The University of California, San Diego (UCSD) Medical Center Department of Pharmacy and the UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences offers a one-year specialty residency in infectious diseases pharmacy practice beginning August 2016.

**Scope**

UCSD Medical Center consists of two acute care hospitals and associated outpatient clinics. The Medical Center is affiliated with the UCSD School of Medicine and the UCSD Skaggs School of Pharmacy and Pharmaceutical Sciences. The Department of Pharmacy provides clinical services at two hospitals and 5 outpatient pharmacies with specialty services including critical care, trauma, burn, internal medicine, surgery, cardiology, oncology, solid organ and bone marrow transplantation, infectious diseases, HIV/AIDS and neonatal ICU.

This specialty residency balances direct patient care, research, and teaching opportunities and is tailored to the individual's interest within the infectious diseases discipline. Primary service responsibilities include antimicrobial stewardship, attending daily microbiology laboratory rounds, and participation with the Infectious Diseases Consultation Service. A broad range of electives are available for the resident to select from including, critical care, trauma, burn, internal medicine, surgery, cardiology, oncology, hepatology, solid organ and bone marrow transplantation, infection control and epidemiology, HIV/AIDS, and pediatric infectious diseases.

Teaching activities include regular didactic presentations, involvement with the UC San Diego School of Pharmacy and Pharmaceutical Sciences courses, (e.g., conference leader for third year microbiology therapeutics course, lecturer in microbiology therapeutics course), and clerkship preceptorship for PGY1 pharmacy practice residents and fourth-year UC San Diego pharmacy students during their clinical infectious diseases rotation. The ability to work independently and to supervise pharmacy students and residents will be emphasized. The resident will participate in all of these activities and will also have a longitudinal clinical practice site.

A residency project will be completed and presented at the San Diego Pharmacy Resident’s Forum. Scientific writing is strongly emphasized and the preparation and submission of a manuscript will be expected. The ability to work independently and to supervise pharmacy students and residents will be emphasized. Minimal staffing component and professional time off to attend pharmacy and ID related professional meetings.
PGY2 Infectious Diseases Pharmacy Residency Program Overview
2016-2017

ASHP Program Match Number: 509655

Number of residency positions available: 1 new resident is accepted each year.

Salary and Benefits: The annual stipend is currently $50,000. Benefits include medical, dental, and vision insurance. In addition, vacation, sick and professional leave are provided.

Requirements:

An on-site interview is required and will be held during late January through early March. This specialty residency program participates in the ASHP Resident Matching Program. All applicants must be enrolled in the Resident Matching Program. To facilitate this enrollment process and for further information, please visit the following website: www.natmatch.com/ashprmp

If matched with the UCSD Residency Program, matched candidates must have all of the following:

1. Graduated from an accredited school of pharmacy with a Doctor of Pharmacy degree
2. Successfully completed a PGY1 pharmacy practice residency
3. Obtained California pharmacy licensure prior to beginning residency
   (absolute deadline = November 1, 2016)

Application:

Applications for the 2016-2017 year will be accepted beginning November 1, 2015.

Deadline for application is January 4, 2016.

Applications should be submitted through PhORCAS and include the following:

1. Letter of intent
2. Current Curriculum Vitae with all experiential completed and anticipated rotations as well as pharmacy work experience.
3. Photo (passport size) of yourself along with your full name printed clearly in pen on the back.
   NOTE: Photo will be used for Candidate ID purposes and will likely be reproduced.
4. Official academic transcript (pharmacy school only)
5. Three Letters of recommendations are required. At least 2 of the letters should be from preceptors or supervisors who can directly comment on your clinical and practice skills.

Note: Letters of recommendation should be submitted through the Phorcas web portal application process (WebAdMIT.org).
PGY2 Infectious Diseases Residency Requirements for Completion/Graduation

- Successful completion of all core rotations (all rotation goals marked SP or ACH by the final evaluation)
- ≥80% of RLS goals marked “Achieved for the Residency” by the end of the year (as evaluated by individual rotation preceptors or by the RPD upon final review of the resident’s progress)
- Twelve months maximum is allotted to successfully complete the core requirements. If a core rotation must be repeated, then elective time shall be used. If the above requirements are not met in full, the residency certificate may be withheld at the discretion of the residency director

Program Overview:

2-4 weeks of orientation/training/research (duration determined by the resident’s previous experience)

4 core rotations (ID Consult Service (twice), Critical Care, Hem/Onc – BMT or HIV) – 6 weeks long

Foundations in microbiology laboratory – 4 weeks long

Antibiotic surveillance – 2 weeks long (concentrated as ASP incorporated throughout the entire year)

3 - 1 month long electives (may repeat any)

2 weeks research time (including time provided during orientation)

Elective Rotations:

There will be a total of 18 rotations that the resident can choose their three electives from as the list below identifies, they will be patient care services that are either the primary team caring for the patient (e.g. Solid Organ Transplant) or a consultative service supporting the patient (e.g. Inpatient AIDS). The elective choices allow the resident the flexibility to tailor their PGY2 experience to an area of interest. The primary focus during these elective rotations would be the infectious diseases associated with these patient populations.

