

**Pharmacology/Pharmaceutical Sciences
Memorandum of Understanding (MOU) between SIUC and SIUE**

To expand the educational opportunities of students enrolled in the Southern Illinois University (SIU) System by making available the widest possible variety of graduate curricular offerings while minimizing Institutional costs, the Graduate School at SIU Carbondale (SIUC), working with the School of Medicine and other academic units, and the Graduate School (SIUE), working with the School of Pharmacy, agree on the participation of SIUE students in the SIUC doctoral program in Pharmacology and Neuroscience. The graduate faculty in the Department of Pharmaceutical Sciences at SIUE and the faculty of the Pharmacology and Neuroscience program at SIU School of Medicine agree on the following terms and conditions.

This document, as well as the description and requirements of the Ph.D. degree program in Pharmacology and Neuroscience, as listed in the SIUC Graduate Catalog, constitute the basis for graduate students at SIUE to participate in the doctoral program in Pharmacology and Neuroscience at SIU School of Medicine and SIUC.

1. The graduate faculty in the Department of Pharmaceutical Sciences at SIUE and the SIUC Pharmacology and Neuroscience Program agree to cooperate in providing students the opportunity to pursue a Ph.D. in Pharmacology and Neuroscience.
2. Admission: The requirements for admission to the Ph.D. program in Pharmacology and Neuroscience are listed on the SIUC Pharmacology and Neuroscience Program website (<https://www.siumed.edu/pharm/research-intensive-phd-program-pharmacology-neuroscience.html>) and printed in the SIUC Graduate Catalog. The Chair of the Department of Pharmaceutical Sciences at SIUE will be the coordinator at SIUE and an ad-hoc member of the Graduate Program Committee for the Pharmacology and Neurosciences program at SIU School of Medicine. In principle, both the Chair of the Department of Pharmaceutical Sciences and the Chair of the SIU School of Medicine Department of Pharmacology will work closely to evaluate applications of students applying to SIUE, in association with the Deans of Graduate Schools of both campuses, and administer a decision regarding eligibility of individual students. If the decision is to admit, the student's application will be forwarded to the Graduate Program Committee for the Pharmacology and Neuroscience Ph.D. Program at SIU School of Medicine. Applications will then be reviewed and a final decision to recommend admission to the Graduate School will be administered by the Graduate Program Committee in the same manner other students are admitted to SIU School of Medicine's program and then by the SIUC Graduate School. In keeping with common practice in the SIU School of Medicine's Ph.D. program in Pharmacology and Neuroscience, the graduate program director will advise students until they have selected a mentor.
3. SIUE faculty members in the Department of Pharmaceutical Sciences, whether tenured or tenure track, who are interested in participating in the Pharmacology and Neuroscience Ph.D. Program must apply for graduate faculty status at SIUC, based on the operating paper of the Graduate School at SIUC. Also, those interested in chairing candidacy or dissertation committees must apply for direct dissertation status as well. Participating SIUE faculty will proceed at SIUC by providing a curriculum vitae to the SIUC Graduate School through the Department of Pharmacology in the School of Medicine. An SIUE faculty requesting direct dissertation status must be a tenured associate or full professor and be approved by the SIUC Graduate School through the SIU School of Medicine Pharmacology and Neuroscience Program. SIU School of Medicine Pharmacology and Neuroscience Program faculty desiring graduate faculty status at

SIUE can do so by contacting the Chair of the Department of Pharmaceutical Sciences. Recommendations will be forwarded for approval by the SIUE Dean of Graduate School.

4. Tuition and fees: Southern Illinois University Board of Trustee's policy regarding tuition and fees of cooperative graduate programs is incorporated herein and made part of the Memorandum. This policy is as follows: cooperative students can register for classes on either campus. They will pay tuition and fees to the campus at which they registered for the class. Thus, in a single semester students may be registered on both campuses and be paying some tuition and fees on each campus. The exception is if the students are only taking classes at SIUE, in which case they will be registered for one credit of 601 with no charge at SIUC.

A student with a waiver granted on either campus will have that tuition waiver honored on the other campus (whether through GA at SIUE or a fellowship at SIU School of Medicine).

