

Jonny H. Kinzi

Education

University of Basel , Department of Pharmaceutical Sciences Ph.D. Candidate, Biopharmacy Research Group	Basel, CH 08/2019 – present
ETH Zurich , Department of Chemistry and Applied Biosciences M.Sc., Medicinal and Industrial Pharmaceutical Sciences ETHZ B.Sc., Pharmaceutical Sciences ETHZ B.Sc., Interdisciplinary Natural Sciences ETHZ	Zurich, CH 03/2016 – 09/2017 09/2012 – 03/2016 09/2011 – 08/2012

Grants and Awards

Travel Grant Award International Society for the Study of Xenobiotics	09/2022
---	---------

Research Experience

University of Basel <i>PhD Candidate with Prof. Henriette E. Meyer zu Schwabedissen</i> Physiological and pharmacological phenotyping of <i>Slco2b1</i> -knockout and <i>SLCO2B1</i> -humanized rat models <ul style="list-style-type: none">Performed <i>in vitro</i> experiments to assess protein kinetics of drug transportersExecuted <i>in vivo</i> studies to evaluate the role of uptake transporter OATP2B1 on atorvastatin pharmacokinetics, insulin and glucose tolerance, mRNA and protein expression characterization of rat modelsResponsible for implantation, validation and execution of LC-MS based bioanalytical methods	Basel, CH 08/2019 – present
Novartis Pharma AG <i>Preclinical Formulation Scientist with Dr. Paulo A. F. G. Dos Santos</i> Preparation and evaluation of formulations from pure drug substances candidates for first <i>in vivo</i> (preclinical) testing <ul style="list-style-type: none">Characterization of drug candidates on physicochemical properties using solid-state analyticsPerformed screenings of formulation vehicles to achieve favored solubility in physiological relevant fluidsAssessed short-term stability against stress conditions (temperature, light, humidity)	Basel, CH 09/2018 – 07/2019
Novartis Pharma AG <i>Postgraduate Intern with Dr. Toni Widmer</i> Investigating the interaction and stability of drug substances and excipients in amorphous solid dispersions (ASD) <ul style="list-style-type: none">Performed hot melt extrusion and lyophilization to obtain ASDAssessed recrystallization degree by orthogonal analytical measurements of temperature humidityCollected raw data into database and summarized results as kinetics of recrystallization	Basel, CH 08/2017 – 06/2018
Philochem AG <i>Master Thesis Student with Dr. Tim Fugman</i> Implementation of data-independent acquisition (DIA) and spectral library searching for investigation of HLA-eluted peptides on Q Exactive Orbitrap MS <ul style="list-style-type: none">Performed cell culture handling and preparation of biological samplesBuild spectral libraries from data-dependent acquisition runsImplemented workflow for DIA proteomic analysis and performed DIA parameter benchmarking	Otelfingen, CH 09/2016 – 02/2017
ETH Zurich <i>Master Student with Prof. Dario Neri</i> <ul style="list-style-type: none">Executed large scale expression and purification of MHC-I complex H-2Ld in <i>E. coli</i>Performed cloning of HLA-I complex B*07Generation of anti-murine Tenascin C antibody using Antibody Phage Display technology	Zurich, CH 09/2015 – 12/2015

Teaching Experience

University of Basel , Department of Pharmaceutical Sciences Lab supervision of Master Students	Basel, CH 08/2019 – present
--	--------------------------------

Activities and Engagement

ETH Zurich, Akademischer Pharmaziestudierenden Verband APV

2013 – 2016

Board Member and responsible for IT activities

Conference Presentations

Kinzi, J., Hussner, J., Seibert, I., Zuercher, S., Rysz, M. A., Tillmann, A., Vythilingam, M., Schwardt, O., Ricklin, D., Meyer zu Schwabedissen, H. E. Influence of knockout and humanization of *SLCO2B1* on atorvastatin disposition in rats. P183. Poster presentation delivered at the 13th International Meeting of the International Society for the Study of Xenobiotics and 24th International Symposium on Microsomes and Drug Oxidations, Seattle, WA, September 2022

Kinzi, J., Hussner, J., Seibert, I., Tillmann, A., Vythilingam, M., Schwardt, O., Ricklin, D., Meyer zu Schwabedissen, H. E. Differences in hepatic disposition of atorvastatin in *SLCO2B1*-knockout and humanized rat model. P-VIII-6. Poster presentation delivered at the 15th Swiss Pharma Science Day of the Swiss Academy of Pharmaceutical Sciences, Bern, August 2022

Kinzi, J., Hussner, J., Seibert, I., Tillmann, A., Vythilingam, M., Schwardt, O., Ricklin, D., Meyer zu Schwabedissen, H. E. Pharmacokinetics of atorvastatin in *Slco2b1*-knockout and *SLCO2B1*-humanized rats. P181. Poster presentation delivered at the 88th Annual Meeting of the German Society for Experimental and Clinical Pharmacology and Toxicology, digital, March 2022

Kinzi, J., Hussner, J., A. M. Schaefer, Treyer, A., Seibert, I., Hamburger, M., Meyer zu Schwabedissen, H. E. Oatp2b1 influences coproporphyrin serum levels as determined in a novel *Slco2b1*^{-/-} rat model. P-VIII-11. Poster presentation delivered at the 14th Swiss Pharma Science Day of the Swiss Academy of Pharmaceutical Sciences, digital, August 2021

Kinzi, J., Schaefer, A. M., Hussner, J., Treyer, A., Seibert, I., Hamburger, M., Meyer zu Schwabedissen, H. E. Coproporphyrins in rats - results of a study in a novel Oatp2b1-knockout model. P-15. Poster presentation delivered at and the Virtual Workshop of the International Society for the Study of Xenobiotics and the International Consortium for Innovation and Quality in Pharmaceutical Development, digital, March 2021

Publications

Kinzi, J., Grube, M., Meyer zu Schwabedissen, H. E. (2021). OATP2B1 – The underrated member of the organic anion transporting polypeptide family of drug transporters?. *Biochemical Pharmacology*. 188. 114534.

Ritz, D., **Kinzi, J.**, Neri, D., Fugmann, T. (2017). Data-Independent Acquisition of HLA Class I Peptidomes on the Q Exactive Mass Spectrometer Platform. *Proteomics*. 17. 1700177.