cajal Sin, E-Madrid 28040, Madrid, Spain

Fax/e-mail Not available

Title **Reactive drug metabolites – Investigations of R- and S-naproxen- β -1-O-acyl glucuro-nide degradation using enzymes, HPLC and NMR**

Author Rasmus W. Mortensen

Key words Chemical stability, drug metabolism, HPLC, kinetics, mathematical modelling, toxicity

Supervisor Steen H. Hansen

Institution The Royal Danish School of Pharmacy, Dept. of Analytical and Pharmaceutical Chemistry, Copenhagen, Denmark

Language English

Price Free of charge

Address for ordering Dr. Rasmus W. Mortensen, Pharmaceutical Stability Testing, Leo Pharmaceutical Products, Industriparken 55, DK-2750 Ballerup, Denmark

E-mail rasmus.mortensen@leo-pharma.com

Title **Endothelial protection by nitric oxide and underlying mechanisms**

Author Tobias Polte

Key words Cell culture, *in vitro* assay, oligonucleotides, cytotoxicity, molecular pharmacology, pharmacology

Supervisor Henning Schröder

Institution Martin Luther University, Faculty of Pharmacy, Halle-Wittenberg, Germany

Language German

Price Unknown

Address for ordering Martin-Luther-Universität, Fachbereich Pharmazie, Weinberg 15, D-06120 Halle (Saale), Germany

Fax/e-mail +49 345 5527021 / pharmazie.uni-halle.de

Title **Isolation and structure elucidation of constituents from *Aglaia andamanica* Hiern (meliaceae)**

Author Jindaporn Puripattanavong

Key words Natural products, NMR, phytochemistry, spectroscopy, stereochemistry

Supervisor August Wilhelm Frahm

Institution Albert-Ludwigs University, Chair of Pharmaceutical Chemistry, Freiburg i. Br., Germany

Language German

Price USD 12.00

Address for ordering Prof. Dr. A.Wilhelm Frahm, Albert-Ludwigs-Universität, Pharmazeutisches Institut, Hermann-Herder-Str. 9, D-79104 Freiburg i. Br., Germany

Fax/e-mail +49 761 2036351 awfrac@sun2.ruf.uni-freiburg.de

Title **Targeting the biotin transporter to enhance the intestinal transport of a retro-inverso tat nonapeptide and its polymeric conjugat**

Author Srinivasan Ramanathan

Key words Peptides, polymers, targeted delivery, biopharmaceutics

Supervisor Patrick J. Sinko

Institution Rutgers University, Department of Pharmaceutics, Piscataway, NJ, USA

Language English

Price Free of charge

Address for ordering Rutgers University, College of Pharmacy, Dept. of Pharmaceutics, 160 Frelinghuysen Rd, Piscataway, NJ, 08854-8020, USA

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Title **Pre-clinical studies on the prevention of lung cancerogenesis by non-steroidal anti-inflammatory drugs and inhibitors of lipoxigenases**

Author Nathalie Rioux

Key words Cell culture, cytotoxicity, DNA, molecular biology

Supervisor André Castonguay

Institution University Laval, Faculty of Pharmacy, Quebec, Canada

Language English

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Title **Estrogen – inducible genes: cloning of NIP₂ promoter**

Author Andrea Royà

Key words Biotechnology, biopharmaceutics, molecular pharmacology, receptor, cell biology, DNA

Supervisor Adriana Maggi

Institution University of Milano, Dept. of Pharmacological Science, Milano, Italy

Language Italian

Price Unknown

Address for ordering Università di Milano, Istituto di Scienze Farmacologiche, Facoltà di Farmacia, Via Balzaretti 9, 20133 Milano, Italy

Fax +39 2 29404961

Title	Collagen/PGA micro particles/composites for controlled release of gentamicin	Title	Transdermal peptide iontophoresis: in vitro microdialysis to investigate mechanisms of transport and metabolism
Author	Monika Schlapp	Author	Nicole Elisabeth Wyttenbach
Key words	Polymer characterization, controlled drug delivery, lyophilization, local delivery, biomaterials	Key words	Biological barriers, diffusion, drug delivery, metabolism, percutaneous absorption, transdermal drug delivery
Supervisor	Wolfgang Friess	Supervisor	Hans P. Merkle
Institution	Friedrich-Alexander University, Dept. of Pharmaceutical Technology, Erlangen-Nürnberg, D	Institution	Swiss Federal Institute of Technology, (ETH), Zurich, CH
Language	German	Language	English
Price	Free of charge	Price	USD 20.00
Address for ordering	Lehrstuhl für Pharmazeutische Technologie der Friedrich-Alexander-Universität, Cauerstrasse 4, Haus 6, D-91058 Erlangen, Germany	Address for ordering	Prof. Hans P. Merkle, Institut Pharmazeutische Wissenschaften, ETH Zurich, Winterthurerstrasse 190, 8057 Zurich, Switzerland
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