

Recently published doctoral theses

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Title Use of electrochemically-induced oxidation as an evaluation method for low molecular weight antioxidants.

Author Yijie Dong

Key words Electrochemistry, HPLC, Kinetics, Peptides

Supervisor Thomas Medwick

Institution Rutgers, The State University of New Jersey Graduate School-New Brunswick, New Brunswick, NJ 08901, USA

Language English

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Title Optimization of pharmacokinetic properties of poorly soluble compounds

Author Sabine Effer

Key words Bioavailability, pharmacokinetics, cell culture, animal study, microemulsions, oral formulation

Supervisor Gerhard Winter

Institution Ludwig-Maximilians-University, Department for Pharmaceutical Technology and Biopharmaceutics, Munich, Germany

Language German

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gerhard.winter@lrz.uni-muenchen.de

Title Analysis of drug consumption in four Central European countries.

Author Matus Ferech

Key words Pharmacoeconomics, pharmacoepidemiology

Supervisor —

Institution Charles University in Prague, Pharmaceutical Faculty in Hradec Králové, Department of Social and Clinical Pharmacy, Hradec Králové, Czech Republic

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Title Human alveolar epithelial cells in primary culture: cell biological characterization, evaluation of transport-properties and transduction using retroviral vectors for an extended lifespan

Author Sabine Fuchs

Key words Drug transport, pulmonary absorption, cell biology, cell culture, biological barriers, drug delivery

Supervisor Claus-Michael Lehr

Institution Saarland University, Department of Biopharmaceutics and Pharmaceutical Technology, Saarbrücken, Germany

Language German

Price Unknown

Address for ordering Dr. Sabine Fuchs, Johannes Gutenberg Universität, Institut für Pathologie, Langen-beckstraße 1, D-55101 Mainz, Germany

Fax/e-mail +49 61 31175645 / fuchss@uni-mainz.de

Title Comparison of the methods for the determination of the crystallinity index of pharmaceutically used cellulose products.

Author Peter Gassmann

Key words X-ray powder-diffraction, PowderCell Program, FTIR-spectroscopy, flotation density

Supervisor Wolfgang Suess

Institution University of Leipzig, Institute of Pharmacy, Pharmaceutical Technology, Leipzig, Germany

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Title **Encapsulation of 5-fluorouracil (5-FU) in vesicular phospholipid gels: in vitro and in vivo studies on stability, pharmacokinetics and antitumoral activity**

Author Nicole Kaiser

Key words Active drug transport, animal study, drug targeting, gels, injectables, liposomes

Supervisor Rolf Schubert

Institution Albert-Ludwigs-University of Freiburg in Breisgau, Institute of Pharmaceutical Sciences, Pharmaceutical Technology, Freiburg, Germany

Language German

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Fax/e-mail +49 76 12036366
Rolf.Schubert@pharmazie.uni-freiburg.de

Title **Investigations to the compression of coated pellets**

Author Ulrike Helga Opitz

Key words Free films, ethylcellulose, polyvinylacetat, coated pellets, fluid bed rotary granulation, tablets

Supervisor Wolfgang Suess

Institution University of Leipzig, Institute of Pharmacy, Pharmaceutical Technology, Leipzig, Germany

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Title **New methods in monitoring of freeze-drying processes**

Author Ingo Presser

Key words Lyophilization, proteins

Supervisor Gerhard Winter

Institution Ludwig-Maximilians-University, Department for Pharmaceutical Technology and Biopharmaceutics, Munich, Germany

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Title **Investigations to the pelletization of hydrophilic polymers by means of fluid-bed rotory granulation.**

Author Asal Qadan

Key words Hydroxypropylmethylcellulose, process optimisation

Supervisor Wolfgang Suess

Institution University of Leipzig, Institute of Pharmacy, Pharmaceutical Technology, Leipzig, Germany

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Title **Using of solid phase reactors in flow injection and sequential injection analysis**

Author Dalibor Šatínský

Key words Analytical chemistry, HPLC, tablets, SPE, SIA, FIA

Supervisor Rolf Karlíček

Institution Department of Analytical Chemistry, Faculty of Pharmacy, Charles University, Hradec Králové, Czech Republic

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Title **Drying and stabilisation of proteins by means of evaporative N₂-flow assisted drying and application of microdroplets**

Author Anke Stabenau

Key words Proteins, stabilisation, lyophilization, drug carrier, solid formulation, polysaccharides

Supervisor Gerhard Winter

Institution Ludwig-Maximilians-Universität München, Department of Pharmacy, Pharmaceutical Technology and Biopharmaceutics, München, Germany

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Title **Cell penetrating peptides: uptake, permeation and metabolism in epithelial models**

Author Rachel Tréhin

Key words Absorption, biological barriers, drug carriers, peptides, metabolism

Supervisor Hans P. Merkle

Institution Institute of Pharmaceutical Sciences – ETH Zürich, Zürich, Switzerland

Language English

Price CHF 30.00

Address for ordering Institute of Pharmaceutical Sciences – ETH Zürich, Galenische Pharmazie, Winterthurerstrasse 190, CH-8057 Zürich

Fax/e-mail christina.brun@pharma.ethz.ch

Title **The regulation and initial functional characterization of long-chain fatty acid transport**

Author Qing Wang

Key words Regulation, CD36, long-chain fatty acid, uptake, PPAR, RXR

Supervisor Gregory T. Knipp

Institution Rutgers, the State University of New Jersey, Department of Pharmaceutics, Ernest Mario School of Pharmacy, Piscataway, New Jersey, USA

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Title **Hydrophilic polymers used in controlled drug release from oral matrices**

Author Lenka Vostalová

Key words Oral absorption, hydrophilic matrix tablets, drugs of different solubility, excipients, dissolution profiles

Supervisor Miloslava Rabišková

Institution Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences, Brno, Czech Republic

Language Czech

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