ABOUT OUR COMPANY

Allergan PLC (NYSE: AGN), headquartered in Dublin, Ireland, is a global pharmaceutical leader focused on developing, manufacturing and commercializing branded pharmaceutical, device, biologic, surgical and regenerative medicine products for patients around the world.

Allergan markets a portfolio of leading brands and best-in-class products primarily focused on four key therapeutic areas including medical aesthetics, eye care, central nervous system and gastroenterology. As part of its approach to delivering innovation for better patient care, Allergan has built one of the broadest pharmaceutical and device research and development pipelines in the industry.

With colleagues and commercial operations located in approximately 100 countries, Allergan is committed to working with physicians, healthcare providers and patients to deliver innovative and meaningful treatments that help people around the world live longer, healthier lives every day.

For more information, visit Allergan’s website at www.Allergan.com.

ABOUT OUR SCHOOL

The USC School of Pharmacy is the only private pharmacy school on a major health sciences campus, which includes the Keck School of Medicine, Keck Hospital of USC and the USC Norris Comprehensive Cancer Center and is immediately adjacent to the LAC+USC Medical Center, one of the largest public hospitals in the country. Ranked by US News and World Report as a top ten pharmacy school nationwide and #1 among private schools, the USC School of Pharmacy is recognized for its century-old reputation for innovation in pharmaceutical education, clinical practice, and research. The School uniquely spans the entire spectrum of pharmaceutical development and clinical care – from drug discovery to regulatory approaches that promote safety and innovation, from delivery of patient care services to evaluating the impact of care on patient outcomes and costs. With a history of “firsts” that includes the nation’s first Pharm.D. program (1950), first clinical clerkship program (1968), first Ph.D. in pharmaceutical economics (1990), and first professional doctorate in regulatory science (2008), the school holds an essential leadership role in the safe, efficient, and optimal use of medication therapy that can save lives and improve the human condition.
The USC-Allergan Pharmaceutical Industry Fellowship Program is designed to prepare postdoctoral scholars for rewarding careers in the pharmaceutical industry. Fellows work with mentors to participate in activities that enhance the skills required to excel in their field. Graduate-level coursework and seminars may be included in the program, in addition to hands-on project activities in Allergan teams.

Upon completion of the program, fellows will be prepared for the challenges of a career in the pharmaceutical industry. Past fellows have been placed into rewarding positions in industry, pharmacy practice, and research. USC Pharmacy’s fellowship programs adhere to the guidelines of the American Association of Colleges of Pharmacy and the American College of Clinical Pharmacy. All fellowships begin July 1 and end on June 30.

**KEY HIGHLIGHTS**

- Access to USC Regulatory Science courses and tuition remission, up to 4 units per semester towards a graduate certificate
- Networking with USC students and alumni
- Participating in professional leadership workshops
- Financial relocation assistance for out-of-state fellows
- Financial support to attend professional conferences and events
- Delivering lectures to pharmacy students
- Recruiting prospective graduate and professional students to the Fellowship Program
CURRENT FELLOWS

Allergan partners with the University of Southern California School of Pharmacy to give you a distinctive fellowship advantage- a unique environment that develops your skills and fast-tracks your career.

PICTURED FROM LEFT TO RIGHT:

Amir Assadieskandar, Pharm.D., Ph.D.
Small Molecule Pharmaceutical Development Fellow
University of Southern California

Valentina Vozella, Ph.D.
CNS Research Pharmacology Fellow
University of Genova - Italy

Alex Crowe, Ph.D.
Clinical Pharmacology Fellow
University of Oklahoma Health Sciences Center

Dane Osmond, Pharm.D.
Medical Aesthetics Clinical Development Fellow
Keck Graduate Institute

Alissa Lee, Pharm.D.
Global Regulatory Affairs Fellow
University of Illinois at Chicago

Juan Velasquez, Ph.D.
Medical Affairs, Global Medical Communications Fellow
University of Southern California

Thu Nguyen, Pharm.D.
CNS Clinical Development Fellow
Roseman University of Health Sciences

