Biopharmaceutical Industry PharmD Fellowships

Unique Fellowships, Endless Opportunities
A Message from Al Sandrock Jr., Executive Vice President and Chief Medical Officer

Dear Prospective Biogen Fellow,

Thank you for your interest in the Biogen Post-PharmD Fellowship Programs. The growing biopharmaceutical industry provides tremendous opportunity for pharmacists looking for an alternative and diverse career. Since the start of this fellowship in 2007, Biogen, in collaboration with MCPHS University, has trained and promoted the role of the Doctor of Pharmacy within the company, academia, and the industry as a whole. Fellows completing this program grow professionally, in terms of skills and expertise, and have substantially impacted programs integral to the success of Biogen.

Since our founding in 1978 as one of the world’s first global biotechnology companies, Biogen has led innovative scientific research with the goal over the last decade to defeat devastating neurological diseases. Our culture of innovation, inclusiveness, and empowerment creates an atmosphere of learning and cultivates new opportunities for our employees and fellows. Our passion and focus goes beyond improving the lives of patients and extends to supporting the local community, nurturing science education for students of every age, and maximizing our environmental sustainability.

We are at an exciting time at Biogen and are committed to pursuing science that truly matters. Best of luck as you explore the different opportunities available to you, and I strongly encourage you to consider the Biogen Fellowship.

Sincerely,

Al Sandrock Jr., MD, PhD
Executive Vice President and Chief Medical Officer
About Biogen


At Biogen, our mission is clear: we are pioneers in neuroscience. Since our founding in 1978 as one of the world’s first global biotechnology companies by Charles Weissmann, Heinz Schaller, Kenneth Murray and Nobel Prize winners Walter Gilbert and Phillip Sharp, Biogen has led innovative scientific research with the goal over the last decade to defeat devastating neurological diseases.

Millions of people around the world are affected by multiple sclerosis, Alzheimer’s disease, Parkinson’s disease, and amyotrophic lateral sclerosis (ALS). Many people also suffer from less common diseases such as spinal muscular atrophy (SMA) and progressive supranuclear palsy (PSP). We believe that no other disease area holds as much need or as much promise for medical breakthroughs as neuroscience.

Biogen has some of the world’s best neurologists and neuroscientists. We engage with physicians and scientific leaders around the world with the aim to further medical research. Our focus on neuroscience, our deep scientific expertise, and our courage to take risks make us leaders in the research and development of medicines to transform neuroscience to benefit society.

Our technology and engineering capabilities create novel ways to seamlessly transition products from development to manufacturing with the intent of bringing our high-quality medicines to market faster.

We respect the contributions of health care providers caring for people living with neurological diseases. We honor the important role of caregivers, families, and friends who care about them.

Biogen is committed to working with advocacy and patient organizations as they serve the communities they represent.

Recognizing the challenges facing health care systems today, we collaborate with regulatory authorities and customers such as health care providers and payers, so that those in need can access our medicines.

Professional, ethical, and compliant, we hold ourselves accountable to deliver value to our shareholders.

Biogen contributes to the communities where we live. We are committed to our employees, diversity and inclusion, and environmental sustainability.

We care deeply about making a difference.

We work fearlessly. We do not give up even when challenged, pursuing innovation in all that we do.

We are humbled by the opportunity to change lives.

About the Fellowships

Biogen, in collaboration with MCPHS University, offers six unique fellowship programs to promote the role of the Doctor of Pharmacy (PharmD) within the biopharmaceutical industry:

- Global Safety
- Regulatory Sciences
- Regulatory Sciences-Advertising and Promotion
- Regulatory Sciences-Global Medical Writing
- Worldwide Medical
- US Medical

Fellows will gain extensive experience through a variety of practical activities in both industry and academic settings, which will enhance the potential for accelerated career development.
Global Safety Fellowship

About Global Safety

Biogen is responsible for the continuous assessment of the benefit-risk relationship of all its products—starting in the early stages of development and continuing through the post-market phase. Members of the Global Safety department are constantly working to gain a better understanding of the safety profile of marketed products and those in development in order to provide the medical community and patients with the data necessary to make an informed decision regarding disease management.