- Coronary Care Unit (CCU)
- Medical ICU
- Inpatient AIDS Service
- Ambulatory AIDS Service
- Neonatal ICU
- Nephrology
- Hematology/Oncology
- CT Surgery
- Bone Marrow Transplant
- Solid Organ Transplant
- Surgical ICU- Critical Care
- Burn ICU
- Pharmaceutical Industry
- Pediatric Infectious Diseases at Rady’s Children’s Hospital
- Infection Control / Epidemiology
- Inpatient Infectious Diseases practice at the San Diego Veterans Hospital
- Pharmacoeconomics / Health Economic
- Hepatology
**Longitudinal Clinic:**

In addition to the residents acute care experience, the residents will participate in a longitudinal clinic of their choice during their residency. This clinic involvement will be a ½ day per week and will give the resident a chance to view the outpatient management of patients on a long term basis. It is highly encouraged that the resident participates in the HIV/HCV co-infection clinic.

**Staffing:**

Staffing will be incorporated into the residency experience with weekend shifts that provide the opportunity for PGY2 residents at the UC San Diego Thornton hospital. The PGY2 resident will be invited to staff 16 weekends (which includes 1 minor holiday weekend PLUS 1 major holiday (Thanksgiving, Christmas, or New Year's)). The resident will get 13 paid days for holidays and 12 sick days for the academic year. Vacation time will be in accordance with GME rules and will be defined as 20 days of vacation PLUS 5 days for professional leave to attend meetings or conferences.

**Research Project:**

The resident will be responsible for conducting 1 research project throughout the academic year that will be completed and presented at the Western States Conference or an equivalent conference. If time allows, the resident will be involved with the initiation of a second project. This initiation phase will involve defining the study design, writing up the protocol and beginning the IRB approval phase. The purpose of starting a second project is to facilitate subsequent critical care residents who can then finish the projects that were started the previous year. A list of project ideas will be generated from the preceptors and resident is expected to select a project during the first month of the residency year.

**CQI Project:**

The residents will need to start and finish a Continuous Quality Improvement project during this academic year. The CQI topics will primarily be generated from the core preceptors and be strongly related to the infectious diseases population. A list of project ideas will be presented to the residents on August 1st. Selection of a topic will need to be finalized by the end of the second week after starting the residency.

**Publication:**

The resident will be required to write a manuscript suitable for publication by the end of their residency year. The purpose of this requirement will be the development of scientific writing and communication skills. The types of publishable literature can include any of the following types of manuscripts:

- Case reports with a review of the literature
- Primary research /original research
- Medication Use Evaluation
- Meta-analysis of a disease state or therapy
- Review article
Meetings:

The residents will have the opportunity to attend various professional meetings throughout the year. The annual travel stipend is variable based on funding. In the past, residents have received a set stipend for the year which they can use at their discretion for registration, travel, accommodations, etc. The cost of attending Western States (or an equivalent conference) will be deducted from the travel stipend, along with any other conferences the resident chooses to attend. Residents are encouraged to attend a specialty meeting (e.g. Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), or IDWeek (IDSA), or MAD-ID (Make a Difference in Infectious Diseases)). Attendance at Western States Conference (or an equivalent conference to present their research) is mandatory.

Presentations/Teaching:

The resident will have the opportunity to give many educational lectures to their colleagues throughout their residency year.

Grand Rounds: The resident will deliver a 1-hour CE lecture to the pharmacy staff regarding a controversial topic in infectious diseases.

Weekly Didactic Forums: In addition to the grand rounds, the resident will be required to research and deliver a 20-minute weekly to bi-monthly mini-lecture on various didactic topics throughout the year. These topics will be related to the ASHP supplemental standard for an Advanced Practice Residency in Infectious Diseases and will be relevant to the patient population they are currently involved with from a rotational perspective. These presentations will be given during pharmacy student/preceptor rounds or to the core clinical pharmacy staff.

Skagg’s School of Pharmacy and Pharmaceutical Sciences:

Involvement with UC San Diego’s School of Pharmacy will vary depending on the preceptor but it is anticipated that the resident will participate in the therapeutics case conferences as a conference leader typically in the fall quarter. There will also be an opportunity to provide didactic lecture(s) during the Winter and Spring quarters Medical Microbiology and Infectious Diseases Therapeutics course presenting formally, preparing the lecture syllabus and prepare exam questions. There is also an opportunity to participate as a course workshop facilitator covering cutting edge ID topics during the Winter and Spring quarters. Direct student precepting would occur while on rotation with UC San Diego pharmacy students jointly with the faculty.