



JOB DESCRIPTION

Title: Assistant Professor, Research
College: College of Pharmacy
Classification: Fulltime, exempt, 12-month appointment
Supervisor: Reports to Professor of Pharmaceutical and Biomedical Sciences

Responsibilities:

The expectation of this position is to be engaged in research and teaching activities that include, but may not be limited to the following:

- Design, fabricate, validate and troubleshoot microfluidic devices for organ-on-a-chip and growing cells on chips,
- Design, fabricate, validate and troubleshoot devices for preparation of nanoparticles and liposomes for delivery of drugs for the respiratory disorders or other purposes as required by the lab
- Develop chip-based models for respiratory diseases such as asthma and pulmonary arterial hypertension
- Conduct pharmacokinetics, pharmacodynamics and bio-distribution studies in animal models, cell culture studies
- Conduct immuno-histochemical studies,
- Develop and optimize 3D printing of pharmaceutical products and organs
- Train graduate students in chip design, fabrication and validation and simulation,
- Preparation of manuscripts and assist in grant writing,
- Develop an unique area of research for your personal development.
- Assist in or teach teaching of pharmaceuticals and pharmacokinetics on an as needed basis or as assigned by the Department Chair
- Provide service to the department as determined by the Department Chair or Dean.

Education:

Ph.D. in Pharmaceutical Sciences or related field

Experience:

Prior experience conducting pharmaceuticals research with a focus on drug delivery, PK/PD analyses, and PAH animal models

Working Conditions:

- Must be able to lift 20 pounds
- Must be willing to have flexible work hours, including evenings and weekends, when needed



Applicants should submit:

- Cover letter of interest that addresses qualifications, experience and career goals
- Resume/CV
- Names, addresses, and telephone numbers of at least three (3) professional references

Please send application materials to the HR Department at hr@cnsu.edu, or California Northstate University, 9700 West Taron Drive, Elk Grove, CA 95757.

California Northstate University is an Equal Opportunity and Affirmative Action Employer. All qualified candidates are encouraged to apply.