

## **Postdoctoral Research Associate**

Center for Pharmacometrics and Systems Pharmacology, Department of Pharmaceutics, College of Pharmacy, University of Florida, Orlando (Lake Nona Medical City), Florida, USA

- Job Function: Postdoctoral Research Associate Positions in Quantitative Health Sciences
- Setting: College/University/Medical City Campus
- Location: Orlando (Lake Nona Medical City), Florida, United States
- Job Type: Full-Time
- Minimum Education: Ph.D. or equivalent degree in quantitative sciences including Engineering, Statistics, Mathematics and Systems Biology/ Pharmacology

### **Postdoctoral Fellowship Description:**

There are two 2-year postdoctoral fellowships available for scientists who intend to further their training for a career in drug development, academia or regulatory science. The successful applicants will have access to imaging data in order to learn how to apply and become proficient in using population-based disease progression modeling, Artificial Intelligence/Machine Learning (AI/ML), and computer simulation approaches to solve drug development and regulatory problems such as optimal clinical trial design and biomarker qualification. Depending on the availability of projects and interests of the applicant, he or she will also learn how to effectively use population pharmacokinetic/pharmacodynamic (PK/PD) models and physiologically based PK/PD models to design clinical trials, understand the pharmacological mechanisms of drug action, explore covariate effects on PK and PD and determine the influence of genetic factors on drug dosing.

Postdoctoral research associates will engage in a combination of duties that will include research projects, graduate student mentoring, grant writing and classroom teaching experiences. It is expected that fellows attend and present at professional meetings, participate in workshops and seminars and prepare at least 3-4 peer-reviewed publications to build a foundation for personal career achievements. In addition to the scientific and clinical duties, fellows are given the opportunity to grow their "soft skills", such as oral communication, presentation skills and working on multi-disciplinary teams.

### **Job Qualifications:**

Preferred qualifications for the position are a doctoral (Ph.D. or equivalent) degree in quantitative sciences including Engineering, Statistics, Mathematics and Systems Biology as well as knowledge of, or experience in, therapeutics in one or more disease areas with an interest in pursuing a career in Quantitative Health Sciences, Pharmacometrics and/or Systems Pharmacology. The ideal candidate should possess strong programming skills, excellent written and verbal communication, good organizational abilities, and team work. Hands-on knowledge in using software platforms such as R, Python, MATLAB, NONMEM, Monolix, or other software/scripting languages is required. A background and understanding of basic pharmacology, pharmacometrics and/or systems biology/pharmacology is preferred. Prior knowledge in AI/ML, computer vision, and/or image analysis is desired. The candidate must be self-directed and self-motivated.



**To Apply:**

Please send applications to Dr. Sarah Kim at [sarahkim@cop.ufl.edu](mailto:sarahkim@cop.ufl.edu). (Please reference “Postdoc Application: Your Name” in the subject line)

For full consideration, applications should include:

- (1) Cover letter, including summary statement of research interests
- (2) Curriculum vitae
- (3) Contact information of three references

Applications will be reviewed immediately, and the position will remain open until filled. To ensure full consideration, application materials should be received by **Monday, August 16, 2021**.

The final candidate will be required to provide an official transcript to the hiring department upon hire. A transcript will not be considered “official” if a designation of “Issued to Student” is visible. Degrees earned from an education institution outside of the United States are required to be evaluated by a professional credentialing service provider approved by the National Association of Credential Evaluation Services (NACES), which can be found at <http://www.naces.org/>.

The University of Florida is an equal opportunity institution dedicated to building a broadly diverse and inclusive faculty and staff. If an accommodation due to a disability is needed to apply for this position, please call 352/392-2477 or the Florida Relay System at 800/955-8771 (TDD). Hiring is contingent upon eligibility to work in the US. Searches are conducted in accordance with Florida’s Sunshine Law.

**Webpages:**

University of Florida: <https://www.ufl.edu/>

College of Pharmacy: <https://pharmacy.ufl.edu/>

Department of Pharmaceutics: <https://pc.pharmacy.ufl.edu/>

Center for Pharmacometrics and Systems Pharmacology: <https://cpsp.pharmacy.ufl.edu/>

University of Florida's public-private partnership with NVIDIA: <https://news.ufl.edu/2020/07/nvidia-partnership/>

Postdoctoral Affairs: <http://postdoc.aa.ufl.edu/>