Residency 101: Roadmap to Postgraduate Training

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PGY2 Infectious Diseases Pharmacy Residency Director

Palmetto Health Richland-USC



12 71 IS

Residency Program

- PHR: 650 bed tertiary care level 1 trauma center
- ~150 bed Children's Hospital
- <u>5 PGY1 positions</u>
- 2 PGY1 AmCare
 PGY2s in Peds, CC an
- Infectious Diseases
- ID Clinical Fellowship
- University of South Carolina COP

USC Faculty are director or coordinator of all PGY2 program

Residency vs Fellowship

Residency

- Organized, directed, postgraduate training in a defined area of <u>pharmacy practice</u>
- Provides knowledge, experience & skills
- Licensed pharmacist/paid
 position
- Relies upon active learning
- Typically 1 year (PGY1) with option to specialize (PGY2)

www.ashp.org & www.accp.cor

<u>Fellowship</u>

- Directed, highly individualized,
- postgraduate program
 Designed to prepare the fellow to become an independent <u>researcher</u>
- Usually 2-3 years in length (may be done after PGY1)
- Licensed pharmacist/paid position
- Traditionally < direct patient care

Post-Graduate Opportunities

▶ <u>Residency</u>

- PGY1
 - Focused area: Ambulatory care
- Community
- Administration/Management (1 or 2-yr)
- Others: e.g. 2-year pharmacotherapy
- PGY2 (specialty area)

Fellowship

- ~15-20 traditional positions (eg ID, PK, Cardiology)
- Industry fellowships
- Fewer clinical fellowship (mix patient care/research)

PGY2 (Specialty) Residencies

- Ambulatory Care
- Cardiology
- Critical Care
- Drug Information
- Geriatrics
- Health System
 Pharmacy
 Administration
- Infectious Diseases
- Informatics

- Internal Medicine
- Managed Care Pharmacy Systems
- Medication-Use SafetyNuclear Pharmacy
- Nutrition Support
- Oncology
- Pediatrics
- Pharmacotherapy
- Psychiatry
- Solid Organ Transplant

Common Career Paths

<u>Residency</u>

- Clinical Practitioner
- Faculty
 - Part-time/Full-timeNon-tenure track/tenure
 - track
- Pharmaceutical Industry

<u>Fellowship</u>

- ▶ Researcher
- Faculty
 Full time
 - Tenure track
- Pharmaceutical Industry

2018 🛚	lational	Match	Statistics
Category	PGY1	PGY2	Total
Applicants enrolled in match	6,637	1,160	7,797
Applicants participating in match	5,560 (~250 no interviews)ª	973	6,533
Resident Positions	3,662	790	4,452
Applicants successfully matched	3,635 (65%) ^a 60% match rate counting apps with no interviews	741	4,376
Average rankings per applicant (2017)	4.1	3.2	4.0
Match by Applicant's Rank (2017)	81% of matched got 1 st or 2 nd choice	85%	83%
Available at: h	Accessed	4 April 2018. com/ashormp/stat	s/2018applstats1 html

First important question Is residency/fellowship training right for me?

So why do people choose to do a residency...

- ► Moving from competent to proficient
 - Advance knowledge, clinical, communication and research skillset
- ► Confidence
- ► To be competitive in job market
 - AKA for my career goals
- Job flexibility/security in future
- ► And more...

So why do people choose to specialize... YOU DO NOT need to know this answer now.

- **Pro Specialization**
- Enhanced knowledge and skillset (research,
- ▶ Unique niche/specialty
- ► Job flexibility/security Eg. Academia, MSL, etc
- Ascend job chain quickly
- Enhanced job satisfaction

Con Specialization

- Extra year (or 2) = missed revenue
- ▶ Job <u>in</u>flexibility
- "Over" qualified for jobs ► Limited selection of jobs
- (per capita)
- ▶ "Only needed for academia or teaching hospital"

Resources

- American Society of Health-System Pharma

 - www.ashp.org
 Residency Information
- American College of Clinical Pharmacy

 - www.accp.com Career Development Resources
 - CV Reivew
- American Pharmacists Association

