

# PGY1 Pharmacy Practice Residency

“To improve the health of the communities we serve with quality and compassion”

## Health System Overview

- Not-for-profit integrated Health System
- Level II Trauma Center
- Nationally and Regionally ranked
- Specialty Areas: Neurosciences, Trauma, Emergency Medicine, Cardiovascular Care, Pediatrics, Orthopedics, Obstetrics

## Location

- 25 miles east of San Francisco, CA
- Easy access to:
  - ✓ Renowned national parks
  - ✓ Music, theater, museums
  - ✓ Napa & Sonoma counties
  - ✓ Famed culinary scene



## Commitment

- Build on Doctor of Pharmacy education
- Contribute to the development of strong clinical pharmacists
- Promote board certification and/or PGY2 pharmacy residency training

## Learning Experiences

- Internal Medicine
- Ambulatory Care
- Critical Care
- Emergency Medicine
- Pediatrics
- Infectious Disease
- Neuro/Trauma ICU
- Oncology
- Progressive Care
- Medication Safety
- Administrative Practice
- Pharmacy Operations

## Preceptors

- Affiliated with UCSF, UOP, Touro University
- Pharmacy residency trained
- Board Certified
- BLS, ACLS, PALS Certified
- Members of professional practice organizations at local & national levels
- Leaders within practice areas and the institution

***NMS code: 269813***

# PGY1 Pharmacy Residency Program

Our residency program offers a range of experiences in a pioneering community hospital setting. We focus on teamwork, as our pharmacists are integrated as an important part of the healthcare team. By creating an environment where our residents can think critically and innovatively, we aim to provide a foundation where new pharmacists will deliver high quality healthcare.

The residency is a structured, yet flexible, program providing training in all areas of clinical and hospital pharmacy operation. Our enthusiastic preceptors work to create a program to align with the resident's interests and goals.

## Salary and Benefits

Annual salary \$53,000 (paid twice monthly). Includes Medical, Dental and Vision coverage.

Leave is accrued per pay period based on hours paid, excluding overtime. Accrual begins on the first day of employment. Leave may be used to attend professional conferences and for post-graduate or job interviews.

All residents are provided with a stipend to support travel, lodging, and registration fees for the purposes of professional conferences. The amount of the travel stipend is determined each year and may not cover all travel expenses.

## Required Learning Experiences

- Ambulatory Care
- Internal Medicine
- Critical Care
- Administrative Practice
- Pharmacy Operations

## Elective Learning Experiences

Emergency Medicine, Pediatrics, Neurocritical Care, Progressive Care, Oncology, Infectious Disease, and Medication Safety.

Residents will also have opportunities in obtaining a Teaching Certificate, presenting a research project at Western States Conference, committee participation, precepting IPPE/APPE students, interdisciplinary team-based care with the Family Practice Medical Residents, and more...

## Open House

**Nov. 13<sup>th</sup> 2020, 4:00 – 6:00 pm**

**RSVP by Nov. 6<sup>th</sup>**

For more information email:

[pharmacy.residency@johnmuirhealth.com](mailto:pharmacy.residency@johnmuirhealth.com)

## How to Apply

All applicants must register for The Match-ASHP Resident Matching Program AND submit an application through the PhORCAS website: <http://www.ashp.org/phorcas> the deadline for applications and all supplemental requirements for acceptance is Dec. 31, 2020.

