Postgraduate Year Two (PGY2) Pharmacy Residency in Internal Medicine

Information and Application Materials 2018-2019
University of Wisconsin (UW) Health
PGY-2 Pharmacy Residency in Internal Medicine

UNIVERSITY OF WISCONSIN HOSPITALS AND CLINICS
600 Highland Avenue
F6/133 CSC; Mail Code 1530
Madison, Wisconsin 53792

ASHP Program Code: 45060
National Matching Service Code: 757056

Accreditation Status: Pre-candidate

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Residency Program:
Duration/Type: 12 months PGY-2 Pharmacy Residency in Internal Medicine
Number of Positions: 1
Application Deadline: January 2, 2018
Starting Date: July 2018
Estimated Stipend: $47,500
Interview Required: Yes

Special Features: This program provides residents with extensive experience in an advanced clinical practice setting along with opportunities to conceptualize, integrate, and transform accumulated experiences into skill and competence in providing patient care. Residents have the opportunity to receive training in areas including internal medicine, infectious diseases, cardiology, hematology, oncology, gastroenterology, nephrology, neurology, pulmonology, rheumatology, solid organ transplant, informatics, drug policy, clinical leadership, primary care, anticoagulation, emergency medicine, nutrition support, pharmaceutical research, medication safety, hospice, palliative care, home infusion, and specialty pharmacy.

Fringe Benefits: Health insurance (health/vision/dental), 10 days paid time off / 5 legal holidays, funding for professional meetings, travel days to visit other health systems, access to the University of Wisconsin's recreation, educational and cultural facilities

Special Requirements for Acceptance: Completion of an ASHP-accredited PGY1 Pharmacy Residency, achievement of licensure in Wisconsin no later than September 1, 2018, and completion of all application materials by January 2nd and an onsite interview.
Training Site:
Type: Hospital/Health System
Owner/Affiliate: Public Authority
Model Type(s): Teaching, Tertiary
Patient volume: 30,646 admissions; 58,098 emergency room visits; 624,484 outpatient visits
Tax Status: Nonprofit
Leadership FTE: 32
Pharmacist FTE: 159
Technician and Support FTE: 195
Total Beds: 648
Other statistics: 7 intensive care units with the following bed distributions (99 beds): 24 Medical/Surgical ICU, 19 Pediatric ICU, 12 Neonatal ICU, 7 Medical/Cardiac ICU, 8 Cardiothoracic Surgery ICU, 12 Burn ICU, 15 Neurology/Neurosurgery ICU; 18 bed Psychiatric Unit; 117 outpatient clinics; 649 house staff (physician residents/fellows); 1046 Med Flights


The department's drug distribution system is heavily supported using automation, innovative robotic and point-of-care technology, which is supported by a fully integrated information system and network. Pharmacist involvement at every step of the medication use process provides high levels of safety and quality in the provision of patient care. The department manages 15 retail pharmacies, a home care company, hospital and long-term care consulting services, Unity Health Insurance, a telepharmacy mail order service, and a hospice hospital.

Major Programs
Critical Care—Med Flight critical care air transport service, established April 1985; fully equipped emergency room; trauma center with Level One status for both adult and pediatric care; burn unit; pediatric intensive care unit; cardiac and medical intensive care units.

UW Carbone Cancer Center—One of 69 federally designated centers for cancer treatment and research. The UWCCC also has five affiliated regional cancer centers throughout Wisconsin and Illinois.

American Family Children’s Hospital—An 87-bed pediatric hospital adjacent to UW Health, nationally known for treatment of children’s lung diseases, cardiac surgery and other pediatric specialties.

Organ Transplant—One of the nation’s largest programs, with patient outcomes consistently cited among the best in the nation. Recognized by US Department of Health and Human Services as an organ procurement best practice site.

Heart and Vascular Care—Offers a comprehensive program of prevention, expert diagnosis and treatment of full spectrum of heart-related diseases.

Stroke Center—Offers one of the most comprehensive sets of stroke studies in the nation, including testing of multiple surgical interventions, advanced diagnostic imaging and medications and therapeutic interventions for acute stroke and its after-effects. Certified as a Comprehensive Stroke Center by the Joint Commission and the American Heart Association/American Stroke Association.
Program Statement of Purpose:

The PGY2 Pharmacy Residency in Internal Medicine is designed to transition PGY1 Pharmacy resident graduates from a generalist to specialized practice focused on the care of adults with medical problems, primarily in the inpatient setting.

Program Philosophy:

Residents who successfully complete the PGY2 Internal Medicine Residency will be able to provide integrated pharmaceutical care at a patient-specific level as well as a patient population level across continuums of care. Furthermore, the program will provide residents with opportunities to conceptualize, integrate, and transform accumulated experiences and knowledge into skill, competence, and confidence in providing safe, efficient, and evidence based cost-effective patient care.