This 2-year Global Safety Fellowship is designed to provide an in-depth and hands-on experience. Starting from individual case safety reports (ICSR) through aggregate reporting the fellow will learn about the pharmacovigilance life cycle. Through this program, the fellow will rotate through and gain exposure to the following two general areas:

Global Case Management: During this rotation, the fellow will become knowledgeable about the adverse event reporting process including data collection, initial review and triage, adverse event report assessment, and reporting and submissions of ICSRs. The fellow will also enhance his or her understanding of clinical trial safety, ICSR reporting requirements, global pharmacovigilance regulations and guidelines, safety data exchange agreements, and vendor oversight.

Safety Surveillance and Aggregate Reporting: During this rotation, the fellow will engage in safety surveillance activities, prepare and review signal evaluation reports, safety aggregate reports, risk management plans and be involved in other safety related documents utilizing the training and skills gained through previous rotations.

Elective Options

The fellow will have the opportunity to spend up to 4 months in another department within Biogen. Departments may include, but are not limited to:

- Regulatory Sciences
- Global Medical Writing
- Clinical Drug Supply Chain
- Global Clinical Operations
- Global Commercial Strategy
- Health Economics and Outcomes Research

Program Director

"The Global Safety Fellowship provides the opportunity for Fellows to learn and contribute to the pharmacovigilance lifecycle through exposure and practical experience across the various Safety sub-functions. They become integral members of our teams."

Sharon Chan, PharmD, RPh
Associate Director, Global Safety and Regulatory Sciences

Second-Year Fellow

"I am incredibly grateful to have the opportunity to work closely with passionate and accomplished professionals on valuable projects impacting challenging disease states. Biogen provides a challenging yet encouraging environment to drive personal and professional growth through the guidance of experienced preceptors and colleagues."

Shrinal Patel, PharmD, RPh
MCPHS University - Boston, School of Pharmacy

First-Year Fellow

"Biogen’s fellowship program provides unique opportunities to develop and refine skills that will follow you throughout your career. I am incredibly thankful for the mentors that I have had the privilege to work with. I have learned so much about what it takes to have a career in the pharmaceutical industry and what opportunities are available to me. As a fellow you are able to embrace the transition from school to the workforce with the support and knowledge of the industry’s leaders. I look forward to continuing my growth in my second year as a safety fellow."

Abigail Gardella, PharmD
MCPHS University - Manchester, School of Pharmacy
About Regulatory Sciences

Regulatory Sciences at Biogen is an integral part of global development, providing strategic guidance to programs across the spectrum of development and commercialization. As a leader in neuroscience, Biogen encourages innovation across all aspects of drug development, including regulatory strategy. Regulatory Sciences at Biogen is continually looked to for new and risk-forward approaches. This spirit of pioneering is the ideal background for a PharmD fellow to challenge themselves and grow as a professional.

Fellows in this program will gain valuable hands-on experience working on programs that span the development lifecycle. By working directly with experienced regulatory professionals, fellows will learn the fundamentals of both US and global regulatory and form the foundation for a successful career in Regulatory Sciences. In addition, fellows may have the opportunity to work on department-wide initiatives that span multiple drug development programs.

Over the course of this two-year fellowship, the fellow will gain experience in the US and Global Regulatory Sciences groups.

Program Director

“Biogen is simply the best place to grow, develop, and learn as a regulatory professional. As an intern, a fellow, and as an employee, Biogen has given me new challenges and new opportunities at each turn. I continue to learn every day in a supportive and innovative environment.”

Colin Gillis, PharmD
Senior Manager, US Regulatory Sciences

First-Year Fellow

“Biogen provides a great environment in which to learn and grow as a professional, and fellows have a strong support system of both preceptors and co-fellows. As a first-year fellow, I have the opportunity to be part of a team of experienced industry professionals dedicated to advancing patient care through innovative therapies.”

Hannah Hoseyni, PharmD, RPh
University of Pittsburgh, School of Pharmacy

Fellowship Contact Information

RegFellowship@biogen.com

Elective Options

In addition to these core functions, the fellow will have an opportunity to spend several months in an optional elective in another department within Biogen, either within regulatory or another functional area.