### Application must include the following components:

- A cover letter describing the elements of the program that most interest you and how each relates to your goals
- Three (3) letters of recommendation using the standard PhORCAS template, two references should come from a preceptor who you have worked with in a clinical setting
- Supplemental Application Material: Submit a short video of yourself (upload to youtube) and email the link to [pharmacy.residency@johnmuirhealth.com](mailto:pharmacy.residency@johnmuirhealth.com) that contains the following:
  - (a) Introduce yourself – say your full name and pharmacy school
  - (b) Answer the question: "What made you choose pharmacy as your profession?"
  - (c) Duration is 2 minutes or less
  - (d) Email Subject: "Your Name – Residency Application Video"



| Activity                                  | Block 1                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                          | Block 2    |                  | Block 3    |                                                                      | Block 4                                |                                 | Block 5    |            | Block 6             |                        | Block 7 |  |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------|------------------|------------|----------------------------------------------------------------------|----------------------------------------|---------------------------------|------------|------------|---------------------|------------------------|---------|--|
| Residents:                                |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          |            |                  |            |                                                                      |                                        |                                 |            |            |                     |                        |         |  |
| #1                                        | Orientation                                                                                                                                                                                                                                                                                                                                                                                                                           | Admin<br>MUE,<br>Monograph, ADR<br>Quarter Report,<br>Research Project<br>IRC Submission | Medicine   | Critical<br>Care | Elective 1 | Admin<br>Research<br>Project Data<br>Collection, CPE<br>Presentation | Operation                              | Am Care                         | Elective 2 | Elective 3 | Admin<br>Manuscript |                        |         |  |
| #2                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                          | Elective 1 | Am Care          | Medicine   |                                                                      | Critical<br>Care                       | Operation                       | Elective 2 | Elective 3 |                     |                        |         |  |
| Longitudinal Learning Experiences         | Administrative Practice (concentrated blocks throughout year to complete administrative duties)                                                                                                                                                                                                                                                                                                                                       |                                                                                          |            |                  |            |                                                                      |                                        |                                 |            |            |                     |                        |         |  |
| Teaching Certificate Program<br>*optional | The UCSF Teaching Certificate Program is jointly sponsored by UCSF Medical Center and UCSF School of Pharmacy. The program is designed to support the development of residents in the design and conduct of small group teaching, large group teaching, and experiential education.                                                                                                                                                   |                                                                                          |            |                  |            |                                                                      |                                        |                                 |            |            |                     |                        |         |  |
| Research Series<br>*optional              | The Resident Research Series is a collection of 1-hour seminars/month delivered during the regularly schedule Pharmacy Grand Rounds at UCSF. Sessions are open to JMH pharmacy residents and have been planned with the resident research deadlines in mind. Each session is intended to provide residents with the necessary training and tools to successfully complete their research project according to the scheduled calendar. |                                                                                          |            |                  |            |                                                                      |                                        |                                 |            |            |                     |                        |         |  |
| Meetings                                  | Pharmacy Grand Rounds (Every other Month, 2 <sup>nd</sup> Tuesday)<br>Pharmacy Department Meeting (Monthly, every 2 <sup>nd</sup> Wednesday)<br>P&T (Monthly, Every 4 <sup>th</sup> Wednesday)<br>Resident Meeting (Monthly -> every 1 <sup>st</sup> Thursday)<br>Longitudinal Committee (Monthly, TBD)<br>Resident Development Plan w/ RPD (Quarterly -> Initial, Oct , Jan, April 1 <sup>st</sup> )                                 |                                                                                          |            |                  |            |                                                                      |                                        |                                 |            |            |                     |                        |         |  |
| Events                                    | Welcome<br>Breakfast                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                          |            |                  |            | Open House                                                           | ASHP Midyear<br>Poster<br>presentation | PGY1<br>candidate<br>interviews |            |            | Western<br>States   | End of Year<br>Banquet |         |  |