Residents will develop a philosophy of practice that includes:
- Responsibility and accountability of pharmacists’ for pursuing optimal drug therapy outcomes and medication safety in the provision of patient care
- Education and training of other health professionals and students
- Self-learning and continuing professional development
- Commitment to the profession and their community
- Appreciation for scholarly activity

Accreditation

The UW Health PGY-2 Pharmacy Residency Program in Internal Medicine has American Society of Health-System Pharmacists pre-candidate accreditation status.

The Residency Year, Numbers, and “The Match”

The residency is 12-months in duration starting on July 9 2018. A maximum of one resident is accepted into the program annually. The program participates in the ASHP Residency Matching Program and ASHP Pharmacy Online Residency Centralized Application Service (PhORCAS).

Program Director and Preceptors

The PGY2 Internal Medicine residency program director is Anne Rose, PharmD and the PGY2 Internal Medicine residency coordinator is Krista Rieger, PharmD, BCPS (KRieger@uwhealth.org).

Clinical pharmacists and pharmacy administrative staff serve as preceptors for individual rotations and as advisors for research and professional development. Members of the clinical faculty affiliated with the UW School of Pharmacy work with residents on research projects, presentation advising, clinic involvement, and precepting pharmacy students.

Application Deadline
All application materials for the PGY2 Pharmacy Residency in Internal Medicine at UWHC must be received by January 2, 2018.

**Stipends & Benefits**

Residents during 2018-2019 will receive a stipend of $47,500/year. Residents receive 10 days paid time off / 5 legal holidays are not required to use vacation time to attend meetings. As employees of UW Health, residents receive full health, vision and dental insurance benefits and full access to the University of Wisconsin’s recreational, educational, and cultural facilities. Further information on benefits can be obtained at www.uwhealth.org/careers.

**The Residency Experience**

*Rotations:* The resident will complete one 4-week training/onboarding period, eleven 4-week clinical rotations, and longitudinal experiences in ambulatory care clinics.

Activities while on rotation will include, but are not limited to:
- Collaboratively managing drug therapy with other members of the healthcare team
- Daily rounds with the healthcare team
- Admission histories (completed for all UWHC patients)
- Discharge teaching (completed for all UWHC patients)
- First-dose teaching
- Patient monitoring and documentation
- Pharmacokinetic calculations and dose adjustments
- Investigation of medication error reports and patient/medication safety follow-up
- Adverse drug event reporting
- Drug information; literature review; reading and contributing to team files
- Attending and participating in code situations
- Quality improvement activities
- Team-related research projects
- Communication and interaction with team preceptor and pharmacists
- Communication and interaction with physicians and nurses
- Precepting (1st, 2nd and 3rd year IPPE students, 4th year APPE students) and PGY1 pharmacy residents
- Instructional and patient case presentations

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<th>Required Rotations (4)</th>
<th>Elective Rotations</th>
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<td>Internal Medicine (3)</td>
<td>Gastroenterology</td>
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<td>Infectious Diseases/Antimicrobial Stewardship (1)</td>
<td>Hepatology</td>
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<td>Ambulatory Care Clinic (longitudinal)</td>
<td>Nephrology</td>
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<td>Pulmonology</td>
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<td>Rheumatology</td>
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<td>Neurology</td>
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<td>Endocrinology/Diabetes</td>
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<td>Geriatrics</td>
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<td>Hematology/Oncology</td>
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<td>Solid organ transplant</td>
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<td>Informatics</td>
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<td>Drug Policy</td>
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<td>Primary care</td>
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<td>Anticoagulation</td>
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<td>Emergency medicine</td>
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<td>Nutrition support</td>
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<td>Pharmaceutical research</td>
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<td>Medication safety</td>
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<td>Palliative care</td>
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<td>Home infusion</td>
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<td>Specialty pharmacy</td>
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**Ambulatory Care:** The residents participate in a longitudinal ambulatory care clinic experience in one or two practice settings. Eligible settings include:
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<th>Ambulatory Clinic Rotations</th>
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<tr>
<td>Anticoagulation</td>
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<td>Adult Pulmonology</td>
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<td>HIV Clinic/Infectious Diseases</td>
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<td>Neurology</td>
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<td>Oncology</td>
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<td>Lung Transplant</td>
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<td>Renal Clinic/Wisconsin Dialysis</td>
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<td>Abdominal Transplant</td>
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<td>Pediatric Pulmonary</td>
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<td>Primary Care</td>
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<td>Hepatology</td>
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<td>Inflammatory Bowel Diseases</td>
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<td>Specialty Pharmacy</td>
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**Clinical Staffing:** Pharmacy services are provided by teams of pharmacists within an integrated practice model. These teams of pharmacists are decentrally based and provide care as part of the interprofessional team through patient care rounds, clinical monitoring, medication order review, admission histories, first-dose teaching, discharge teaching and care coordination, code and stroke response teams, drug information provision, medication use stewardship. The table below depicts which medical services/units are covered by which pharmacist teams. Residents staff in the same roles as their preceptors on the medicine team which covers 5 hospitalist services, 3 internal medicine services, an advanced pulmonary service, a family medicine service, and a geriatric consult service (Acute Care Elders, ACE). On average, the resident will staff 8-12 hours every week, which is made up of evening shifts from 4-8PM during the week and every other weekend.

