

Recently published doctoral theses

The information in this section is for those interested in interacting with universities. Please mail relevant information directly to the editor.

Title	Development of structure-absorption relationships for peptides and small molecule drugs	Title	Alkyl betaine and alkyl dimethylamine oxide: antimicrobial evaluation and formulation
Author	Lene Hjorth Alifrangis	Author	Christine R. Birnie
Key words	Membranes, partitioning, molecular modelling, peptides, passive drug transport	Key words	Diffusion, dissolution, drug delivery, gels, surfactants
Supervisor	Sven Frokjaer	Supervisor	Roger L. Schnaare
Institution	The Royal Danish School of Pharmacy, Department of Pharmaceutics, Copenhagen, DK	Institution	University of the Sciences in Philadelphia, Philadelphia College of Pharmacy, Philadelphia, Pennsylvania, USA
Language	English	Language	English
Price	Free of charge	Price	Free of charge
Address for ordering	Lene Hjorth Alifrangis, H. Lundbeck. A/S, Ottilavej 9, DK-2500 Valby, Denmark	Address for ordering	University of the Sciences in Philadelphia, Philadelphia College of Pharmacy, 600 South 43rd Street, Philadelphia, PA 19104, USA
Fax/e-mail	Lhal@lundbeck.com	Fax/e-mail	+1 215 5968977
Title	Development and application of an argon-ion laser compatible fluorogenic derivatizing reagent for highly sensitive determination of primary amines	Title	A solid phase combinatorial approach to phosphinic peptide inhibitors of matrix metalloproteinases
Author	Chadarat Ampasavate	Author	Jens Buchardt
Key words	Not available	Key words	Peptides, synthesis
Supervisor	John Stobaugh	Supervisor	Vedso Per
Institution	The University of Kansas, Department of Pharmaceutical Chemistry, Lawrence, USA	Institution	The Royal Danish School of Pharmacy, Department of Medicinal Chemistry, Copenhagen, Denmark
Language	English	Language	English
Price	Unknown	Price	Free of charge
Address for ordering	Kansas University Libraries, University Press, The University of Kansas, KS 66047, USA	Address for ordering	The Royal Danish School of Pharmacy, Department of Medicinal Chemistry, Universitetsparken 2, DK-2100 Copenhagen, Denmark
Fax/e-mail	Not available	Fax/e-mail	+45 36 440171
Title	Biochemical and pharmacological investigations with the soluble guanylate cyclase stimulator YC-1	Title	Synthesis and characterization of new ligands of the polyamines transport system
Author	Eva Maria Becker	Author	Laurence Covassin
Key words	Pharmacology, antibodies, drug targeting, labelling, cell culture, GMP	Key words	Active drug transport, biological barriers, drug carriers, synthesis, drug synthesis
Supervisor	Henning Schröder	Supervisor	René C.-Gaudreault
Institution	Martin Luther University, School of Pharmacology and Toxicology for Scientists, Halle-Wittenberg, Germany	Institution	University Laval, Department of Medicine, Faculty of Medicine, Quebec, Canada
Language	German	Language	French
Price	Unknown	Price	CAD 40.00 to CAD 60.00
Address for ordering	Martin-Luther-Universität, Fachbereich Pharmazie, Weinberg 15, D-06120 Halle (Saale), Germany	Address for ordering	University Microfilms, Inc. (UMI), 300 North Zeeb Road, P.O. 1346, Ann Arbor, Michigan 48106-1346, USA
Fax/e-mail	+49 345 5527025/schroeder@pharmazie.uni-halle.de	Fax/e-mail	+1 313 7614700/disspub@umi.com www.umi.com/hp/Support/DServices/Order/