## Learning Experience Description

| Required Learning Experience                                                              | Overview                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ambulatory Care</b><br>(krystal.pong@johnmuirhealth.com)                               | <ul style="list-style-type: none"> <li>▪ 4 clinic settings:               <ul style="list-style-type: none"> <li>✓ Anticoagulation – phone based, primarily warfarin management including bridge therapy (comprises approximately 50% of rotation duties)</li> <li>✓ Medicare Stars – phone based, medication therapy management aimed at improving chronic disease state management</li> <li>✓ Family Medicine Clinic – face-to-face, medication education and drug information</li> <li>✓ Comprehensive Care Clinic – face-to-face, patient interviews, comprehensive medication review in conjunction with medical residents in the JMH Family Medicine Residency program</li> </ul> </li> </ul> |
| <b>Critical Care</b><br>(jessica.moore@johnmuirhealth.com)                                | <ul style="list-style-type: none"> <li>▪ 24-bed Neuro/Trauma ICU (Level II Trauma Center)</li> <li>▪ 24-bed Medical/Surgical ICU</li> <li>▪ Multidisciplinary team rounding in a fast-paced environment</li> <li>▪ Specialties include neurology, trauma, surgery, hematology/oncology, GI, cardiology, gyn-oncology, pulmonology, ID, nephrology</li> <li>▪ Pharmacy driven protocol management</li> </ul>                                                                                                                                                                                                                                                                                         |
| <b>Internal Medicine</b><br>(nichol.baxter@johnmuirhealth.com)                            | <ul style="list-style-type: none"> <li>▪ Focuses on medication therapy management for patients admitted to the general medicine units (~50 patients)</li> <li>▪ Conditions/disease states include: AFib, CHF, HTN, DM, COPD, CKD</li> <li>▪ Pharmacy driven protocol management</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pharmacy Operations</b><br>(amy.chang@johnmuirhealth.com)                              | <ul style="list-style-type: none"> <li>▪ Staffing in a centralized pharmacy team setting to improve proficiency in medication distribution using various technologies</li> <li>▪ Care provided for over 300 patients, 3 cath labs, 13 ORs, outpatient infusion center, various ICUs, and labor &amp; delivery services</li> <li>▪ Duties will include order verification, manual checking of doses/cartfills/emergency medication boxes, technician oversight, and precepting IPPE/APPE/technician students</li> </ul>                                                                                                                                                                              |
| <b>Administrative Practice</b><br>(martin.iyoya@johnmuirhealth.com)<br><br>(longitudinal) | <ul style="list-style-type: none"> <li>▪ Collaboration with pharmacy managers, supervisors, and other department leaders within the multi-facility health system</li> <li>▪ Various projects will support the functioning of the inpatient pharmacy, clinical staff, and health system:               <ul style="list-style-type: none"> <li>✓ MUE</li> <li>✓ Cost savings initiatives</li> <li>✓ Committee involvement</li> <li>✓ Research and education (residency project, grand rounds, etc)</li> </ul> </li> </ul>                                                                                                                                                                             |
| Elective Learning Experience*                                                             | Overview                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Emergency Medicine</b><br>(ravipal.singh@johnmuirhealth.com)                           | <ul style="list-style-type: none"> <li>▪ 40 beds</li> <li>▪ 4 trauma bays (Contra Costa County's adult trauma center, Level II)</li> <li>▪ Multidisciplinary management of patients in a fast-paced environment</li> <li>▪ Specialties include trauma, GI, ID, general medicine, surgery, cardiology, endocrinology</li> <li>▪ Pharmacy driven protocol management</li> </ul>                                                                                                                                                                                                                                                                                                                       |
| <b>Medication Safety</b><br>(amy.chiu@johnmuirhealth.com)                                 | <ul style="list-style-type: none"> <li>▪ Expose residents to key principles used to improve medication safety in the hospital setting</li> <li>▪ Become proficient at medication safety nomenclature, policies, and regulatory requirements</li> <li>▪ Participate in medication use review, medication error investigation, preform data analysis to identify areas for improvement, and participate in Medication Safety Committee</li> </ul>                                                                                                                                                                                                                                                     |
| <b>Pediatrics</b><br>(sadee.tran@johnmuirhealth.com)                                      | <ul style="list-style-type: none"> <li>▪ 3 pediatric practice areas:               <ul style="list-style-type: none"> <li>✓ Peds ICU (8 beds)</li> <li>✓ NICU (~30 beds)</li> </ul> </li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Learning Experience Description