Departments may include, but are not limited to:

- Asset Management
- Worldwide Medical
- Regulatory Sciences– Advertising and Promotion (AP)
- Global Regulatory Policy
- International Regulatory Sciences
Regulatory Sciences—Advertising and Promotion Fellowship

2-YEAR PROGRAM

REGULATORY SCIENCES–AP

9 months

6 months

US MARKETING

ELECTIVE

6 months

REGULATORY SCIENCES–AP

About Advertising and Promotion

Regulatory Sciences—Advertising and Promotion (AP) is one of the functional groups within the Regulatory Sciences organization that support Biogen’s development and commercial programs. The Regulatory Sciences–AP team is responsible for providing Biogen with strategic, high-quality, timely, and decisive regulatory advice on advertising and promotional materials, communications, and company activities in accordance with FDA regulations, company policies, and business goals. The AP group leads communications with regulatory agencies related to US advertising and promotion. This 2-year Regulatory Sciences–AP fellowship is designed to provide advanced, hands-on experience. The fellowship provides AP professionals with comprehensive knowledge of regulations and real-world applications for advertising and promotion in the biopharmaceutical industry.

Elective Options

The fellow will have the opportunity to spend up to 3 months in another department within Biogen. Departments may include, but are not limited to:

- Worldwide Medical
- Global Commercial Strategy
- Health Economics and Outcomes Research
- Global Safety
- Regulatory Sciences
- Customer & Market Insights

Regulatory Sciences—Advertising and Promotion

Program Director

“Our program provides individuals interested in regulatory sciences with an opportunity to work in the constantly evolving field of advertising and promotion. Fellows will develop a core foundation in advertising and promotion, as well as participate in rotations in both marketing and an elective based on their own interests. This structure encourages a deep understanding of the material review process as fellows can fully appreciate the diverse cross-functional perspectives through their contributions to both regulatory and other groups.”

Julie Grimaldi, MS, MPH
Associate Director, Regulatory Sciences Advertising and Promotion

Second-Year Fellow

“Being part of this fellow program has given me a hands on approach into the world of advertising and promotion within regulatory sciences. The team values mentorship and has gone above and beyond to provide me with the fundamental understanding of advertising and promotion. I am so thankful to have the opportunity to work with a team that strives to provide me with all the tools I need to flourish in this field. I know by the end of my fellowship I will be more than prepared to be successful in the biopharmaceutical industry.”

Adaku Onwuzurumba, PharmD
MCPHS University – Worcester, School of Pharmacy

First-Year Fellow

“The Regulatory Sciences Advertising and Promotion fellowship fosters growth and emanates the passion Biogen has for pioneering neuroscience. Each unique opportunity gives further insight into the regulatory sciences and allows fellows to be an integral part of the team. The structure of the program allows for growth beyond Ad Promo which allows fellows to understand all the moving parts within the company. I am supported by a driven team compiled of great leaders and mentors that provide immense support to help fellows grow personally and professionally.”

Nick Munafo, PharmD
MCPHS University - Boston, School of Pharmacy

Fellowship Contact Information

RegAPFellowship@biogen.com

Regulatory Sciences—Advertising and Promotion

Regulatory Sciences—Advertising and Promotion Fellowship is an area in which skills cannot be obtained solely from a professional degree; instead, the necessary knowledge is gained predominantly through on-the-job training and hands-on experience. Biogen recognizes this critical need for experienced Regulatory Sciences–AP professionals and has partnered with the marketing department to offer a fellowship with opportunities to experience and learn the following:

- the FDA regulations that govern advertising, and promotion
- how to accurately and effectively apply regulations and provide guidance
- how promotional materials are developed through the commercial organization

The overall goal of the program is to prepare each fellow to be a successful Regulatory Sciences–AP professional with a solid understanding of how FDA regulations are followed by the biopharmaceutical industry and enforced by the FDA. Upon completion of the fellowship, the experienced fellow will be well-prepared to enter into an advanced career in Regulatory Sciences–AP.
About Global Medical Writing

Biogen’s Medical Writing Fellowship will focus on clinical and regulatory documents needed for drug development. Over the course of 2 years, the fellow will work with teams including physicians, statisticians, clinical pharmacologists, and other scientists to create the documents needed to support the conduct and reporting of clinical trials, as well as the documents needed to obtain and maintain marketing authorization for therapies.

