

## **AGREEMENT FOR PhD PARTNERSHIP IN PHARMACOLOGY AND TOXICOLOGY WENZHOU MEDICAL UNIVERSITY AND UNIVERSITY OF LOUISVILLE**

The Department of Pharmacology and Toxicology of the University of Louisville and the School of Pharmacy at Wenzhou Medical University intend to enhance relations between the two universities by developing an academic and cultural exchange in teaching, research and other activities. This agreement describes a PhD partnership in which students enter and complete an MS program at Wenzhou Medical University and then transfer to the University of Louisville to complete the requirements for the PhD in pharmacology and toxicology.

Students initially will be admitted into the existing MS program in pharmacology at Wenzhou Medical University. Their course of study at Wenzhou Medical University includes coursework that will substitute for required coursework for the PhD in pharmacology and toxicology at the University of Louisville. Upon completion of the course of study at Wenzhou Medical University, top students will be recommended for transfer to the PhD program in pharmacology and toxicology at the University of Louisville. Upon transfer to the University of Louisville these students will be required to complete presentation/communication courses as well as the remaining required coursework for the PhD in pharmacology and toxicology. The students also will be required to pass applicable qualifying exams, including preparation, presentation and defense of their PhD dissertation proposal. Upon successful defense of their PhD proposal, the students will engage in research towards the preparation, presentation, and defense of their PhD dissertation. Following successful completion of all required courses at the University of Louisville and successful defense of their PhD dissertation, the student will be awarded the PhD in pharmacology and toxicology from the University of Louisville.

The projected number of students will depend upon the quality of the students interested and the capacity of University of Louisville faculty members to incorporate these students into their laboratory research programs.

Requirements for transfer of students from Wenzhou Medical University into the PhD program in pharmacology and toxicology at the University of Louisville include:

1. Letter of application from the student acknowledging that the student is responsible for all required tuition and fees including health insurance to be paid to the University of Louisville.
2. Transcript detailing coursework completed at Wenzhou Medical University.
3. Electronic copy of MS thesis submitted in partial fulfillment for the MS degree at Wenzhou Medical University (if MS thesis was completed).
4. Two recommendation letters that include assessment of applicant's competency in written and spoken English. GRE and TOEFL scores are encouraged but can be waived based on interview and recommendation letters.
5. Copy of letter from Wenzhou Medical University to the student indicating the amount and terms of financial support to the student from Wenzhou Medical University.
6. Transfer of students will be subject to compliance with entry and visa requirements of China, the United States, Wenzhou Medical University and the University of Louisville.
7. Interview with member(s) of the University of Louisville faculty.

Courses completed at Wenzhou Medical University will substitute for courses at the University of Louisville. The curricular requirements to be completed at Wenzhou Medical University that substitute for the specific courses at the University of Louisville are listed below with additional details on course objectives and faculty teaching these courses is provided as an attachment.

1. Cell Biology (48 class hrs)
2. Physiology (78 class hrs)
3. Biochemistry (54 class hrs)
4. Molecular Biology (32 class hrs)
5. Pharmacology (244 class hrs)
6. Medical Research Methods (32 class hrs)
7. Medical statistics (32 class hrs)
8. Completion of an MS degree program awarded by Wenzhou Medical University

Curricular requirements to be taken at the University of Louisville for students transferring to the PhD program in pharmacology and toxicology are shown below (steps 1-4 should be completed in the first year of residency).

1. Communication in English (3 credits)
2. Scientific Writing (2 credits)
3. Research Ethics (1 credit)
4. Seminar (1 credit)
5. Defense of dissertation proposal (Final Qualifying Exam)
6. Presentation and Defense of PhD dissertation
7. Award of the PhD in pharmacology and toxicology from the University of Louisville

All instruction and coursework, presentations, examinations and defenses are in English. Curricular requirements at the University of Louisville may be revised as program quality and effectiveness is assessed through faculty teaching and course evaluations, and through the program review process required of all graduate programs at the University of Louisville.

Member(s) of the University of Louisville or Wenzhou Medical University faculty may travel to the partner university to meet with students, faculty, and administrators to discuss curriculum, course quality, students and logistical issues. Travel costs will be borne by Wenzhou Medical University, subject to their approval regarding dates and number of faculty members each visit.

All tuition and fee costs for the PhD program at the University of Louisville, including participation in the health insurance program, is to be paid by the student. Wenzhou Medical University will provide the students funds to pay all applicable tuition and fees at the University of Louisville, including health insurance, and living expenses including travel and housing. A projection of the cost of each entering student for the 3.5 year estimated tenure in the PhD pharmacology and toxicology program at the University of Louisville is shown as an attachment.

Payment for faculty time and effort and for research expenses are the responsibility of the host university (Wenzhou Medical University during the MS program and the University of Louisville upon transfer to the PhD program). No additional support to the student or waiver of required tuition and fees will be provided by the University of Louisville.

Students transferring from Wenzhou Medical University will have access to the full complement of services available to students enrolled at the University of Louisville, including health, sports and recreation, the arts, advising, entertainment, and housing. The International Center at the University of

Louisville provides comprehensive information and serves all international students at the University of Louisville, including those transferring from Wenzhou Medical University.

This agreement shall be effective upon approval by both universities and shall remain in effect indefinitely subject to the right of either institution to withdraw from the agreement by giving no less than one (1) year written notice to the other institution. Any termination shall not affect the obligations already in progress prior to termination.

Any changes or additions to this agreement shall be agreed to in writing by both universities.

**Signatures for the University of Louisville:**

David W. Hein  
Chair, Department of Pharmacology and Toxicology  
Associate University Provost for Strategic Planning

Date: December 17, 2013

Beth A. Boehm  
Vice Provost for Graduate Affairs  
Dean, School of Interdisciplinary and Graduate Studies

Date: December 17, 2013

Mordean Taylor-Archer  
Vice Provost for Diversity and International Affairs

Date: December 17, 2013

**Signatures for Wenzhou Medical University:**

Professor Xiaokun Li  
Vice President  
Wenzhou Medical University

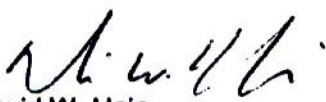
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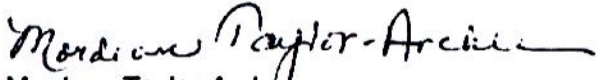
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Date: December 17, 2013

**Signatures for Wenzhou Medical University:**

Professor Xiaokun Li   
Vice President  
Wenzhou Medical University

Date:

2013-12-19