Taylor Ota, Pharm.D.
Medical Affairs, Global Phase IV Fellow
University of Colorado

Ajmeeta Sangtani, Ph.D.
Medical Aesthetics Research Pharmacology Fellow
University of Maryland- College Park

Ramana Vaka, Ph.D.
Clinical Pharmacology Fellow
University of Mississippi Medical Center

Precious Cagungun, Pharm.D., M.S.
Medical Affairs, Global Medical Scientific Information Fellow
University of Southern California

Alice Blaj, Pharm.D.
Ophthalmology Clinical Development Fellow
University of California San Diego

Harsha Sayala, Pharm.D.
Global Regulatory Affairs Fellow
University of Michigan

Hedieh Saffari, Ph.D.
Drug Delivery Sciences Fellow
University of Utah
This one-year Clinical Development fellowship provides an immersive introduction to clinical research in global drug development. As an active member of multiple clinical teams, the fellow will develop an understanding of the principles and challenges in developing novel therapeutics, while operating within GCP, ICH, and other agency guidelines. Under mentored guidance, the fellow will gain broad exposure to many interdisciplinary functional areas, while individualized objectives will tailor their involvement to projects of particular interest.

OBJECTIVES

• Develop expertise in novel therapeutics and their clinical applications
• Support the execution of the clinical development plan, regulatory submissions and development of associated clinical trial documents (e.g. protocols, investigator brochures, procedure manuals, informed consent forms, and clinical study reports)
• Learn operational aspects of clinical trial design from startup, through execution, and closeout
• Participate in processes of ongoing data review, analysis, and reporting
• Prepare and present clinical data at internal team meetings as needed
• Contribute to the timely performance of clinical trials by collaborating in a cross-functional team setting

APPLICATION REQUIREMENTS

• Pharm.D., Ph.D., or M.D. degree from an accredited university or equivalent
• Completion of pharmaceutical industry rotation, internship, or previous exposure to clinical research is desirable
• Excellent oral and written communication skills, ethics, professionalism, leadership, and an interest in the biopharmaceutical industry
The one-year Small Molecule Product Development fellowship focuses on the design and evaluation of novel oral, ophthalmic, and dermal formulations. As part of the training program, the fellow will be provided opportunities to gain first-hand experience with the different functional areas of the Small Molecule Product Development organization. This fellowship program is intended to give postdoctoral research training to support the fellow’s professional and career growth.

OBJECTIVES
• Design and evaluate novel oral, ophthalmic, and dermal formulations
• Evaluate the effect of excipients and processing parameters on quality and performance
• Investigate new formulation platform technologies
• Expand technical writing skills by developing, reviewing, and writing protocols and technical reports

APPLICATION REQUIREMENTS
• Ph.D. in pharmaceutical chemistry, pharmaceutical sciences, biomedical engineering, chemical engineering, materials science, polymer science and engineering, physical chemistry, or a similar field
• In-depth understanding of basic science principles, physical chemistry and material properties
• Excellent oral and written communication skills, ethics, professionalism, leadership, and an interest in the biopharmaceutical industry
Core Allergan therapeutic areas, such as Eye Care and Medical Aesthetics & Dermatology, are highly reliant on local delivery of drugs to enable the desired therapeutic effect. Allergan’s Drug Delivery Sciences Department, part of Pharmaceutical Development, has established industry-leading drug delivery capabilities (e.g., bio-erodible sustained release) to support a diverse portfolio of small molecule and biologic drug products. The one-year Drug Delivery Sciences fellowship focuses on the design and development of new drug delivery systems and related capabilities including new technologies and novel adaptations of existing systems. This fellowship is intended to give postdoctoral researchers exposure to conducting R&D in the pharmaceutical industry, while advancing the fellow’s own scientific and professional growth. The fellow will also have the opportunity to collaborate with colleagues in other departments and disciplines within R&D.