In the first year, the fellow will develop documents at the level of an individual clinical study of a potential new drug. These documents will include the clinical study protocol and the clinical study report needed to conduct and describe the data from the study, respectively. The fellow, as part of the cross-functional team of scientists and physicians, will learn about the purpose, structure and components of a protocol, and the process required to develop and adapt the protocol during the course of a study.

The fellow will also become familiar in the interpretation and reporting of the clinical data, the purpose of the clinical study report, and the importance of the data in this document to stakeholders.

Working within cross-functional teams provides exposure to the different scientific and medical functions within drug development and in how they collaborate on clinical studies. Also, developing an understanding of how the study-level documents are created will provide the fellow with the foundation needed to understand how individual studies support the overall drug development process.

In the second year, the fellow will work on program-level documents that are required to support all studies within a drug development program, or support the submission of data to regulatory authorities for marketing authorizations. This will allow the fellow to gain experience with a wider variety of documents and an understanding of their function within the broader context of drug development.

Program Director

“The Biogen Medical Writing fellows are afforded the opportunity to gain experience across the drug development spectrum through the production of regulatory medical writing documents.”

Karthik Venkatesh, PhD
Associate Director, Global Medical Writing

Second-Year Fellow

“The Global Medical Writing Fellowship offers the opportunity to learn about and be involved with every stage of the clinical development process. Fellows work with cross-functional teams to produce crucial clinical and regulatory documents. The program connects fellows with faculty at MCPHS and colleagues at the most influential biotech and pharmaceutical companies in the world.”

Jeffrey Roth, PharmD, RPh
University of North Carolina, Eshelman School of Pharmacy

First-Year Fellow

“The Global Medical Writing Fellowship offers unique opportunities to gain knowledge and experience in the drug development process. Fellows work cross-functionally on a wide variety of projects while equipping you with the necessary experience to lead a team through clinical and regulatory document lifecycles. This program provides a platform for professional growth and a solid foundation for a career within the biopharmaceutical industry.”

Jayvir Dabhi, PharmD
MCPHS University - Worcester, School of Pharmacy

Elective Options

The fellow will have the opportunity to spend up to 4 months in another department within Biogen. Departments may include, but are not limited to:

- Global Clinical Operations
- Regulatory Sciences
- Global Safety
- Scientific Communications
- Worldwide Medical
About Worldwide Medical

Worldwide Medical’s (WM) vision is to advance and drive medical practice to improve measurable patient outcomes. Inside Biogen, WM is a resource for effective data generation, scientific communication and education. Externally, we are scientific partners to medical experts, physicians and patients, explaining the meaning behind our cutting-edge research data, collaborating on research studies and discovering unmet patient needs for our current and next-generation therapies.

During the first year of the WM fellowship program, the fellow will have the opportunity to explore different functional areas within WM. If desired, the fellow will have the opportunity to select one rotation outside of WM to obtain a cross-functional perspective and understanding of how Biogen collaborates internally.

For the second year of the fellowship, the fellow will pick an area of concentration within WM to prepare them for a career within the biopharmaceutical industry.

FUNCTIONAL GROUP ROTATIONS

1st Year

Select
- 3 Core rotations from any below
- 1 Additional core rotation or an elective outside of medical

2nd Year

Select
- 1 Longitudinal experience (of previously completed Medical rotations)

Fellowship Contact Information

WWMFellowship@biogen.com

Program Directors

“Biogen’s Worldwide Medical program is different. We understand career decisions are best informed by real experiences. Our flexible and immersive rotational program allows your interests to be explored within Biogen’s business priorities and is individually tailored for you.”

Kyle Terpak, PharmD, RPh
Senior Manager, Global Scientific Communications

“By offering a range of robust rotations in various functional areas within Medical Affairs, the Worldwide Medical fellowship program empowers fellows to lead impactful projects directed at improving clinical practice across Biogen’s core and emerging therapeutic areas.”

Tucker Ward, PharmD
MCPHS University - Boston, School of Pharmacy

Second-Year Fellows

“By offering a range of robust rotations in various functional areas within Medical Affairs, the Worldwide Medical fellowship program empowers fellows to lead impactful projects directed at improving clinical practice across Biogen’s core and emerging therapeutic areas.”