 - Community Pharmacy Residency Programs

	ylut	August	September
	Obtain pharmacist license if not already licensed Hospital orientation and outpatient pharmacy training Finalize rotation schedule Choose topics for MUE and research project	Service: Family Medicine (inpatient) Research project" and Mult ^{®*} Mede twith mentors Initiate IBB application "Initiate IBB application "IBB application "Initiate IBB application "I	Service: Internal Medicine Clinic Data collection for MUE Submit abstract for national pharmacy conference
-	October	November	December
	Service: Heart Failure Clinic Submit research project for IRB review o Submit grant application Participate in community flu shot clinic	 Service: Physician Practices Give grand rounds presentation – new diabetes thrappies Give presentation (Case 2: LVAD Pump Thrombosis) Implement service for research project (prospective project) 	Attend national pharmacy conference Poster presentation Represent residency program at Midyear Showcase Work on upcoming presentations/projects Interview for open positions for post- residency jobs
	January	February	March
•		Service: Administration	 Service: HIV/HepC/ID Clinic
	(Inpatient)	 Assist with PGY1 interviews 	 Give presentation for pharmacy technicians – transitions of care
•	Work with pharmacy students to adapt MUE to new student research project	 Submit research abstract for meetings (April) 	transitions of care Give college of pharmacy lecture on hospice medications (geriatrics elective) Give presentation (Case 1: Resistant HIV)
	April	May	June
	Service: Physician Practices o Precept pharmacy students Attend state and regional conferences (2) o Poster presentations o Platform presentations	Service: Family Medicine Clinic o Precept pharmacy students Complete teaching certificate requirements Implement MUE recommendations Residency program site visit to outside institution	Service: Pediatric Hematology/Oncology Clinic Submit portfolio for teaching certificate Finalize PGV1 residency requirements/objectives

Staffing: outpatient pharmacy 1 weekday/week and every 4th weekend
 Weekly leadership and practice management meetings





Timeline of Residency Prep

		pharmacy school to December of your preparing your candidate packet
	Year in School	Considerations for Residency Prep
	P1	Join student organization(s) & gain confidence in being active Attend guest speakers (network) Learn & observe from P2-P4 Gain pharmacy experience
A Mark		

General Timeline

P4 year

- August Dec. Decision on if & where to apply
- Sept early Nov. Letters of recommendation; local showcases if available
- December Attend ASHP MCM; Narrow program list to apply post-midyear; request transcripts
- Late Dec. January Applications (through online process PhORCAS)
- Late January Late February On-site interviews
- March Match due & match process
- April second Phase of Match/scramble

Is evidence based medicine important to you?

32 yo man with methicillin-susceptible Staphylococcus aureus bacteremia. No allergies, no significant co-morbidities. He's your loved one...what do you want to give him?

- A. Vancomycin
- B. Cefazolin
- C. Daptomycin
- D. Pipercillin/tazobactam





Evidence Based Approach to Residency Prep

RESEARCH

Student Characteristics Associated with Successful Matching to a PGY1 Residency Program

Jennifer Ann Phillips, PharmD^{a,b}, Milena M. McLaughlin, PharmD, MSc^{a,c}, Christina Rose, PharmD^d, Jason C. Gallagher, PharmD⁴, Jacob P. Gettig, PharmD, MPH⁴, Nathaniel J. Rhodes, PharmD, MSc^{a,c}

Assessment of mentor involvement with pharmacy students pursuing post-graduate residency training [⊕]

Drayton A. Hammond, PharmD, MBA, BCPS^{a,*}, Sandra S. Garner, PharmD, BCPS^b, Marley A. Linder, PharmD^e, William B. Cousins, MS, PhD^d, P. Brandon Bookstaver, PharmD, BCPS (AQ-ID), AAHIVP^e

Comparing pharmacy practice faculty perceptions of firstyear post-graduate residency (PGY1) selection criteria to those reported by PGY1 residency directors

Elizabeth W. Blake, PharmDE Contract Dariel Friesner, PhD, Jacob P. Gettig, PharmD, Emily Hajjar, PharmD, Emer J. Gentry, PhD, Jonathan M. Kline, PharmD

What do RPDs & others say is "valued"

- ► <u>Classic things:</u> GPA, experience, leadership
- Research (technically ranked lower by RPDs than faculty) --- so why can it be so valuable?
- ► Soft skills
- Prior relationship or interactions with them

Resourceful How do you OBJECTIVELY portray these? FIExible Steady How can you Integrity e for a Dependable Empathy KNows limits CreaTive

RPDs care about your prior interactions with them (quantitatively & qualitatively)









Methods to look like a clone (aka things you don't want to do)

- Generic questions at a showcase
 "What's a typical day like"
- Using a templated CV or more likely a templated LOI (aka cover letter)
 - One you all received in class or one you all received at ASHP midyear
- Trying to blend in with the group on interview if no one is introducing/shaking hands, you fall right in

Where you might not want to "stand" out too much?