|                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|                                                                   | <ul style="list-style-type: none"> <li>✓ General pediatric medicine (16 beds)</li> <li>▪ Specialties include GI, ID, endocrinology, hematology/oncology, pulmonology (cystic fibrosis)</li> <li>▪ Multidisciplinary rounding (includes Family Medicine medical residents) in a fast-paced environment</li> <li>▪ Pharmacy driven protocol management</li> </ul>                                                                                                                                                                                                                                                                                                                                               |
| <b>Neuro/Trauma ICU</b><br>(randi.douglas@johnmuirhealth.com)     | <ul style="list-style-type: none"> <li>▪ 24-bed Neuro/Trauma ICU</li> <li>▪ Gain targeted expertise in the management of critically ill patients encountered in a comprehensive stroke center and Level II trauma center</li> <li>▪ Concentrated focus on condition/disease states including:               <ul style="list-style-type: none"> <li>✓ Status epilepticus, refractory</li> <li>✓ Malignant cerebral edema</li> <li>✓ Increased intracranial pressure</li> <li>✓ Stroke (ischemic, SAH, ICH)</li> <li>✓ Traumatic brain injury</li> <li>✓ Spinal cord injury</li> </ul> </li> <li>▪ Multidisciplinary care in a fast-paced environment</li> <li>▪ Pharmacy driven protocol management</li> </ul> |
| <b>Infectious Disease</b><br>(jessica.moore@johnmuirhealth.com)   | <ul style="list-style-type: none"> <li>▪ Incorporate antimicrobial stewardship principles into practice</li> <li>▪ Participate in therapeutic decision making, drug therapy selection, and monitor/optimize antimicrobial therapy</li> <li>▪ Participate in ASP subcommittee</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Progressive Care</b><br>(trevor.millington@johnmuirhealth.com) | <ul style="list-style-type: none"> <li>▪ 12-bed Neurological step down unit</li> <li>▪ 36-bed Medical step down unit</li> <li>▪ Specialties include pulmonology, neurology, GI, cardiology</li> <li>▪ Multidisciplinary care in a fast-paced environment</li> <li>▪ Pharmacist involvement with identifying and overcoming barriers to discharge and safe transitions of care</li> <li>▪ Pharmacy driven protocol management</li> </ul>                                                                                                                                                                                                                                                                       |
| <b>Oncology</b><br>(amy.riedel@johnmuirhealth.com)                | <ul style="list-style-type: none"> <li>▪ Alongside Oncologists, Hematologists, and Nurses in the Oncology Unit</li> <li>▪ Multidisciplinary rounding to develop oncology treatment plans</li> <li>▪ Duties will include making, prepping, and checking chemo</li> <li>▪ Will gain experience and knowledge in the treatment and management of hematologic and solid tumor malignancies, TLS, neutropenic fever, pain management, chemo induced N/V, and supportive care</li> </ul>                                                                                                                                                                                                                            |

\* The resident must pick at least 2 elective learning experiences in direct patient care and spend no more than 4 months w/ same patient population in the residency year. All experiences are in 6 week blocks unless otherwise specified.

### Unless otherwise specified, clinical/patient-centered rotation duties may include, but not be limited to:

- Patient interviews and counseling
- Determining appropriate/optimal therapy plans
- Drug information/education responses for healthcare professionals and patients/caregivers
- Precepting IPPE/APPE students
- Order verification
- Medical emergency response (i.e. code blue)

### Pharmacy driven protocols at JM Health include:

- Electrolyte management
- Renal dose adjustment
- Anticoagulation management (i.e. heparin/argatroban/warfarin)
- Stress ulcer prophylaxis management
- Vancomycin/Aminoglycoside dosing and monitoring
- Narrow therapeutic index medication monitoring
- Parenteral nutrition monitoring and adjustment