Tucker Ward, PharmD
MCPHS University - Boston, School of Pharmacy

Stephanie Yin, PharmD, RPh
The University of Texas at Austin, College of Pharmacy

First-Year Fellows

“The Worldwide Medical fellowship provides a platform for graduating pharmacists to further develop the skills they have learned during pharmacy school. Working cross functionally on impactful assignments enhances the fellow’s understanding of the drug development process while remaining committed to patients around the world.”

Rohit Arjun Amarsi, PharmD, RPh
Keck Graduate Institute, School of Pharmacy and Health Sciences

“By offering a range of robust rotations in various functional areas within Medical Affairs, the Worldwide Medical fellowship program empowers fellows to lead impactful projects directed at improving clinical practice across Biogen’s core and emerging therapeutic areas.”

Tucker Ward, PharmD
MCPHS University - Boston, School of Pharmacy

Rohit Arjun Amarsi, PharmD, RPh
Keck Graduate Institute, School of Pharmacy and Health Sciences
US Medical Fellowship
2-YEAR PROGRAM

US MEDICAL DIRECTOR’S OFFICE
9 months

3 months
ELECTIVE

MEDICAL VALUE STRATEGY & EXECUTION OFFICE
9 months

3 months
ELECTIVE

About US Medical
The US Affiliate Office for Worldwide Medical ("US Medical") is responsible for high-quality medical engagement with US healthcare entities. It is staffed with pharmacists, physicians, and highly scientifically trained business professionals, and is organized to deeply engage three key segments of the US marketplace: (1) health care professionals (2) managed care and formulary decision makers, and (3) patient advocacy groups and professional societies. US Medical is currently responsible for medical engagement in various therapeutic areas including but not limited to Multiple Sclerosis, Spinal Muscular Atrophy, Alzheimer’s Disease, and Progressive Supranuclear Palsy.

The US Medical Fellowship is designed for fellows to acquire the skills necessary to drive scientific thought leadership, launch rare disease and specialty products, and enable market access to therapies. By the end of the fellowship, the US Medical Fellow will have acquired skills and experiences to pursue roles within Medical Affairs or Market Access.

Fellowship Contact Information
MedValueFellowship@biogen.com

Elective Options
The fellow will have the opportunity to spend up to 3 months rotating in at least two other departments within Biogen, such as:

- US Marketing
- Global Medical Evidence and Research Innovation (MERI)
- Global Health Economics and Outcomes Research
- US Pricing and Channel Distribution
- US Patient Services
- US Government Policy and Advocacy

Program Director
“Fellows who participate in our program will have an intense immersive experience into the inner workings of a leading affiliate in a global organization. My goal is to challenge fellows with short and medium-term projects, so they are well-suited to continue their career in the pharmaceutical industry.”

Caroline Geremakis, PhD, MPH
Associate Director, Medical Value Strategy & Execution, US Medical

First-Year Fellows
“Fellows who participate in our program will have an intense immersive experience into the inner workings of a leading affiliate in a global organization. My goal is to challenge fellows with short and medium-term projects, so they are well-suited to continue their career in the pharmaceutical industry.”

Jason Mendoza, PhD
Medical Director, US Lead: TECFIDERA, Interferons, and BIIB098 (pipeline)

“Fellows who participate in our program will have an intense immersive experience into the inner workings of a leading affiliate in a global organization. My goal is to challenge fellows with short and medium-term projects, so they are well-suited to continue their career in the pharmaceutical industry.”

Jenna Borowski, PharmD
University of Pittsburgh, School of Pharmacy

“Fellows who participate in our program will have an intense immersive experience into the inner workings of a leading affiliate in a global organization. My goal is to challenge fellows with short and medium-term projects, so they are well-suited to continue their career in the pharmaceutical industry.”

Auston Collins, PharmD
The Ohio State University, College of Pharmacy
“As a previous fellow, I cannot emphasize enough how invaluable the Biogen MCPHS fellowship program is for the fellows and for Biogen. There is no better environment for gaining real-world drug development experience and understanding how the many pieces of the puzzle fit together. The TDG fellowship program will offer the fellow a unique opportunity to rotate through three key pillars of drug development before determining their preferred area of concentration for the 2nd year. My hope is that the fellows come out of the program with the tools to navigate the biopharmaceutical industry and experiences to inform the next steps in their career path.”