- Residency showcase
- Professional meeting
- Danger is often overstaying your welcome or "standing out" for the wrong reasons

[Insert CV Header]	
December 23, 3016	
John R. Yates, <u>Pharm D.</u> BCPS University of Tennessee Medical Center 1924 Alcoa Highway Knoxville, TN 37920	
Dear Dr. Yates,	
institution and would be honored to be a part of such an incredible program. Thank you for considering my application for the PGY1 pharmacy practice residency position.	k
Sincerely,	
P. Bl BG2	
Student name, PharmD Candidate 2017	
South Carolina College of Pharmacy-University of South Carolina Campus	24

Look for a good mentor

- > The role of a mentor is to facilitate, guide, advise and counsel
- > A mentor shapes the way goals are achieved to plan for career development
- > A mentor is concerned with supporting an advisee
- **I can't stress this enough**

Evidence Based Approach to **Residency Prep**

American Journal of Pharmaceutical Education 2018; 82 (4) Article 6246.

RESEARCH

Outcomes of Student-Driven, Faculty-Mentored Research and Impact on Postgraduate Training and Career Selection Kyle W. Osborne, PharmD,^a Kelsey M. Woods, PharmD,^b Whitney D. Maxwell, PharmD, MBA,^c Karen McGee, PharmD,^c P. Brandon Bookstaver, PharmD^c

Research predictive of successful match PGY1 & PGY2 (why if research not valued by RPDs??) LETTERS

Financial costs of pursuing postgraduate residency training v 80% of stud PGRT with

individuals participated in the g Program (i.e., the "Match").1 han s. expenditure costs of pr





	Additio	onal Preparation
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2015 - present	South Caroline Pharmadet Literese 400115	e) + Ce

How to narrow down from SO many programs?





Ask Yourself

(It's ok NOT to know all these answers now)

- > What type of position do I ultimately want?
- Where do you see yourself in 5, 10...even 15 years?
- Do I want to engage in teaching? If so, what kind?
- > Would I thrive in an environment where research/scholarship are encouraged?
- Is direct patient care my passion? What level? Or do I prefer more administrative roles with less patient interaction?

Characteristic	Where Can I Find it?	How Impt is this Characteristic to Me (1=low, 5=high)	Example: University Medical Center	Example: Regional Medical Center
Туре	Web site	5	Academic	Community Hosp.
Institution size	Director/Web site	3	500 beds/avg 350	800 beds/ avg 650
Location	Directory	3	Urban	Local
Complexity/ diversity of pt. pop	Web site, showcase	5	+++	++
Scope of services	Website	2	+++	++
Automation	Showcase	2	+	+++
Advanced EHR	Showcase	3	+++	++
CDSS	Showcase	3	++	++
Accredited	Directory	5	Yes	Yes
Affiliation w/ COP	Web site/Showcase	4	+++	+



Characteristic	Where Can I Find it?	How Impt is this Characteristic to Me (1=low, 5=high)	Example: University Medical Center	Example: Regional Medical Center
Program Size #PGY1 #PGY1+PGY2	Website/ Directory	3 3	10 14	5 6
Availability of PGY2 specialties In general Interest	Directory/ Website	4 4	Yes (Peds, CC, Hem/Onc) No	Yes (ID) Yes (ID)
Preceptor qualifications	Website/ Showcase	5	++	++
Preceptor: resident ratio	Website/ Showcase	2	++	+++
Rotations in area of interest	Website/ Showcase	5	+++	+++
On-call program	Website/ Showcase	3	++	++



Additional Considerations

- What have their past residents gone on to do? --- does it match what YOU might want to do
- What types of projects are they doing? How does this process work?
- ► Resident demeanor

Final fit

- The interview will tell you a lot for both program and candidate
 - <u>Caution</u>: One "bad" interview of the whole day does not define a bad program or candidate
- ► Gut check, trust your planning and instincts



First things first

- Have you spoken to your mentors and LOR writers about your interview results?
- Thank those folks when this is all over, we care about your success

How do I prepare?

> Assumption: Invitation to the interview has been extended, you have accepted and a date and time is scheduled

- Step 1: Verify your travel plan
 - Lodging
 - How will you get there?
 - Plan to arrive early (schedule)



PLANES TRAINS AND ALTOMOBILES



Quick aside...the phone screening interview

▶ Wait, programs will screen me using a phone or "Facetime" interview? --- YES!