**OBJECTIVES**

- Contribute to the advancement of Allergan’s science in one or more areas of sustained or targeted drug delivery.
- Collaborate with other scientists, both within and outside the department, to design and evaluate drug delivery systems and enable new products that address unmet medical need.

**APPLICATION REQUIREMENTS**

- Ph.D. in chemical engineering, biomedical engineering, materials science, polymer chemistry, colloidal chemistry, physical chemistry, pharmaceutical chemistry or a similar field.
- Subject matter expertise in areas such as an in-depth understanding of basic science principles, drug delivery, formulation, physical chemistry and material science properties. Knowledge and experience in cell biology or biochemistry is also desirable.
- Excellent oral and written communication skills, ethics, professionalism, and an interest in the biopharmaceutical industry.
The one-year Global Regulatory Affairs-Chemistry, Manufacturing, and Controls (GRA-CMC) Fellowship provides fellows with an overview of RA-CMC responsibilities including exposure to regulatory CMC strategy required to achieve health authority approvals. The fellow will have hands-on experience constructing global regulatory submission documents from the initial stages of document preparation to final submission. The fellow becomes a key component of the Core Team and shares the responsibility for facilitating timely submission and publishing of these documents to regulatory agencies across the globe. In addition, the fellow has the unique networking opportunity to manage several projects inside and outside of GRA as part of a comprehensive training program.

OBJECTIVES
• Assemble and manage regulatory documents in electronic Common Technical Document (eCTD) format that meet regulatory standards
• Review and discuss analytical method development, validation, and implementation with CMC team leaders and analytical scientists

APPLICATION REQUIREMENTS
• Pharm.D., Ph.D., or DRSc from an accredited university or equivalent
• Completion of M.S. in Regulatory Science, pharmacy industry-track courses and/or industry internship desirable
• Excellent oral and written communication skills, ethics, professionalism, leadership, and an interest in the biopharmaceutical industry are required for all fellowship positions
The one-year Medical Affairs fellowship focuses on providing exposure to one of the following three pillars of functionality: Global Phase IV Trials, Global Medical Scientific Information, or Global Medical Communications. During the interview process, the fellowship candidates will select a specialty they prefer within the three pillars. The fellow will then be able to develop first-hand experiences in management of post-marketing clinical research, medical information database operations, medical promotional review, or global strategic publication planning. This program will provide the fellows the necessary tools to become successful professionals within the pharmaceutical industry, as well as the opportunity to network with a lasting legacy of Allergan-alumni-fellows.

OBJECTIVES

• Establish and maintain collaborative relationships with Medical Directors, Medical Science Liaisons, Key Opinion Leaders (KOLs), Health Economics and Outcomes Research, Marketing, and Principle Investigators

• Global Phase IV: Interact with all Allergan therapeutic areas and geographies to support new and ongoing post marketing clinical research, provide transparency to trial status to key stakeholders, and oversee financial standings for Phase IV, IIT, HEOR, and Epidemiology studies.

• Global Medical Scientific Information: Develop scientifically-balanced global response letters to address unsolicited medical inquiries, provide medical review of promotional materials, and provide scientific support to Medical and Commercial initiatives through insights identified from medical inquiries

• Global Medical Communications: Partner with internal and external global stakeholders to develop a research-based strategic publication plan to maximize the reach and impact of Allergan’s science through publications. Manage a cross-functional team and a vendor to execute the scientific communication plan for a therapeutic area. Lead research projects that help Allergan better understand the impact of scientific communications

APPLICATION REQUIREMENTS

• Pharm.D., M.D. or Ph.D. in applicable study focuses from an accredited university

• Attendance and interviewing at the 2019 ASHP Midyear meeting is highly recommended