**Projects:** Each pharmacy resident completes at least one major research project. Projects are presented at the Vizient Pharmacy Network resident poster session prior to the ASHP Midyear Clinical Meeting and Great Lakes Pharmacy Resident Conference. Residents are strongly encouraged to submit a manuscript for publication. Projects are selected off a vetted list provided by the resident advisory committee and usually 70 – 80 projects are available to select from. All projects include implementation of change that expands or enhances patient care or pharmacist roles at UW Health. Everything our department has accomplished is a result of resident projects.

**Presentation Opportunities:** Residents have ongoing opportunities to improve their speaking skills as they prepare for and participate in “Resident Report,” which is an opportunity for residents, preceptors and students to discuss patient cases and how to improve their clinical practice. In addition, residents provide educational presentations and in-services and can present at Pharmacy Grand Rounds, Resident Report or in University of Wisconsin School of Pharmacy courses. All residents will present their research, quality improvement and drug usage evaluation projects at local, regional and national meetings.

**Teaching Opportunities:** Residents receive clinical instructor status at the University of Wisconsin School of Pharmacy. They have the opportunity to take an active role in teaching second- and third-year students in pharmacotherapy lab and precepting fourth-year students on clinical rotation at the hospital. A teaching certificate program for residents at area hospitals is offered in conjunction with the University of Wisconsin School of Pharmacy. Additional elective rotations with School of Pharmacy faculty are available.

**Other activities:**
- Weekly resident seminar – local and national speakers discussing clinical and administrative topics
- Weekly resident report-to discuss operational and clinical points targeted to residents
- Participation in clinically-focused committees
- Advanced Cardiac Life Support training
- Every resident is provided a mentor/adviser to meet with monthly for guidance and support
- Interprofessional mock codes in the state of the art simulation center
- Participation in resident group service projects/volunteering
- Interact with your co-residents (~26 residents/year currently – programs include critical care, infectious disease, oncology, transplant, administration, medication systems and operations, specialty pharmacy, ambulatory care, internal medicine, drug policy, pediatrics and informatics)

**Travel:** Residents receive travel support to attend the ASHP Midyear Clinical Meeting (or an alternative approved meeting), the Great Lakes Pharmacy Residents Conference, and a spring visit to other health systems and residency programs in order to observe, learn, and share ideas.

**Duty hours:** The residency program follows duty hour definitions and recommendations from the Accreditation Council for Graduate Medical Education, [www.acgme.org](http://www.acgme.org). Duty hours are defined as all clinical and academic activities related to the program; i.e., patient care (both inpatient and outpatient), administrative duties relative to patient care, the provision for transfer of patient care, time spent in-house during call activities, and scheduled activities, such as conferences. Duty hours do **not** include reading and preparation time spent away from the duty site.
- Duty hours must be limited to 80 hours per week, averaged over a four-week period, inclusive of all in-house call activities.
- Residents must be provided with one day in seven free from all educational and clinical responsibilities, averaged over a four-week period.

**Extended leaves of absence:** All resident leaves of absence and sick leaves are governed by UW Health Policies and Procedures. In situations of an extended leave of absence, the resident may petition the Resident Advisory Committee for an extension of their residency end date to complete required residency goals and objectives. All decisions related to extensions are made on a case-by-case basis. Please contact the program director if you have additional questions about our leave of absence or sick leave policies.
How Do I Apply?

**Applications**
Applicants should submit a standard application (personal statement / letter of intent, 3 references, and a CV) through the Pharmacy Online Residency Centralized Application Service (PhORCAS). Please encourage reference writers to add a brief program specific comment when able.

**Application Deadline**
The application deadline for all residency programs is January 2, 2018.

**On-Site Interviews**
Applicants selected for an on-site interview will be contacted by the current resident(s) to discuss available dates. Interviews are typically scheduled on Mondays and Fridays as full-day interviews. You may also contact the administrative assistant, Jenny Lendborg at jlendborg@uwhealth.org or (608) 263-1290, to direct you to the residency program director regarding any questions about the interview or the program.

The ASHP Matching Program results are announced in March 2017. If you match at UW Health you will receive a letter of acceptance from the program director and an official job offer from UW Health Human Resources with salary/benefit information, including preliminary on-boarding information.

**ASHP Midyear Clinical Meeting**
Interested residents are encouraged to visit our residency showcase booth and/or contact the program director, Anne Rose or Krista Rieger to set-up a PPS interview, and/or attend the Wisconsin Reception to learn more about the program and meet current residents/preceptors.