Stephanie Fradette, PharmD
Medical Director, Clinical Development

About Therapeutics Development
Based in the Biogen headquarters in Cambridge, MA but having a global footprint, the Therapeutics Development Group (TDG) is the engine of Biogen’s clinical portfolio, working to efficiently and innovatively develop therapies for people affected by serious disorders. TDG consists of Global Clinical Operations (GCO), Analytics and Data Sciences (ADS), and Late-Stage Clinical Development (LSCD). Together, this group supports innovative development plans and trial designs, exceptional clinical study execution, and cutting-edge analytics and data sciences.

The 2-year TDG fellowship is designed to provide a robust, hands-on experience in drug development for global programs across the full development life cycle and therapeutic areas. During the program, the fellow will gain experience in each of the pillars of TDG through 4-month rotations before selecting their area of concentration for the 2nd year of the program to build the foundation for a career within the biopharmaceutical industry.

Late-Stage Clinical Development: Late-Stage Clinical Development (LSCD) drives strategy, design and execution of innovative clinical development plans and studies to expedite access to safe and effective therapies for diseases with unmet medical needs.

Analytics and Data Sciences: Analytics and Data Sciences (ADS) brings together cross-functional expertise including Biostatistics, Data Management, Epidemiology, Statistical Programming, and Observational Analytics to enable an integrated and innovative approach to accessing and analyzing data across complex development programs.

Global Clinical Operations: Global Clinical Operations (GCO) provides operational expertise and rigor to enable world-class execution of clinical trials across the R&D clinical pipeline (from first-in-human through pivotal and post-approval studies).

Additionally, as the first TDG fellow, there will be a unique opportunity to help shape the future of the program.

Fellowship Contact Information
TDGFellowship@biogen.com

Therapeutics Development Fellowship
2-YEAR PROGRAM

FUNCTIONAL GROUP ROTATIONS
12 months

12 months

CORE FUNCTIONAL GROUP

Program Director

“As a previous fellow, I cannot emphasize enough how invaluable the Biogen MCPHS fellowship program is for the fellows and for Biogen. There is no better environment for gaining real-world drug development experience and understanding how the many pieces of the puzzle fit together. The TDG fellowship program will offer the fellow a unique opportunity to rotate through three key pillars of drug development before determining their preferred area of concentration for the 2nd year. My hope is that the fellows come out of the program with the tools to navigate the biopharmaceutical industry and experiences to inform the next steps in their career path.”

Stephanie Fradette, PharmD
Medical Director, Clinical Development
Global Safety and Regulatory Sciences (GSRS)

During the rotation in Regulatory Sciences, the fellow will acquire a better understanding of the dynamics of the drug development process throughout the life cycle of our products, from early development through approval and commercialization. The fellow will have the opportunity to gain experience in the different functions of the regulatory department, including Global Regulatory Policy, Early and Late Global Regulatory Sciences, and US and International Regulatory Sciences.

During the rotation in Global Safety, the fellow will learn about the pharmacovigilance life cycle starting from individual case safety reports (ICSRs) through aggregate reporting. The fellow will have the opportunity to rotate through 2 general areas: Global Case Management, and Safety Surveillance and Aggregate Reporting.

Trial Master File/Clinical Trial Application (TMF/CTA)

The TMF is considered the autobiography of a study and is our evidence that the integrity of the trial data, study analysis, and study conclusions are credible, and that patient rights and safety have been protected. During the first year of the fellowship, the fellow will obtain a functional working knowledge within the TMF group as a support system for the TMF Study Owners, Manager, and Process Owner.

During the second year, the fellow will gain direct experience within the CTA team, which is responsible for managing international clinical trial applications with health authorities. In doing so, the team is responsible for the oversight of Clinical Research Organizations (CRO) and the collaboration with Biogen to ensure timely execution of the application submissions.

Second-Year Fellows, GSRS

"Fellowship programs within Biogen provide so much more than experience in the pharmaceutical industry. These fellowships provide opportunities to make an impact by working with talented teams on meaningful projects to achieve patient-centered goals."

Patsy Casalino, PharmD
MCPHS University - Boston, School of Pharmacy

"The fellowship program provides the perfect transition between student and professional: While fellows are expected to be independent and self-motivated, they are also offered support from a close-knit network of co-fellows, as well as guidance from highly experienced industry professionals."

