Class of 2018- CAREER PLANNING
Post-Graduate Educational and Professional Opportunities

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Welcome to Post-Graduate Preparation
Post-Graduate Planning Objective

• To develop a timely, comprehensive, structured program in post-graduate planning for student pharmacists at UC San Diego Skaggs School of Pharmacy.
A Postgraduate Education Preparation Program, Meeting the Challenge in a Competitive World

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ABSTRACT

The Skaggs School of Pharmacy and Pharmaceutical Sciences (SSPPS) at the University of California, San Diego, recognized in 2012 that securing postgraduate pharmacy training became more challenging and competitive among well-qualified candidates.

Although accredited residency programs have continued to grow, they have become more competitive with increased numbers of Pharm.D. graduates and applicants for residencies. In 2007-2012, 1,900 candidates applied for 161 positions and by 2018, 5,655 candidates applied for 3612 positions.*

A gradual downward trend in the percentage of SSPPS applicants obtaining residencies/fellowships was observed from 2007 to 2012. Faculty responded by developing a focused postgraduate program, involving leaders in UC San Diego pharmacy residency and fellowship programs, as well as creating a website database.

The goal was to provide a timely, comprehensive, and structured program for students to prepare for postgraduate career and professional development. Prior to this program, presentations for career planning were available but not widely promoted or coordinated.

The new program provided an enhanced format which addressed students’ future planning. Initially, the programming primarily focused on a series of presentations for the P-4 class, although over the years it has added introductory presentations for underclassmen. The program is coordinated by a faculty advisor with P-4 class.

The program includes topics and activities related to residency/fellowship and career planning, such as the ONOCAS application process, fellowship programs, career tracks, curriculum vitae support, residency showcase panels and workshops, interviewing techniques, mock interviews, and preparing for the match and post-match process, and website resources.

Since the program inception, the percentage of UCSD SSPPS students entering residencies has returned to its highest levels. Student pharmacists have benefited from this structured program as they transition from their professional education to postgraduate training and professional opportunities.

*Data collection methods vary from year to year, so numbers cited here are actual as of the SSPPS program as of 2015. ONOCAS score in 2015 was significant compared to the overall national median.

OBJECTIVES

• To develop a timely, comprehensive, and structured program for students planning for P-4 postgraduate planning for student pharmacists at UC San Diego School of Pharmacy.
• To provide SSPPS students with support and resources to aid in their residency and fellowship pursuits.

PROGRAM DEVELOPMENT

1. Identified faculty, preceptors, and pharmacists from community organizations with residency preceptor experience.
2. Received support from student organizations and participation from current residents and fellows.
3. Established collection of current postgraduate training sites as a resource at the Biomedical Library.
4. Developed schedule for P-4 students with the support of the leadership.
5. Created website with schedule, presentations, web links, and key links.
6. Provided listing of UC San Diego alumni residency programs (non-competitive).
7. Initiated voluntary student program in early evening hours, after rotation for P-4 students.
8. Communicate updates regarding program scheduling via email from student leaders.
9. Invited interprofessional P-3 students to general overview program presentations.
10. Added introductory talk for P-2 and P-3 students in the fall of each year.

CONCLUSIONS

• The structured program used at UC San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences has been a successful means to disseminate postgraduate planning information to student pharmacists by providing guidance that coincides with real-world timelines and building residency and fellowship opportunities. This format has achieved the original program objectives.

• Since the inception of the program, UCSD SSPPS’s students have been increasingly successful in being accepted into residencies and fellowships in an environment of increasing competition.

• SSPPS’s program continues to evolve to ensure enhanced residency and fellowship opportunities. We encourage all schools of pharmacy to expand collaborations to increase the number of quality residency and fellowship programs.

ACKNOWLEDGEMENTS

We thank the UC San Diego Skaggs School of Pharmacy faculty, residency directors, and preceptors for their participation and presentations in the Post-Graduate Educational and Professional Residency Programs. We also thank Kim Cleary and Reuel Tocio for their support with this program.
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<tr>
<th>Year</th>
<th>Residency</th>
<th>Fellowship</th>
<th>Community Practice</th>
<th>Institutional Practice</th>
<th>Other (includes PharmD/PhD)</th>
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<td>3.4%</td>
<td>1.7%</td>
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<td>Yr 2015</td>
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<td>32.8%</td>
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<tr>
<td>Yr 2016</td>
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## UCSD SSPPS – Post-Graduate Activity
### Summary of Activity from 2006 thru 2016