- - These include the "canned" questions
- - 1) Quiet place with good reception
 - 2) Make sure you acknowledge everyone on call, get their name correct and use it if you can when responding. *Write it down*

 - 3) Have your CV on you, but not a time to "flip through the pages" but this is common preparation

What does arriving early mean?

- Assumption: new place and new city for you the candidate
- Arrive early enough to get your hotel room and identify the interview site
- Time permitting (highly recommended) visit the actual site of the interview, so there is no confusion on parking or directions the morning of

Other personal preparation

- SWOT analysis (2-3 of each)
 - Strengths, weaknesses, opportunities and threats
 - Include areas you exceed and opportunities to improve
- Conflict resolution
 - Example prepared from rotation
- Demonstration of communication skills
 Example prepared
- Success story in patient care
 Example prepared
- Curriculum vitae (bring copies!!)

Preparing for questions

- Preparation of canned questions is important especially for a nervous interviewer
 Doesn't have to be painful!!
- Careful to not sound too "rehearsed"
 - You can know your answer and exude confidence, without sounding like you practiced it 7 times in the mirror that morning
- Sample questions these are taken from actual residency interviews

Knowing the program

- Know the institution and departments mission and vision
 - Have your <u>own goals</u> established (short-term & long-term)
- Know your interviewers
 - Seek out advisement from folks who may know the program or folks you will interview with
 - Perhaps a quick PubMed and/or Google Scholar search for recent publications

Do I have to do a presentation?

- Goes back to knowing the program and interview itinerary
- Presentation?
 - Typically "no" for PGY1 interview almost always YES for PGY2
 - If presentation on PGY1, often ~5 minutes (eg about you or case discussion)
- Atypical "hands-on" possibilities
 - Provided a case, must go over the case with a group or single interviewer
 - Case may be provided prior to or during the interview
 - Skills assessment exam

One last time...

- ► Verify the interview schedule
- Know your times and locations
- ► Know the flow of the day
- ▶ Plan accordingly!!

What occurs during the interview?

- Interview day
 - Typically an average of a 6-hour day
 - Draining but stay positive and engaging
 - Remember, they've been conducting these same interviews for perhaps 15-20 other people by now
 - Engaging at what may seem like "down-time" is important
 - Tours, lunch are good examples
 - Interview structure
 Group versus individual interviews
 - Likely will be multiple candidates on same day interviews will be individual (95% of the time); lunch/tour typically together

Mock Agenda for Interview

Candidate: Brandon Bookstaver

- ▶ 9:00 9:30: Welcome w/ residency director
- ▶ 9:30 10:00: John Bosso, PharmD
- ▶ 10:00 10:30: Rounding experience
- 10:30 11:30: Preceptor group Interview #1
- ▶ 11:30 12:00: Tour w/ residents
- ▶ 12:00 1:00: Lunch w/ residents
- ▶ 1:00 1:30: Preceptor group Interview #2
- ► 1:30 2:00: Clinical assessment
- ► 2:00 2:30: Director of Pharmacy
- > 2:30 3:00: Wrap-up with residency director

Structure - group vs. individual

- Group (ex: 1-hour session; 2 sessions per day)
 - Several preceptors/administrators/residents participate in a group interview
 - Questions coming from anyone in the group
 - Who do I answer back to?
 - Important to maintain eye contact, but don't only engage the person who asked the question, but they should get more attention than the others
 - Expect the same "type" of questions asked with different words
 - Strategy used to gauge your personality strength, do you stick to your guns

Structure - group vs. individual

- Individual (ex: 2-5 individuals, 30 minute sessions)
 - Key preceptors or clinical coordinators at the institution (excludes RPD and DOP)
 - Focused one-on-one interviews, typically in the practitioner's office
 - May be mixed with group interviews
 - Gives you a lot of time to ask specific questions about one's practice area, rotation, their view

Types of Questions

- Some questions will catch you off guard
 - Simply quickly pause, gather yourself and answer
 - Too long of pauses will make the interviewer feel you are unprepared
 - Rambling is not the correct approach when you are not comfortable with or one that you do not know
- Most questions are behavioral and open-ended, not clinical in nature

Behavioral Interview

- Attempt to discover how applicants acted in specific situations
- > Past behavior predicts future behavior
- Better predictive value?

