Job Title: Assistant/Associate Professor of Basic Pharmaceutical Sciences (Medicinal Chemistry, Tenure track)
Department: 100% BPS Department
Initial Start Date: June 1, 2015

Job Title: Medicinal Chemist
Department: Basic Pharmaceutical Sciences
Position Reports To: Chair of Basic Pharmaceutical Sciences
FLSA: Non-Exempt
Date of Last Revision: 1/12/2015

POSITION SUMMARY:
The person in this position is responsible for teaching PhamD students, developing a funded research program and providing service at the University and in the greater High Point area.

QUALIFICATIONS:
Education:
• Ph.D. in Chemistry, Medicinal Chemistry, Synthetic organic chemistry or related field
• A minimum of two years of postdoctoral experience

Experience and Training:
• 1-2 years of relevant medical or pharmacy academic teaching experience.
• Minimum of two years of medicinal chemistry experience
• Experience in one of the following areas: design and synthesis of small drug molecules, computational methods for optimizing lead compounds using multivariate QSAR and rational drug design, computational biophysical chemistry, pharmacophore mapping, and conformational analysis.
• Preferred areas of interest include, but are not limited to neuroscience, infectious diseases and inflammatory diseases.
• Demonstrated records of excellence in teaching and scholarship, and a commitment to excellence in pharmacy education and research.
• Prior success in extramural funding

Knowledge, Skills, Ability:
• Excellent verbal and written communication and computer skills
• Ability to multi-task and work cooperatively with others
• Knowledge of modern organic synthetic methods, purification and compound analysis by spectrometric methodologies. Perform the design, synthesis, purification and identification of compounds for drug discovery and development. Demonstrate competency in several aspects of practical organic chemistry
• Ability to perform aqueous phase and organic phase synthetic methodology and subsequent chromatographic methods including the analysis and identification of compounds using a range of modern separation and spectroscopic techniques including TLC, HPLC, MS and NMR
Demonstrate the potential to procure extramural funding and develop an independent research program

**ESSENTIAL FUNCTIONS:**

- Participate in didactic, computational, and laboratory teaching activities in medicinal chemistry and related courses within the HPU School of Pharmacy integrated curriculum as appointed by the Department Chair.
- Serve as a liaison between pharmacologists, biologists and pharmaceutical chemists.
- Coordinate and develop, when appropriate, selected departmental courses.
- Procure and/or maintain an externally funded research program in pharmacology or areas related to the discipline of pharmacy.
- Publish scientific findings in high-quality peer-reviewed journals and present research findings at national and international meetings.
- Communicate teaching and research activities through frequent and effective communication with the Chair of BPS.
- Provide mentorship and advisement for students in the School of Pharmacy.
- Integrate and enhance interactions between the basic sciences, clinical sciences and pharmacy practice in areas of research, education, and service. Translate novel technologies into clinical investigation, and have the ability to collaborate with other basic researchers or clinical investigators.
- Advance the service missions of the School of Pharmacy and High Point University to meet community needs. Act as a representative and advocate for the department, both within the University and externally.
- Participate in committees within the department, School, University and in professional and governmental organizations.
- Abide by University and School of Pharmacy policies.
- Supervise and annually evaluate support staff in the laboratory.
- Undertake other duties and responsibilities as assigned by the Chair of BPS.
- Utilize ExamSoft® or other software provided by SOP to conduct all SOP assessments.

**ACCOUNTABILITY:**

- Excellence in teaching, research and service

**PHYSICAL REQUIREMENTS:**

*(Please check below any of the physical requirements for your job.)*

- (x) Seeing
- (x) Color Perception (Red, Green, Amber)
- (x) Hearing/Listening
- (x) Clear Speech
- (x) Touching
  - (x) Dexterity
  - (x) Hand
  - (x) Finger
- ( ) Lifting (25 pounds)
- ( ) Carrying (25 pounds)
- ( ) Ability to Move Distances Within and Between Warehouses/Offices
- ( ) Climbing
- ( ) Ability to Mount and Dismount Forklift/Truck
- ( ) Pushing/Pulling
- ( ) Driving (local)
- ( ) Driving (over the road)
- ( ) Standing
- ( ) Other (specify)

**Mental/Reasoning Requirements:**

- ( ) Reading - Simple
- (x) Reading - Complex
- ( ) Writing - Simple
- (x) Basic Math Skills
- (x) Writing- Complex
- ( ) Clerical
- (x) Analysis/Comprehension
- (x) Judgment/Decision Making

**Work Environment:**

- ( ) Shift Work
- ( ) Outside
- ( ) Pressurized Equipment
- ( ) Works Alone
- ( ) Extreme Heat
- ( ) Moving Objects
- (x) Works with Others
- ( ) Extreme Cold
- ( ) High Places
- (x) Verbal Contact w/Others
- ( ) Noise
- (x) Fumes/Odors
- (x) Face-to-Face Contact
- (x) Mechanical Equipment
- (x) Hazardous Materials
- (x) Inside
- ( ) Electrical Equipment
- ( ) Dirt Dust