<table>
<thead>
<tr>
<th>Class Year</th>
<th># in Class</th>
<th># Residency</th>
<th># Fellowship</th>
<th># Community Practice</th>
<th># Institutional Practice</th>
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<td>2</td>
<td>25</td>
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<tr>
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<tr>
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<td>23</td>
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<tr>
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<td>56</td>
<td>33</td>
<td>1</td>
<td>19</td>
<td>2</td>
<td>1</td>
</tr>
</tbody>
</table>

| Total      | 529        | 254         | 17           | 211                 | 28                      | 19      |

| %          | 48%        | 3%          | 40%          | 5%                  | 4%                      |

Numbers only include positions immediately filled in the year of graduation. Some students have elected to begin residencies and fellowships, a year following graduation.
Year-4 Students

- CA Board of Pharmacy Intern Hour Affidavit
- Ten Simple Rules for Getting Published

Experiential Education

- Experiential Education

Postgraduate Preparation

Program for Class of 2016

- Postgraduate Preparation Schedule
- Student Pharmacist Resource Guide
- Alumni Residency and Fellowship Programs

Presentations:
- General Overview of Post-graduate Education by Dr. Charles Daniels, 7/21/15
- Planning for Residencies by Dr. Kelly Lee, 7/21/15
- Curriculum Vitae Review by Dr. Sarah Lorentz, 9/3/15
- Fellowship Programs and Career Tracks by Dr. Joe Ma, 9/3/15
- The Residency Application Process and PhORCAS by Dr. Marcie Lepkowsky, 9/17/15
- Interview Pearls by Dr. Juan Toledo, 11/19/15
- Match Phase I and Phase II Scramble by Dr. Marcie Lepkowsky, 02/28/16

Program for Class of 2015

- Interview Pearls, Dr. Juan Toledo, 12/16/14
- Post Grad Education Program Schedule Class of 2015
- Student Pharmacist Resource Guide for the Class of 2015
- List of sites where our alumni have done residencies and fellowships
  (Students can contact Kim Ciero for alumni contact information to inquire about program.)
- Overview of Postgraduate Training, Dr. Charles Daniels, 7/22/14
- Roadmap to Residency and Fellowship, Dr. Kelly Lee, 7/22/14
- CV Reviews, 8/26/14
Student Pharmacist Preparation Guide of Resources for Post-Graduate Educational and Professional Opportunities

1. Presentations/Events at SSPPS (see schedule)

2. Why should I consider a post-graduate program?
   a. What is a residency?  
      http://www.youtube.com/watch?v=zfcmOjtPWSM

3. CV guidance
   a. UCSD SSPPS website
      i. Instructions:  
         http://pharmacy.ucsd.edu/current/docs/Student_CV_Instructions.pdf
      ii. Template:  
         http://pharmacy.ucsd.edu/current/docs/Student_Curriculum_Vitae_Template.pdf
      iii. Sample:  
         http://pharmacy.ucsd.edu/current/docs/Student_Curriculum_Vitae_Sample.pdf
   b. The Ohio State University-College of Pharmacy website
      i.  http://pharmacy.osu.edu/sites/default/files/forms/current-students/career-services/CSCVGuide%281%29.pdf

4. Career Guidance
   a. UCSD Career Service website:  http://career.ucsd.edu/
      i. Webcam mock interview
      ii. Write, Speak, Do Meet: Handbook Tools  
      iii. See calendar of presentations
   b. UCSF Office of Career and Professional Development website  
      http://careers.ucsf.edu/pharmacy-students

5. American Society of Health System Pharmacists (ASHP)
   a. Residency website:  https://www.ashp.org/Professional-Development/Residency-Information
   c. Midyear Clinical Meeting: National Showcases and residency related programming
      i. December 3-7, 2017, in Orlando, Florida  
         https://www.ashp.org/Meetings-and-Events/Meetings-and-Conferences/Midyear-Clinical-Meeting-and-Exhibition

6. California Society of Health System Pharmacists (CSHP)
   a. Seminar Meeting
      i. October 26-29, 2017, Las Vegas, NV (Paris Las Vegas Hotel)  
         http://www.csph.org/page/Seminar
   b. Career Center  
      http://www.csph.org/page/JobOpenings
7. **Research/Fellowship** *(not a comprehensive list of all fellowships available)*
   
a. UC San Diego & Millennium Health Post-doctoral Research Fellowship in Health Economics, Outcomes Research & Pharmacogenomics  
   http://pharmacy.ucsd.edu/research/fellowships/health-outcomes-pharmacogenomics.shtml  
   
b. UC San Diego HRSA Geriatrics Workforce Enhancement Program  
   http://gwep.cloud.ucsd.edu/home  
   
c. Rutgers Institute for Pharmaceutical Industry Fellowships  
   http://pharmafeelows.rutgers.edu/  
   
d. UCSD - Pfizer Clinical Oncology Fellowship  
   http://pharmacy.ucsd.edu/research/fellowships/pfizer_pham_ oncology.shtml  
   
e. St. John's University/Forest Research Institute Industrial Fellowship  
   
f. Novo Nordisk 2-year Multidisciplinary Fellowship  
   Contact: Sabrina Lo, Pharm.D.  
   