Title	Effects of steroids and non-steroidal estrogens antagonists on the activity of the central nervous system in rat: implication of the amine and glutamate receptors	Title	In vitro resistance test of primary all-cells and studies of induction of apoptosis
Author	Michel Cyr	Author	Kerstrin Geibelmann
Key words	Animal study, receptor, in vitro assay, pharmacology	Key words	Pharmacology
Supervisor	Thérèse Di Paolo-Chênevert	Supervisor	Pablo Steinberg
Institution	University Laval, Faculty of Pharmacy, Quebec, Canada	Institution	Johannes Gutenberg University, Institute of Pharmacy, Mainz, Germany
Language	English	Language	German
Price	CAD 40.00 to CAD 60.00	Price	Unknown
Address for ordering	University Microfilms, Inc. (UMI), 300 North Zeeb Road, P.O. 1346, Ann Arbor, Michigan 48106-1346, USA	Address for ordering	Fachbereich Pharmazie, Johannes-Gutenberg Universität, Professor Dr Pablo Steinberg, Staudingerweg 5, D-55099 Mainz 1, Germany
Fax/e-mail	+1 313 7614700/disspub@umi.com www.umi.com/hp/Support/DServices/Order/	Fax/e-mail	+49 6131 393779/pharmazie.uni-mainz.de
Title	Effect of oligomeric and polymeric surfactants on the integrity of liposomal membranes	Title	Enhancing drug incorporation into nanoparticulate systems
Author	Mahmoud El Badry Abd El Motaleb	Author	Thirumala Govender
Key words	Liposomes	Key words	Biodegradable polymers, calorimetry, drug delivery, colloids, nanoparticles, thermodynamics
Supervisor	Rolf Schubert	Supervisors	Stanley S. Davis and Snjezana Stolnik
Institution	Albert-Ludwigs University, Freiburg i. Br., Germany	Institution	University of Nottingham, School of Pharmacy, Nottingham, UK
Language	English	Language	English
Price	On request	Price	Unknown
Address for ordering	Professor Dr Rolf Schubert, Albert-Ludwigs-Universität, Pharmazeutisches Institut, Pharmazeutische Technologie, Hermann-Herder-Strasse 9, D-79104 Freiburg i. Br., Germany	Address for ordering	Professor Stanley S. Davis, Department of Pharmaceutical Sciences, University of Nottingham, University Park, Nottingham NG7 2RD, UK
Fax/e-mail	+49 761 2036366/schurof@ruf.uni-freiburg.de	Fax/e-mail	+44 115 9515122
Title	Cross-linked hemoglobin: a potential membrane for an artificial red blood cell	Title	Ocular delivery of hydrophilic compounds
Author	Amy Fallon	Author	Kaisa Hämäläinen
Key words	Biomaterials, diffusion, membranes	Key words	Ocular absorption, paracellular drug transport, peptides, membranes, drug delivery
Supervisor	Roger L. Schnaare	Supervisor	Arto Urtti
Institution	University of the Sciences in Philadelphia, Philadelphia College of Pharmacy, Philadelphia, Pennsylvania, USA	Institution	University of Kuopio, Kuopio, Finland
Language	English	Language	English
Price	Free of charge	Price	USD 20.00
Address for ordering	University of the Sciences in Philadelphia, Philadelphia College of Pharmacy, 600 South 43rd Street, Philadelphia, PA 19104, USA	Address for ordering	University of Kuopio, Library / Y. Valtonen, P.O. Box 1627, FIN-70211 Kuopio, Finland
Fax/e-mail	+1 215 596 8977	Fax/e-mail	+358-17-162 456/www.uku.fi/laitokset/farmasia/upharm2.htm
Title	Pharmacokinetics and bioavailability of the new taxan derivation IDN 5109 when orally administered to mice	Title	Characterization of inner surfaces and adsorption in capillary electrophoresis CCE
Author	Roberta Frappolli	Author	Stefan Kaupp
Key words	Animal study, bioavailability, drug metabolism, kinetics, oral formulation, pharmacodynamics	Key words	Analytical chemistry, surface chemistry, electrophoresis
Supervisors	Luciano Martini	Supervisor	Hermann Wätzig
Institution	University of Milan, Department of Endocrinology, Milan, Italy	Institution	Technical University of Braunschweig, School of Pharmaceutical Chemistry, Braunschweig, Germany
Language	Italian	Language	German
Price	Unknown	Price	Unknown
Address for ordering	University of Milan, Department of Endocrinology, Via Balzaretti 9, I-20133 Milan, Italy	Address for ordering	Bayerische Julius-Maximilians-Universität, Am Hubland, D-97074 Würzburg, Germany
Fax/e-mail	+39 2 29404961	Fax/e-mail	+49 931 888 54 62/l-phc@pharmazie.uni-wuerzburg.de