• Excellent oral and written communication skills, ethics, professionalism, leadership, and an interest in the biopharmaceutical industry are required for all fellowship positions
This non-laboratory based one-year Clinical Pharmacology Fellowship focuses on developing skills of a modern clinical pharmacology scientist. The fellow will be provided opportunities to gain expertise in nonclinical and clinical development through honing skills in areas such as clinical pharmacology, pharmacometrics, nonclinical pharmacokinetics/toxicokinetics and translational strategies. As part of the training, the fellow will be provided with opportunities to engage in a number of activities such as: design and execution of nonclinical pharmacokinetic/toxicokinetic studies, design and execution of clinical pharmacology studies, development of translational strategies in support of target engagement and biomarker/dose/regimen selection, preparation of regulatory documents, and PK/PD and pop-PK modeling. The candidate will also participate in cross-functional team interactions spanning all of Allergan’s therapeutic areas. This advanced hands-on training program can be tailored towards the specific needs and background of the candidate.

**Objectives:**
- Collaboratively design and oversee execution of nonclinical pharmacokinetic/toxicokinetic studies and/or clinical pharmacology studies
- Analyze, interpret, and present data derived from nonclinical and clinical studies
- Serve (alongside a senior mentor) as a representative on nonclinical and clinical project teams to guide clinical pharmacology and translational efforts
- Contribute towards drafting regulatory documents
- Execute, interpret, and present results from PK/PD and/or pop-PK analyses at internal meetings
- If applicable, present work at professional meetings and/or author a scientific publication

**APPLICATION REQUIREMENTS**
- Pharm.D. or Ph.D. from an accredited university or equivalent
- Experience and coursework in pharmacology, pharmacokinetics, toxicology, or similar
- Excellent oral and written communication skills, ethics, professionalism, leadership, and an interest in the biopharmaceutical industry
This one-year Research Pharmacology Fellowship focuses on developing the pre-clinical translational skills required of a pharmacology scientist. As part of the training program, the fellow will participate in pre-clinical study activities including study conceptualization through study design, protocol development, study execution, and cross functional team interactions across multiple therapeutic areas within Allergan. Additionally, interested fellows can gain expertise in pharmacology sections of regulatory submissions, and interact with scientists from other functions such as formulation development, clinical pharmacology and clinical development. The fellowship is intended to enhance the postdoctoral research training of the applicant with hands-on application of core biological principles and techniques to move programs from preclinical stages to clinical development for key Allergan programs.

OBJECTIVES
• Independently design and conduct pharmacology studies to support program projects
• Research, design and validate novel platforms or targets
• Be able to execute, interpret, and deliver data analyses
• If applicable, present work at internal Allergan meetings, a professional meeting and/or author a scientific publication

APPLICATION REQUIREMENTS
• Ph.D. from an accredited university or equivalent
• Experience and coursework in pharmacology, biochemistry, molecular biology, cell biology, neuroscience, a plus
• Good oral and written communication skills, teamwork, professionalism, and an interest in biopharmaceutical industry are required for all fellowship positions
FELLOWSHIP ALUMNI ALMA MATER
The USC-Allergan fellowship provided the perfect first step in my professional career. As a fellow, I was able to explore different areas of the pharmaceutical industry to ultimately help plan my career path. I was very fortunate to have preceptors and colleagues who provided valuable mentorship and meaningful projects that helped guide my fellowship experience. It solidified my interest in pursuing a career in the industry, and now, my favorite part of working in the industry is being able to impact health care on a global scale by bringing new, innovative treatments to the market.

As someone who has participated as an interviewer at several Midyear meetings, the most memorable candidates were those who were truly themselves throughout the process. Those who are able to balance their qualifications with true authenticity will stand out amongst their peers. In addition, it is important to note that you are interviewing programs as much as they are interviewing you. Your preceptor will make or break your experience in a fellowship, so it is important to make sure you pursue a position which you feel you would be a good fit both professionally and personally.

The USC-Allergan Fellowship greatly impacted my career and I am where I am today because of it. It provided the training needed to transition from a student to an industry scientist, as well as networking opportunities to secure a full-time position. After completing two years of the fellowship, I continued to work at Allergan because my experiences helped me realize that the industry was the correct career choice for me.