Behavioral Interview

- Organization determines key competencies or behaviors for successful outcomes
 - Decision Making
 - Team work
 - Initiative
 - Flexibility
 - Time management
 - Communication

Behavioral Interview

- >Questions will be more probing and specific
- Will be attempting to address key skills, competencies and behaviors identified
- > Anticipate detailed follow up questions

Behavioral Interview

► Team Work (example)

 Describe a situation when you worked with a person whose personality was the opposite of yours. How did you deal with it?

Behavioral Interview

- Decision Making (example)
 - "Give me an example of a time you had to make a difficult decision."

Behavioral Interview

- Time management (example)
 - "Tell me about an instance when you were particularly effective on completing a major project on time"
 - "Tell me about a time you failed to meet a deadline and what did you do about it?"

Behavioral Interview

► How to prepare

- Refresh your memory of unique rotation/non rotation experiences
 - Active participation
 - Difficult situations
 - ► Favorable/unfavorable outcomes
 - ► Group activities
 - ► Special projects/assignments

Behavioral Interview

- Remember to do the following:
 - Describe situation you were in or the task you were assigned
 - Describe the action you took
 - Describe the results
- Be prepared to tell a "story"

Behavioral Interview

- Listen carefully to the questions asked
- ► There is no "right" answer

The Bad

- Not knowing (or being able to talk about) things on your CV
 - Rotations, presentations, leadership positions, community service
- "I love this city" for why you selected a program
- Interrupting the speaker
- Poor body language
 Vague or "canned" answers about your interest
 Avoid "yes" and "no" responses
- Bottom line: prepare, prepare, prepare

The Ugly

- Believe it or not...
 - Falling asleep during interview process
 - Making overly critical comments about professors/advisors or a type of pharmacy practice
 - Wearing inappropriate attire (too tight, short, wrinkled, you name it!)
 - Forgetting that impressions count for everyone you interact with

Out of bounds??

- > Questions regarding race, age, sex...are not permitted
 - All interviewers have received training on appropriate questions
 - Questions or discussion about where you or they will rank each other are NOT permitted, no exceptions!
- Borderline "What other programs are you interviewing at?"
 - Discouraged, but my approach is to suggest you are interviewing either A) several programs all over the country, just keeping options open; or B) several other local programs, just keeping options open

Other portions of the interview

▶ Tour

- Use this time to ask questions to the residents about general things you see, would like to see
 If you claim pediatrics as an interest, and don't ask about the children's hospital...well, maybe you weren't engaged on the tour

Lunch

- Interviewing is still going on
- Questions here are key get the residents point of view
- Careful not to dominate, but participate
 Managed up compliment question, and build off of it
 You may not be alone on your interview be the first to get to know your fellow candidates; great way to show your collegiality

Additional things that may show up on interview

- ▶ Pre-interview dinner
 - Some programs will offer a dinner the night before (if you choose to go, remember it will be relaxed, but still an "interview")
- Participation in rounds
- Case or exam provided; feedback requested
- ▶ End of the day wrap-up
- "What did you learn today about our program?"

Post-Interview

- ▶ Go see the city if you have not had a chance
- Invitations to go "hang out"
- Personally, I would decline, unless special circumstance
- Thank you's
 - Email thank you's probably appropriate for residents
 - Hand-written thank you's for RPD and preceptors
 One hand-written for the group, addressed to RPD with statement to pass along thanks to preceptors, would be good enough
 - Individual emails to others who you had more intimate contac with

Post-Interview

- Don't forget to make notes about the program or reflect on your interview
- Reflection: One 30-minute interview went bad, I'm doomed!
 - Never judge a program by 1 person or 1 interview, even if you think the person is tough or "odd"
 - These folks will be everywhere and just because you didn't meet them on your interview, it's a safe assumption...now 3 or 4 interviews, well...different story
)

Some other common questions... (in addition to the canned questions)

- Provide an example of how you handled conflict resolution on a rotation.
- What characteristics make up your favorite preceptor to date?
- What's your proudest professional accomplishment to date?
- What are you looking for in a residency preceptor, residency director ideally?
- > What would "blank" say about you on your letter of rec?
- Who are the cheerleaders in your life?

Summary Hints

- Get to your location and identify where to park and where you are arriving
- Be the first to introduce yourself and acknowledge other candidates
- Smile! Firm handshake
- Listen, and ask a question that comes up during discussion – this makes it a conversation vs. an interview
- <u>Please prepare</u> canned questions are obvious and you should know your answer! The program/preceptor information

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PGY2 Infectious Diseases Pharmacy Residency Director