Pharmacy Program Mission

To cultivate graduates of ability and conviction to provide patient-centered care guided by respect for the infinite worth of individuals; and dedicated to improve communities by advancing pharmacy education, practice, service and scholarship.

Vision

To improve the human condition through service.

ASHP MIDYEAR MEETING

by Jessica Western, Class of 2017

Each year, thousands of pharmacists and pharmacy students attend the annual American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, held this year in Las Vegas, Nev., Dec. 3-8. The Midyear Clinical Meeting provides opportunities to network and learn more about other pharmacy professions and the chance to earn continuing education credits.

The event also allows pharmacy students and residents to present research posters. This year, we had nine student posters presented and 10 resident posters presented from Manchester University alumni. The topics ranged from post-operative venous thromboembolism prophylaxis to pharmacy technician discharge medication review programs. Manchester presenters are pictured at right with their research posters.

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MANCHESTER’S COMMITMENT TO PHARMACOGENOMICS
by Ly Nguyen, Class of 2017

Pharmacogenomics (PGx) is an emerging and promising field that explores the relationship between an individual’s genetic makeup and its response to drugs. The field unites pharmacology and genomics to develop safe and effective medications with doses specifically customized to a person’s genetic makeup. The drug-gene testing will decrease or avoid altogether the risk of adverse drug reactions. Manchester University realized the potential need to provide the industry with experts in PGx and became the first institution in the nation to offer a one-year Master of Science degree in PGx.

Students start in the summer, and complete this comprehensive program the following summer with a total of 42 credit hours. Over the course of three full-time semesters, students engage in direct, interactive training inside an advanced genomic laboratory, with high-throughput equipment as would be found in a clinical laboratory. The first class, which started on May 17, 2016, currently has 11 students. The smaller class size provides an environment that fosters personalized learning and allows the faculty to prepare the students for real world success.

Admission into the program is based on application review, with a rolling admissions cycle, until approximately two months prior to the start of classes. To be considered for the program, candidates must have completed either an undergraduate science or professional degree, a master of science degree, a master of arts degree, or commensurate professional experience. Applicants must submit the application form, a $25 application fee, a statement of intent and official transcripts from all undergraduate or graduate schools attended. Two letters of recommendation must also be included with the student’s application. For more information, please visit http://www.manchester.edu/pgx.

In addition to the on-campus program, Manchester will also offer an online option set to start in May 2017. The online program is ideal for students who may have less flexible schedules, and wish to take classes part-time from where they work and live, earning 6 to 8 credits each semester and completing the program in two years.

The online program has two tracks: the laboratory track, which, similar to the on-campus program, prepares graduates to work in pharmaceutical, genetic testing and professional service industries, and the clinical track, aimed at health care providers, who can put PGx training to use in their field.

ANOTHER OPTION FOR PGX TRAINING

For those who desire Pharmacogenomics training, but don’t wish to earn a master’s degree, Manchester University, in collaboration with RXgenomix, is offering a 16-hour, Pharmacogenomics CE Certification Program. Designed to help pharmacists understand and apply the concepts of pharmacogenomics in their clinical practice, this innovative CE program has been added by the American Pharmacist Association (APhA) to their educational lineup (as of Nov. 10, 2016) and has been accredited by the Accreditation Council for Pharmacy Education (ACPE).

For more information, please visit http://www.pharmacist.com/article/rxgenomix-offer-training-program-pharmacogenomics.
Dr. Dennis Brown earned his Ph.D. in pharmaceutical sciences (medicinal chemistry) from Wayne State University in 2008. He worked as a postdoctoral research associate at the University of Minnesota College of Pharmacy, where he worked on the synthesis of polyketide antibiotics. In 2011, Dr. Brown joined Manchester University as an assistant professor of pharmaceutical sciences. Here, he teaches various topics in the Pharm.D. curriculum, including biochemistry, medicinal chemistry and pharmacology. Dr. Brown’s research interests are focused on the development of novel molecules targeting diseases of the central nervous system.

When Dr. Brown is not teaching or working in the lab, he enjoys cooking, reading and playing with his 5-year-old Brittany Spaniel.

PRECEPTOR RESOURCES

We would like to remind you of some valuable preceptor resources:

**The Collaborative Education Institute (CEI)** is an online collection of continuing education modules that you can complete at your leisure for ACPE certified credits. Modules include clinical and preceptorship topics. Additionally, access includes a monthly journal club called “Login to Learn” that you and/or your student can attend virtually while they are at your rotational site.

**Science Direct** is a collection of scientific journals and books that you can use to look up primary literature. This is a new resource from Manchester University.

Find links to these and other preceptor resources at link.manchester.edu/precept.

If you would like access codes to either of these resources, please contact our office at 260-470-2654 or email Sara Trovinger at sntrovinger@manchester.edu.