My advice for potential candidates is to make sure to thoroughly research fellowship programs that are of interest to you. Additionally, understand what you want to obtain from your future fellowship experience, and be sure to engage in leadership activities that show off your potential contributions to the industry. Fellowships give you the opportunity to explore your interests, find your place, and start your career off on the right foot.

The USC-Allergan Fellowship opened my eyes to additional positions pharmacists could have in the industry, my understanding of the fast-paced and evolving environment, and allowed for significant networking opportunities which got me to where I am today. Furthermore, I believe out of all the paths pharmacists can take, a career in industry provides the greatest opportunity for growth, both on a personal and professional level.

One of my favorite memories of my time as a fellow was attending the USC football games with my fellowship class, alumni, and our mentors. The program fostered a sense of family making it that much more enjoyable, and many of my co-fellows have turned into some of my closest friends. My advice to fellowship candidates is to take this time to work hard and make a name for yourself, but don’t forget to have fun along the way and make the most of your experience!

Aneesh Patel, Pharm.D.
Clinical Development Fellow 2012-2013
Evolus, Executive Director, Strategic Marketing

Wayne Chen, Pharm.D.
Clinical Development Fellow 2014-2015
Pharmacokinetics and Pharmacodynamics Fellow 2015-2016
Allergan PLC, Associate Director, Clinical Pharmacology

Melissa Downey, Pharm.D., M.S,
Medical Communications Fellow 2017-2018
Allergan PLC, Medical Science Liaison
### Recent Past Fellows

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Company</th>
<th>Fellowship Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyona (Heidi) Chung, Pharm.D.</td>
<td>Medical Science Liaison - Gastroenterology</td>
<td>Allergan PLC</td>
<td>2016-2017</td>
</tr>
<tr>
<td>Quoc Ho, Pharm.D.</td>
<td>Senior Manager, Clinical Development - Ophthalmology</td>
<td>Allergan PLC</td>
<td>2016-2017</td>
</tr>
<tr>
<td>Alda Karic, Pharm.D.</td>
<td>Director, U.S. Medical Affairs - Body Contouring</td>
<td>Allergan PLC</td>
<td>2013-2014</td>
</tr>
<tr>
<td>Amy Kuang, Ph.D.,</td>
<td>Associate Director, Global Medical Communications - Medical Writing</td>
<td>Allergan PLC</td>
<td>2010-2011</td>
</tr>
<tr>
<td>Amber Lewis, Pharm.D., PSM</td>
<td>Clinical Scientist</td>
<td>Allergan PLC</td>
<td>2018-2019</td>
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<tr>
<td>Bryon Lim, Pharm.D., M.S.</td>
<td>Senior Regulatory Affairs Analyst</td>
<td>Allergan PLC</td>
<td>2018-2019</td>
</tr>
<tr>
<td>Cynthia Nedicyakalayil, Pharm.D., MBA</td>
<td>Medical Science Liaison - Gastroenterology &amp; Hepatology</td>
<td>Allergan PLC</td>
<td>2018-2019</td>
</tr>
<tr>
<td>Anna Papinska, Ph.D., M.S.</td>
<td>Clinical Pharmacology Scientist</td>
<td>Allergan PLC</td>
<td>2016-2017</td>
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<tr>
<td>Eric Samuels, Ph.D., M.S.</td>
<td>Scientist, Small Molecule Product Development</td>
<td>Allergan PLC</td>
<td>2018-2019</td>
</tr>
<tr>
<td>Trever Todd, Ph. D.</td>
<td>Clinical Scientist - Ophthalmology</td>
<td>Allergan PLC</td>
<td>2017-2019</td>
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<tr>
<td>Jennifer Do, Pharm.D., M.S.</td>
<td>Medical Science Liaison - Migraine</td>
<td>Allergan PLC</td>
<td>2018-2019</td>
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<tr>
<td>Brittany Jordan, Pharm.D.</td>
<td>Manager, Global Medical Communications - Neurology</td>
<td>Allergan PLC</td>
<td>2017-2018</td>
</tr>
<tr>
<td>Amy Kuang, Ph.D.</td>
<td>Associate Director, Clinical Development</td>
<td>Allergan PLC</td>
<td>2014-2015</td>
</tr>
<tr>
<td>Elena Liang, Ph.D., M.S.</td>
<td>Scientist, Small Molecule Product Development</td>
<td>Allergan PLC</td>
<td>2017-2018</td>
</tr>
<tr>
<td>Nicole Naccara, Pharm.D.</td>
<td>Senior Manager, Global Medical Communications</td>
<td>Allergan PLC</td>
<td>2015-2016</td>
</tr>
<tr>
<td>Ashley Nguyen, Pharm.D.</td>
<td>Senior Manager, Clinical Development – Ophthalmology</td>
<td>Allergan PLC</td>
<td>2017-2018</td>
</tr>
<tr>
<td>Jeff Penzner, Pharm.D.</td>
<td>Senior Manager, Clinical Development</td>
<td>Allergan PLC</td>
<td>2015-2016</td>
</tr>
<tr>
<td>Nayna Sanathara, Ph.D.</td>
<td>Senior Medical Writer, Global Medical Communications - Ophthalmology</td>
<td>Allergan PLC</td>
<td>2016-2017</td>
</tr>
<tr>
<td>Ben Tsao, Pharm.D.</td>
<td>Manager, Clinical Development - CNS</td>
<td>Allergan PLC</td>
<td>2018-2019</td>
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APPLICATION PROCESS