Title	Chemoprotective activity of natural drugs	Title	Capillary electrophoresis in pharmaceutical analysis: reproducible determination of drugs from blood plasma
Author	Renata Kubínová	Author	Annette Kunkel
Key words	Drug metabolism, lipids, phytochemistry, in vitro assay, natural products, toxicity	Key words	Electrophoresis, analytical chemistry, drug targeting, pharmacokinetics
Supervisor	Václav Such	Supervisor	Hermann Wätzig
Institution	University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic	Institution	Technical University of Braunschweig, School of Pharmaceutical Chemistry, Braunschweig, Germany
Language	English	Language	German
Price	Free of charge	Price	Unknown
Address for ordering	University of Veterinary and Pharmaceutical Sciences, Palackého 1-3, 61242 Brno, Czech Republic	Address for ordering	Bayerische Julius-Maximilians-Universität, Am Hubland, D-97074 Würzburg, Germany
Fax/e-mail	+420 5 412 11151	Fax/e-mail	+49 931 888 54 62/l-phc@pharmazie.uni-wuerzburg.de
Title	The design and development of a biodegradable polyactide reservoir for controlled, zeroorder drug delivery	Title	The behaviour of surfactants in non-aqueous media
Author	Sriramakamal Jonnalagadda	Author	S. Malik
Key words	Biodegradable polymers, implant, local delivery, macromolecules, peptides, polymer characterization	Key words	Aerosols, surfactants, colloids, suspensions, liquid formulation
Supervisor	Dennis Robinson	Supervisor	C. Washington
Institution	University of Nebraska Medical Center, Omaha, Nebraska, USA	Institution	University of Nottingham, School of Pharmaceutical Sciences, School of Pharmacy, Nottingham, UK
Language	English	Language	English
Price	Varies	Price	Unknown
Address for ordering	University Microfilms, Inc. (UMI), 300 North Zeeb Road, P.O. 1346, Ann Arbor, Michigan 48106-1346, USA	Address for ordering	Professor C. Washington, University of Nottingham, School of Pharmaceutical Sciences, School of Pharmacy, University Park, Nottingham NG7 2RD, UK
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Title	Modulation of cardiac electrophysiological properties by different therapeutic agents: implication of cardiac ion channels	Title	Studies on the molecular antiinflammatory mechanism of sesquiterpene lactones from arnika flowers using the transcription factors NFκB and NF-AT as targets
Author	Majed Khalifa	Author	Guido Lyss
Key words	Pharmacology, in vitro assays, animal studies, cell biology, pharmacodynamics	Key words	In vitro assay, biopharmaceutics, drug targeting, pharmacology
Supervisor	Jacques Turgeon	Supervisor	Irmgard Merfort
Institution	University of Montreal, Faculty of Pharmacy, Montreal, Canada	Institution	Albert-Ludwigs University, Institute of Pharmaceutical Biology, Freiburg i. Br., Germany
Language	English	Language	German
Price	CAD 40.00 to CAD 60.00	Price	Unknown
Address for ordering	University Microfilms, Inc. (UMI), 300 North Zeeb Road, P.O. 1346, Ann Arbor, Michigan 48106-1346, USA	Address for ordering	Professor Dr Irmgard Merfort, Albert-Ludwigs-Universität, Institut für Pharmazeutische Biologie, Schänzlesstr. 1, D-79104 Freiburg i. Br., Germany
Fax/e-mail	+1 313 7614700/disspub@umi.com/ www.umi.com/hp/Support/Dservices/Order/	Fax/e-mail	+49-761-203-2803/merfort@vitex.biologie.uni-freiburg.de
Title	Mechanism of metalcatalyzed oxidation : physical instability of a protein pharmaceutical		
Author	Mehrnaz Khossravi		
Key words	Not available		
Supervisor	Ronald T. Borchardt		
Institution	The University of Kansas, Department of Pharmaceutical Chemistry, Lawrence, USA		
Language	English		
Price	Unknown		
Address for ordering	Kansas University Libraries, University Press, The University of Kansas, 2095 Constant Avenue, Lawrence, KS 66047, USA		
Web site	http://www.library.uams.edu/		

