

Sihem Bihorel (Ait-Oudhia)

I am an Assistant Professor in the Department of Pharmaceutics at the College of Pharmacy, University of Florida (UF). My laboratory is located at the Center for Pharmacometrics & Systems Pharmacology in Orlando, Florida. My research focus is in the field of Translational Oncology, combining experimental and computational modalities to address critical medical unmet needs. I integrate QSP models with systems PK/PD models to advance drug discovery and development; leverage the understanding of drugs mechanisms of action (efficacy and toxicity); and identify promising combination therapies as well as novel targets and biomarkers.

Prior to joining UF in 2015, I was a Postdoctoral Associate, then a Research Assistant Professor in the Department of Pharmaceutical Sciences at State University of New York (SUNY) at Buffalo. In 2010, I completed my PhD in Pharmacometrics from the University of Paris-Descartes (France), while conducting my research at SUNY at Buffalo. Prior to that, I graduated with a Bachelor's degree in Biomedical Sciences, two Master's degrees (Immunology and Pharmacometrics), and a PharmD degree from the University of Paris-Descartes (France).

Through my education and employments at UF and SUNY at Buffalo, I gained considerable expertise in the fields of pre-clinical experimentation, and physiologically- and systems-based modeling and simulation of pre-clinical and clinical data. My research has been published in numerous articles in peer-reviewed journals of international standards (<https://www.ncbi.nlm.nih.gov/myncbi/1Pik7LGEu8akV/bibliography/public/>). In addition, I have been an active member of the International Society of Pharmacometrics (ISoP) since its foundation in 2011*, contributing to many posters at various American Conference of Pharmacometrics meetings. I am the founder of the local Florida-ISoP group, which held its inaugural event in 2018, and presently serves as the Chair of the ISoP Awards Committee.

* I still have the T-shirt!