The USC-Allergan Pharmaceutical Industry Fellowship program provides exceptional preparation and education for postdoctoral graduates entering the pharmaceutical industry. Entry into the program is competitive and applicants are encouraged to review all admission requirements and deadlines prior to beginning the application process.

The University of Southern California is an Equal Opportunity/Affirmative Action employer. USC-Allergan Fellows are classified as students, and are affiliated with Allergan PLC for the purpose of training and career development.

ADMISSION

To apply, go to http://web-app.usc.edu/web/pharmacy/application where you will be asked to provide:

- The email addresses of three references
- Curriculum Vitae (CV)
- Letter of intent
- Official pharmacy school, medical school, or graduate school transcript

DEADLINE

Candidates must submit the online application by December 13, 2019**

**All letters of references and official transcripts must be received by January 2, 2020.

REQUIREMENTS

To be admitted to the USC-Allergan Pharmaceutical Industry Fellowship program, you must have obtained:

- A Pharm.D., Ph.D., M.D. or equivalent doctorate degree from an accredited college or university within five years of initial appointment

PROGRAMS OFFERED

- Clinical Development
- Small Molecule Product Development
- Drug Delivery Sciences
- Regulatory Affairs - Chemistry, Manufacturing, and Controls
- Medical Affairs
- Clinical Pharmacology
- Research Pharmacology

Eligibility

Pharm.D., M.D., Ph.D. or equivalent doctorate degree from an accredited college or university within five years of initial appointment

Mail official transcripts to:
Pharmacy Residency & Fellowship Programs,
1985 Zonal Avenue, PSC B-15 Los Angeles, CA 90033

Additional information available at:
http://pharmacyschool.usc.edu/programs/fellowship/

CONTACT INFORMATION

William C. Gong, Pharm.D., FASHP, FCSHP
Director, Residency and Fellowship Programs
University of Southern California
School of Pharmacy
1985 Zonal Avenue
Los Angeles, California 90089-9121

Telephone: (323) 442-2625
Email: wgong@usc.edu | Residentfellow@usc.edu

Programs Offered

<table>
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<tr>
<th>University</th>
<th>UNIVERSITY OF SOUTHERN CALIFORNIA School of Pharmacy</th>
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<tbody>
<tr>
<td>University Location</td>
<td>Los Angeles, CA</td>
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<tr>
<td>Allergan Location</td>
<td>Irvine, CA</td>
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<tr>
<td>Program Length</td>
<td>1 year</td>
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<tr>
<td>Programs Offered</td>
<td>• Clinical Development</td>
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<td>Eligibility</td>
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