

# Stefanie K. Drescher

Ph.D. Student, Licensed Pharmacist in Europe

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**Education:** Pharmacy, Julius-Maximilians University, Würzburg (Germany)

## Positions:

Since 01/2015 Ph.D. Student, College of Pharmacy, Univ. of Florida  
Since 08/2017 M.S. student, College of Public Health and Health Professionals & College of Medicine, Univ. of Florida  
5/2017 to 8/2017 Summer intern, GSK, King of Prussia, Philadelphia, USA  
5/2013 to 10/2013 Research intern, Univ. of Florida, USA  
11/2013 to 4/2014 Pharmacy rotation intern, Hofapotheke, Coburg, Germany



**Research:** Ms. Drescher seeks to optimize pulmonary targeting of inhaled drugs using latest quantitative, physiologically-based pharmacokinetic / pharmacodynamic (PK/PD) modeling with Drs. Günther Hochhaus and Jürgen Bulitta as PhD advisors. Moreover, she is employing population PK modeling and Monte Carlo simulations to optimize therapies for patients with chronic lung diseases. Her research involves advanced statistical and population PK/PD modeling based on clinical studies as well as *in vitro* approaches for inhalation.

Ms. Drescher has been continuously engaged as a teaching assistant. She instructs Pharm.D. Students in various skills labs and supports the facilitator in classes such as principles of drug therapy individualization, herbal medicine to patient assessment, communication, practice management and clinical diagnostics and monitoring tools. Additionally, she is this year's UF Student Chapter Chair of the American College of Clinical Pharmacology (ACCP) and is leading the organization of seminars with guest speakers.

In addition, Ms. Drescher is a licensed pharmacist in Europe and has completed a research internship in Dr. Derendorf's laboratory. During these six months she investigated the atypical plasma protein binding of tigecycline. Therefore, she utilizes different techniques to study plasma-protein binding of tigecycline such as microdialysis and ultracentrifugation trials and analysis techniques like high performance liquid chromatography (HPLC), liquid chromatography/ mass spectroscopy (LC/MS), and UV/visible spectroscopy.

As a part of her PhD education at UF's Center for Pharmacometrics and Systems Pharmacology, Ms. Drescher has completed a minor in statistics. Additionally, Ms. Drescher is enrolled in a Masters of Biostatistics program at UF within the Colleges of Public Health and Health Professionals and the College of Medicine.

<b>Publications (as of 4/4/2018)</b>	<b>Published</b>	<b>In review</b>
Peer-reviewed research papers	2	2
Book chapters		1
International conference abstracts	3	

## PubMed Bibliography:

[https://www.ncbi.nlm.nih.gov/sites/myncbi/1LyaxsmguW\\_kdY/bibliography/54695461/public/?sort=date&direction=ascending](https://www.ncbi.nlm.nih.gov/sites/myncbi/1LyaxsmguW_kdY/bibliography/54695461/public/?sort=date&direction=ascending)

## Google Scholar Citations:

<https://scholar.google.com/citations?user=1LIDqOoAAAAJ&hl=en>