

**Sihem Bihorel (née Ait-Oudhia)**  
**M.S. (Pharmacometrics), M.S. (Immunology), Pharm.D., Ph.D.**

**CONTACT INFORMATION**

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Center for Pharmacometrics and Systems Pharmacology  
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**CURRENT POSITIONS**

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- **Assistant Professor**  
Center for Pharmacometrics & Systems Pharmacology. Department of Pharmaceutics. UF College of Pharmacy.
- **Adjunct Assistant Professor**  
Department of Pharmaceutical Sciences. University at Buffalo, State University of New York (SUNY at Buffalo)

**EDUCATION**

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**2007-2010**      **Ph.D.**  
SUNY at Buffalo & Paris-Descartes

**2000-2006**      **Pharm.D.**  
Paris-Descartes

**2005-2006**      **M.S. Pharmacokinetics and Biopharmaceutics**  
Paris-Descartes

**2001-2002**      **M.S. Immunology and Human Genetics**  
Paris-Descartes

**2000-2001**      **B.S. Biomedical Sciences**  
Paris-Descartes

**PREVIOUS PROFESSIONAL APPOINTMENTS**

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**2011-2015**      **Research Assistant Professor**  
Department of Pharmaceutical Sciences, SUNY at Buffalo, NY, USA

**2010-2011**      **Post-doctoral Associate**  
Department of Pharmaceutical Sciences, SUNY at Buffalo, NY, USA  
Drs. Donald E. Mager & Robert M. Straubinger.

**2007-2010**      **PhD Candidate**  
Department of Pharmaceutical Sciences, SUNY at Buffalo, NY, USA.  
Dr. Wojciech Krzyzanski. SUNY at Buffalo & Pr. Jean-Michel Scherrmann. Paris-Descartes.

**2006**              **Master of Science training course at the Department of Clinical Pharmacology**  
Sanofi aventis R&D. Paris, France.

**2004-2005**      **Pharmacy resident at Cochin Hospital - Paris 14<sup>th</sup> district, France**  
*Jun-Sept*              Department of Clinical Trials  
*Apr-May*              Laboratory of Toxicology and Analytical Chemistry  
*Jan-Mar*              Emergency Room and Reanimation  
*Sep-Dec*              Department of Internal Medicine

**2002-2005**      **Intern pharmacist in retail pharmacy**

**2001-2002**      **Master of Science training course at a research laboratory of infectious diseases**  
Paris-Descartes

**2000-2001**      **Bachelor of Science training course at a research laboratory of infectious diseases**  
Paris-Descartes

## TEACHING EXPERIENCE

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- 2011-2015**  
Several course lectures in PHC at SUNY at Buffalo: 607/608/609/506/500/432/488-588
- 2015-present**  
Several course lectures and course co-coordinator in PHA at UF College of Pharmacy: 5127/5128/6125/ReTool

## MENTORING ACTIVITIES

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- Primary mentor of PhD students (Paris-Descartes, UF College of Pharmacy, SUNY at Buffalo)
- Primary mentor of Master students (SUNY at Buffalo)
- Primary mentor of PharmD students (Paris-Descartes, UF College of Pharmacy)
- Primary mentor of German interns with UF College of Pharmacy
- Primary mentor of Undergraduate Students Bachelor/Master (SUNY at Buffalo)
- Chair, co-chair, & committee member for PhD students (Paris-Descartes, UF College of Pharmacy, SUNY at Buffalo)
- Primary mentor of postdocs (SUNY at Buffalo, UF College of Pharmacy)
- Primary mentor of students from the ReTOOL Program: <http://retool.cop.ufl.edu/>

## SELECTED AWARDS & HONORS

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- July 2016** Prosper Excellence Award (UF College of Pharmacy)  
**Apr 2014** PhRMA foundation: starter research grant award in translational medicine and therapeutics  
**Aug 2013** Career development salary & research support package (SUNY at Buffalo)

## SELECTED POSTER PRESENTATIONS

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1. Vaidya T, and **Ait-Oudhia S.** Quantitative Pharmacological Assessment of Trastuzumab-Anthracycline Induced Cardiotoxicity. ACoP meeting, Fort Lauderdale, 2017.
2. Ande A, and **Ait-Oudhia S.** Bench-to-Bedside Translation of Everolimus Efficacy in Hepatocellular Carcinoma Using a Multiscale Quantitative Systems Pharmacological Approach. ACoP meeting, Fort Lauderdale, 2017.
3. Franco Y., Perez L., and **Ait-Oudhia S.** A Proof of Concept In Vitro Study To Overcome Resistance To HER2 Targeted Therapy in Breast Cancer. ACCP meeting, San Diego, 2017.

## SELECTED ORAL PRESENTATIONS

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1. Application of translational systems pharmacology and pharmacometrics to cancer therapy. Eshelman School of Pharmacy, University of North Carolina. Oct 5<sup>th</sup>, 2017. **Seminar.**
2. Advances, challenges and future of translational systems pharmacology in cancer immunotherapy. Immuno-Oncology Summit 2017. August 28-Sept 1<sup>st</sup> in Boston. **Symposium.**
3. Improving the delivery of biologics to solid tumors with a bottom-up, multi-scale, systems pharmacological analysis of sequence combinations. University of Pharmacy at Montreal. Montreal. Apr 11<sup>th</sup>, 2017. **Seminar.**

## PUBLICATIONS:

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- **Pubmed:** <https://www.ncbi.nlm.nih.gov/pubmed/?term=ait-oudhia+s>
- **Researchgate:** [https://www.researchgate.net/profile/Sihem\\_Ait-Oudhia/citations](https://www.researchgate.net/profile/Sihem_Ait-Oudhia/citations)