g. Novo Nordisk 1-year Medical Affairs Fellowship  
   Contact: Marni D. Lun, Pharm.D., MBA  

8. **Program Directories**
   
a. ACCP Directory of Residencies, Fellowships, and Graduate Programs  
   http://www.accp.com/resandfell/  
   
b. International Society for Pharmacoeconomics and Outcomes Research Directory  
   http://www.ispor.org/education/educationaldirectory_index.asp  

9. **Books Available on Reserve at the UCSD Biomedical Library**
   
a. ACCP Directory of Residencies, Fellowships and Graduate Programs  
   
b. ACCP Guide to Becoming a Standout Pharmacy Residency Candidate  
   
c. Get the Residency, ASHP Guide to Residency Interview and Preparation  
   
d. Getting Started in a Pharmacy Residency, APhA  
   
e. Securing and Excelling in a Pharmacy Residency  
   
f. Roadmap to Postgraduate Training in Pharmacy  
   
g. Letters from Rising Pharmacy Stars: Advice on Creating and Advancing Your Career  

10. **Journal References**
   
   
b. *Strategies for successfully navigating the pharmacy residency interview process* by Sarah L. Anderson, Pharm.D., BCRS  
   
   
d. *Characteristics of the ideal postgraduate year 1 pharmacy practice residency candidate: a survey of residency program directors* by AL Kohlie, DB Ray, SY El-Ibiary, and JP Barletta  
Post-Graduate Education Planning Resources

• Books available on reserve at the UCSD Biomedical Library:
  • Letters from Rising Pharmacy Stars: Advice on Creating and Advancing Your Career in a Changing Profession
  • ACCP Guide to Becoming a Standout Pharmacy Residency Candidate
  • Get the Residency, ASHP Guide to Residency Interview and Preparation
  • Getting Started in a Pharmacy Residency
  • Securing and Excelling in a Pharmacy Residency
  • Roadmap to Postgraduate Training in Pharmacy
  • From Student to Pharmacist: Making The Transition
  • The Pharmacy Professional’s Guide to Resumes, CVs, & Interviewing
“Keep your eyes on the stars, and your feet on the ground.”
– Theodore Roosevelt
Any questions?

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858-822-5574
Post-Graduate Education Series

- **General Overview of Post-graduate Education** - Dr. Charles Daniels
- **Planning for Residencies** - Dr. Kelly Lee
- **Fellowship Programs and Career Tracks** - Dr. Joe Ma
- **Panel of Former Fellows** - Dr. Joe Ma (facilitator)
- **CV Overview** - Dr. Sarah Lorentz
- **Building a Career in Community Pharmacy Practice** - Dr. Isabel Perlas-Buckton
- **Perspective From a Pharmacy Recruiter: Mapping Your Career Path** - Lori Wallace
- **The Residency Application Process** - Dr. Felix Yam
- **Introduction to PhORCAS** - Dr. Marcie Lepkowsky
- **Residency Showcase/Resident Q&A Panel/Workshops**
  - This event is co-sponsored by SSPPS CSHP-UCSD Professional Affairs Committee
- **CV Review/CV Fest** - Drs. Sarah Lorentz and Sarah McBane
  - This event is co-sponsored by SDCPhA
- **The Interviewing Process** - Dr. Juan Toledo
- **Mock Interviews** - planned by Dr. Juan Toledo at SSPPS and UCSD Medical Centers
- **Interviewing Tips** - Dr. Brad Colwell
- **Preparing for Match and Scramble Process** - Dr. Marcie Lepkowsky
  - This event is sponsored CSHP-UCSD Professional Affairs Committee
- **Life at the end of the Yellow Brick Road** - Dr. Colbert
Post-Graduate Education Series Overview

1. Identified faculty, preceptors, and pharmacists from community organizations with residency preceptor experience

2. Received support from student organizations and outreach from current residents and fellows

3. Established collection of current post-graduate planning books on reserve at Biomedical Library

4. Developed schedule for P-4 students with the support of class leaders

5. Created program website with calendar, PowerPoints, resources, and residency sites of alumni

6. Provided voluntary student program in early evening hours, after rotation for P-4 students

7. Communicated updates regarding program scheduling via emails from student leaders

8. Invited interested P-3 students to general overview program presentations

9. Added introductory talk for P-2 and P-3 students in the fall of each year