5. Residency: SIUE will be designated as an approved residence center by the SIUC Graduate School, making courses taken at SIUE applicable toward SIUC residency requirements for graduation.
6. Courses: The minimum course requirements in the Pharmacology and Neuroscience Ph.D. Program are listed in the Graduate Catalog and on the SIU School of Medicine Pharmacology Department website: (<https://www.siumed.edu/pharm/research-intensive-phd-program-pharmacology-neuroscience.html>). Students must complete core coursework, electives, research tools and dissertation research credit. The required core course work includes:
 1. PHRM 550A & B Principles of Pharmacology (8 credit hours)
 2. PHRM 577 Neuroscience (4 credit hours)
 3. PHRM 530 Advanced Pharmacology and Neuroscience (3 credit hours)
 4. Research Tools (at least 2 as outlined by the Graduate College)
 5. PHRM 501 or 500 (1 credit each semester in residence)
 6. PHRM 540 Responsible Conduct of Research
 7. SIUC's 601 Continuing Enrollment course (SIUE students will be registered for 601 at SIUC without any charge)

Elective course work, up to 24 h will be taken within an area of chosen concentration. The student and the research supervisor(s) in consultation with the student's graduate committee will determine specific courses. If a student chooses an area of concentration in Medicinal Chemistry, core coursework can be substituted at the discretion of the graduate program committee. The multi-disciplinary curriculum for each concentration is customized to meet the student's individual interests and career goals.

In addition, an SIUE student must register for 12 of the 24 hours of dissertation research for residency at SIUC and for the remaining 12 hours at SIUE. Only 6 hours of dissertation research credit may be taken prior to the oral defense of the dissertation proposal and approval of the dissertation proposal. This MOU will be subject to any changes in the requirements approved for the SIUC program.

All graduate courses offered by the two Universities are to be reciprocally recognized as appropriate for application toward the doctoral degree within the requirements of the individual

student's program. The institutions may facilitate course delivery via satellite or similar means of distance learning to increase the number of offerings for students from both campuses and to minimize traveling.

7. Candidacy (Qualifying) Exam: To become a Ph.D. candidate, an SIUE student will follow existing rules applied to all students in the Pharmacology and Neuroscience graduate program at SIUC. The student is admitted to Ph.D. candidacy after having completed the residency requirement, the research tools requirement and the comprehensive written preliminary examination. After the end of the second semester in residence, students should form a graduate committee to oversee their dissertation research. The graduate committee will consist of five members: two SIUC graduate faculty, two SIUE graduate faculty, and an additional member from either institution or an external member who holds graduate status or temporary graduate status as appropriate from the respective institution.

Written preliminary examinations consist of two parts, one based on the program core material, and one on analysis and understanding of current literature in the field of Pharmacology and/or Neuroscience. If the preliminary exam is failed, the student must wait a minimum of three months for the second and final attempt to pass the exam.

8. Dissertation: A dissertation proposal, written in the form of a grant proposal will be submitted to the dissertation committee and presented in an oral seminar as a part of PHRM 500. An oral examination, given by the dissertation committee will follow and must be passed before completion of significant research. A dissertation is written under the direction of the student's dissertation advisor and the student's dissertation committee and must describe significant original research. The dissertation research must also be presented in a seminar as a part of PHRM 500 and defended before the dissertation research committee.
9. Exceptions: Requests for exceptions to admissions or completion requirements will be submitted in writing to the Director of the Pharmacology and Neuroscience Program at SIU School of Medicine.
10. Administrative Support: Both Graduate Schools will provide financial and administrative support for academic and research interactions between the Pharmacology and Neuroscience program faculty and students on two campuses, including annual conferences or meetings. Further, senior administrators (e.g. deans, provosts or vice chancellors) will provide specific help and facilitation to the faculty members of two campuses to pursue external resources (e.g., grant-writing, fundraising) to sustain the growth of Pharmacology and Neuroscience program.
11. Term & Termination: This Memorandum of Understanding shall become effective July 1, 2020 and shall expire June 30, 2025 ("Term") unless earlier terminated as provided herein. Either party (SIUC or SIUE) may terminate this agreement, with or without cause, by providing written notice to the other party at least 90 days in advance of the intended termination date. No less than 180 days prior to the expiration of the Term the Pharmaceutical Sciences Program at SIUE and the Pharmacology and Neuroscience Program at SIU School of Medicine will confer to decide whether to renew the cooperative program defined herein and the terms and conditions of that renewal. Notwithstanding the foregoing provision, any such renewal shall be effective only upon a written agreement signed by the authorized representative of SIUC and SIUE. If this agreement is terminated or not renewed, the then-enrolled Ph.D. students from SIUE will be

allowed to complete their program subject to the rules and policies applicable to the program, including but not limited to completion within the maximum number of years allowed by SIUC Graduate School catalog.

12. This agreement may be modified only by written agreement executed by the authorized representatives of SIUC and SIUE.