Title	Pharmacokinetic/pharmacodynamic modelling of antipyretic and antiinflammatory effects of niprofen in the rat	Title	Polymers with polyaminoacidic structure as drug carriers
Author	Josa Mariona	Author	Elisa Pedone
Key words	Animal study, chromatography, in vivo assay, pharmacodynamics, pharmacokinetic modelling, pharmacology	Key words	Biomaterials, controlled drug delivery, gene therapy, macromolecules, prodrug, synthetic polymers
Supervisor	Iñaki Fernández de Trocóniz	Supervisor	Gaetano Giammona
Institution	University of Navarra, Faculty of Pharmacy, Pamplona, Spain	Institution	University of Palermo, School of Pharmaceutical Chemistry and Technology, Palermo, Italy
Language	Spanish	Language	Italian
Price	Cost of photocopy	Price	Free of charge
Address for ordering	Departamento de Farmacia y Tecnología Farmacéutica, Universidad de Navarra, Facultad de Farmacia, P.O. Box 177, E-31080 Pamplona, Spain	Address for ordering	Elisa Pedone, Via Bernini 131, I-90145 Palermo, Italy
Fax/e-mail	+34 948 425649/mjosa@unav.es	Fax/e-mail	Not available
Title	Reversed vesicles: from invention to application	Title	Thermodynamic characterization of protein/ligand interactions of herpes simplex virus type 1 thymidine kinase and the periplasmic domain of the histidine autokinase CitA
Author	Henk Mollee	Author	Remo Perozzo
Key words	Drug delivery, encapsulations, peptides, microparticles, oral drug delivery, surfactants	Key words	Calorimetry, thermodynamics, receptor, viruses, proteins
Supervisor	Daan Crommelin	Supervisor	Gerd Folkers
Institution	University Utrecht, Faculty of Pharmacy, Utrecht, The Netherlands	Institution	Swiss Federal Institute of Technology (ETH) Department of Pharmacy, Zurich, Switzerland
Language	English	Language	English
Price	Free of charge	Price	Free of charge
Address for ordering	Henk Mollee, Yamanouchi Europe B.V., P.O. Box 108, NL-2350 AC Leiderdorp, The Netherlands	Address for ordering	Remo Perozzo, Texas A & M University, Department of Biochemistry and Biophysics, College Station, TX 77843, USA
Fax/e-mail	Hmollee@yamanouchi-eu.com	Fax/e-mail	perozzo@reddrum.tamu.edu
Title	Polymeric embolic liquids injected under angiographic control for the aneurysms treatment	Title	A study on the potential role of salvia lavandulae folia extracts and constituents in dementia of the Alzheimer type
Author	Florence Mottu	Author	Nicolette Perry
Key words	Biomaterials, implant, injectables, polymers, synthesis, toxicity	Key words	Phytochemistry, pharmacology, bioassay, in vitro assay, natural products
Supervisors	E. Doelker and D.A. Rüfenacht	Supervisor	Peter Houghton
Institution	University of Geneva, School of Pharmacy, Geneva, Switzerland	Institution	King's College London, Department of Pharmacy, London, UK
Language	English and French	Language	English
Price	Unknown	Price	Unknown
Address for ordering	University of Geneva, School of Pharmacy, Professor Eric Doelker, Quai Ernest-Ansermet 30, CH-1211 Geneva 4, Switzerland	Address for ordering	Professor Peter Houghton, King's College London, Department of Pharmacy, 150 Stamford Street, London SE1 8WA, UK
Fax/e-mail	+41 22 7026567/eric.doelker@pharm.unige.ch	Fax/e-mail	peter.houghton@kcl.ac.uk
Title	Follicular delivery of salicylic acid and erythromycin	Title	Contribution to the understanding of the dynamic of different models of human skin equivalent produced by tissue engineering
Author	Monica R. Motwani	Author	Roxane Pouliot
Key words	Drug delivery, percutaneous absorption, site-specific absorption, transdermal drug delivery	Key words	In vitro assay, cell culture, cell biology, biomaterials, mucosa
Supervisor	Joel Zatz	Supervisor	Julianna Juhász
Institution	Rutgers University, College of Pharmacy, Department of Pharmaceutics, Piscataway, NJ, USA	Institution	University Laval, Faculty of Pharmacy, Quebec, Canada
Language	English	Language	English
Price	Free of charge	Price	CAD 40.00 to CAD 60.00
Address for ordering	Rutgers University, College of Pharmacy, 160 Frelinghuysen Road, Piscataway, NJ, 08854-8020, USA	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 **Effect of formulation on the topical delivery and metabolism of alpha-tocopherol acetate and permeation of alpha-tocopherol**

Author Meera Rangarajan

Key words Drug metabolism, metabolism, drug transport, local delivery, transdermal absorption

Supervisor Joel Zatz

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

Language English

Price Free of charge

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

Fax/e-mail +1 732 445 4271/sinko@rci.rutgers.edu

Title **Establishing of eucaryotic cell lines for expression of 5 alpha-reductase type I and II: evaluation of inhibitors and molecular**

Author Wolfgang Reichert

Key words Cell culture, DNA, in vitro assay, molecular biology, HPLC

Supervisor Rolf W. Hartmann

Institution University of the Saarland, Department of Pharmaceutical and Medicinal Chemistry, Saarbrücken, Germany

Language German

Price Unknown

Address for ordering Professor Dr. Rolf. W. Hartmann, Fachrichtung 12.1, Pharmazeutische und Medizinische Chemie, Universität des Saarlandes, Postfach 151150, D-66041 Saarbrücken, Germany

Fax/e-mail +49 681 3024386/rwh@rz.uni-sb.de

Title **New aspects of molecular genetics in the erythropoietic protoporphyria**

Author Urszula Barbara Rüfenacht

Key words DNA, electrophoresis, gels, polymorphism, in vitro assay, clinical investigation

Supervisor Heidi Wunderli-Allenspach

Institution Swiss Federal Institute of Technology, (ETH), Institute of Pharmaceutical Sciences ETH, Zurich, Switzerland

Language German

Price Free of charge

Address for ordering Urszula Barbara Rüfenacht, Bünishoferstrasse 206, CH-8706 Feldmeilen, Switzerland

Fax/e-mail http://e-collection.ethbib.ethzh.ch/cgi-bin/

Title **Improvement of the physicochemical properties and oral bioavailability of poorly bioavailable drugs by cyclodextrin-and pro-drug-technology**

Author Jouko Savolainen

Key words Cyclodextrins, prodrugs, polymers

Supervisor Tomi Järvinen

Institution University of Kuopio, Kuopio, Finland

Language English

Price Free of charge

Address for ordering Professor Tomi Järvinen, University of Kuopio, Department Pharm. Chem., P.O. Box 1627, FIN-70211 Kuopio, Finland

Fax/e-mail +358-17-162456/Jouko.Savolainen@uku.fi

Title **Phytochemical and biological investigation of the bark of zizyphus zoazeiro mart**

Author Wolfgang Schühly

Key words Analytical chemistry, natural products, bioassay, NMR, phytochemistry

Supervisor Otto Sticher

Institution Swiss Federal Institute of Technology(ETH), Department of Pharmacy, Zurich, CH

Language German

Price USD 10.00

Address for ordering Wolfgang Schühly, Heidegraben 3, CH-8050 Zurich, Switzerland

Fax/e-mail Not available

Title **Effects of acute and subchronical exposure of guinea-pigs by sulfur dioxide**

Author Jana Suchánková

Key words Animal study, pharmacodynamics, pharmacology, toxicity

Supervisor Peter Visnovsk

Institution Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic

Language Czech (Abstract in English)

Price Free of charge

Address for ordering Charles University, Faculty of Pharmacy, Department of Pharmacology and Toxicology, Heyrovského 1203, CZ-50005 Hradec Králové, Czech Republic

Fax/e-mail +420 49 5514373/visnovsk@faf.cuni.cz

Title **Gama irradiation effects on stability of poly(lactide-co-glycolide) microspheres containing clonazepam**

Author Chiara Varesi

Key words Sterilisation, microparticles, stability, biodegradable polymers, injectables, controlled drug delivery

Supervisor Luisa Montanari

Institution University of Milan, School of Pharmacy, Milan, Italy

Language Italian

Price Unknown

Address for ordering Università degli Studi di Milano, Istituto di Chimica Farmaceutica e Tossicologica, Viale Abruzzi 42, I-20133 Milano, Italy

Fax/e-mail www.unimi.it

Title **Analytical and phytochemical investigations on hypericin and related compounds of hypericum perforatum**

Author Alexandra Wirz

Key words Phytochemistry, analytical chemistry, chemical stability, natural products, NMR

Supervisor Otto Sticher

Institution Swiss Federal Institute of Technology(ETH), Department of Pharmaceutical Science, Zurich, Switzerland

Language English

Price USD 30.00

Address for ordering Alexandra Wirz, Goldermattenstr. 30 B, CH-6312 Steinhausen, Switzerland

Fax/e-mail Not available

Title	A novel of polymorphonuclear leukocytes in the facilitation of angiogenesis	Title	Polymer particle erosion as mechanism of the drug release from hydrocolloid tablets
Author	Masako Yasuda	Author	Susanne Zuleger
Key words	Adhesion	Key words	Controlled drug delivery, kinetic, polymer characterization, drug release mechanism, matrix, swelling
Supervisor	Toshinori Yamamoto	Supervisor	Bernhard C. Lippold
Institution	Showa University, Tokyo, Japan	Institution	Heinrich-Heine University, Department of Pharmaceutical Technology, Düsseldorf, Germany
Language	Japanese	Language	German
Price	Unknown	Price	USD 35.00
Address for ordering	Department of Clinical Pharmacy, School of Pharmaceutical Sciences, Showa University, 1-5-8 Hatanodai, Shinagawa-ku, J-142-8555 Tokyo, Japan	Address for ordering	Verlag Mainz, Süsterfeldstrasse 83, D-52072 Aachen, Germany
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