Lori Yeterian, PharmD, RPh
MCPHS University - Boston, School of Pharmacy

Second-Year Fellow, TMF/CTA

"Biogen has an open and collaborative workplace culture, so everyone is easily approachable and willing to help with my professional development. The TMF and CTA teams have been very supportive, and working alongside them has exposed me to varied functions within R&D as well as working with CROs. I am thrilled to have this opportunity to gain such an invaluable experience."

Edwin Addai, PharmD, RPh
MCPHS University - Worcester, School of Pharmacy
About MCPHS University

MCPHS University provides an academic environment to guide and support fellows toward a successful career in the biopharmaceutical industry. As a private institution with a history of specializing in the health sciences, MCPHS University offers programs that embody scholarship, professional service, and community outreach. Through MCPHS University, the fellow will have the opportunity to gain teaching and research experience in an academic setting. Throughout the program, MCPHS University faculty and company program leaders mentor fellows according to each fellow’s scholarly and professional interests.

As an adjunct assistant professor at MCPHS University, each fellow may have the opportunity to:

• develop, coordinate, and teach pharmacy courses.
• co-precept students on advanced experiential rotations.
• create and publish scholarly research and review articles.
• present data at scientific and clinical meetings.
• participate in professional development seminars.

MCPHS University Faculty Preceptors

Dr. Amee Mistry is Professor of Pharmacy Practice and has been with MCPHS University since 2006. Dr. Mistry earned her PharmD at the Albany College of Pharmacy and completed a PGY1 Community Practice Residency with Walgreens and MCPHS University. In 2015, Dr. Mistry took over as Director of the MCPHS Biopharmaceutical Industry Fellowship program. She works directly with leaders in the area to continue to foster growth and development of the post-graduate program, and to assist the fellows in attaining positions within the pharmaceutical industry. In addition, she is advisor for the student IPhO chapter at MCPHS, co-advisor for APhA-ASP a national trainer for the APhA Pharmacy-Based Immunization training program, and is actively involved with the Massachusetts Pharmacists Association.

MCPHS University Faculty Preceptors

- Michael Angelini, MA, PharmD, BCPP
  Professor of Pharmacy Practice

- Timothy Aungst, PharmD
  Associate Professor of Pharmacy Practice

- Paul Kaplita, PhD
  Associate Professor of Pharmaceutical Sciences

- Elizabeth Haftel, PharmD, CDE
  Assistant Professor of Pharmacy Practice

- Michael Steinberg, BA, BS, PharmD, BCOP
  Professor of Pharmacy Practice

- Adrian Wong, PharmD, MPH, BCPS, BCCCP
  Assistant Professor of Pharmacy Practice

- Kristine Willett, PharmD, FASHP
  Professor of Pharmacy Practice

Eligibility

The MCPHS Biopharmaceutical Industry fellows will be selected on a nationally competitive basis, with interviews at the American Society of Health Systems Pharmacists (ASHP) Midyear meeting.

• Applicants must have a Doctor of Pharmacy degree from an ACPE accredited college of pharmacy at the commencement of the program.

• Candidates must have strong written and verbal communication skills and a strong interest in pursuing a career within the biopharmaceutical industry.

• All candidates must have authorization to work in the United States throughout the duration of the one or two-year fellowship. No visa sponsorship will be provided.

Application Procedure

Before ASHP Midyear Clinical Meeting

Registration is required with the American Society of Health-Systems Pharmacist (ASHP) Midyear Clinical Meeting Personnel Placement Service (PPS) to interview at Midyear. In addition, to be scheduled for an interview at the ASHP Clinical Midyear Meeting, applicants must upload the following application materials to the online portal (www.mcphs.fluidreview.com) by December 2nd, 2019:

• Letter of intent
• Curriculum vitae
• Unofficial college transcript
• Contact information of three references for their recommendations.

After ASHP Midyear Clinical Meeting

Three recommendations must be submitted no later than December 16th, 2019 via the online portal.

Onsite Interviews

Top candidates will be invited for onsite interviews at the sponsoring company’s location. Final candidates will be required to go through additional screening and onboarding as required by MCPHS University.
Frequently Asked Questions

What is the timeline for the fellowship selection process?
• Initial interviews for the fellowship are conducted at the ASHP Midyear Clinical Meeting. All candidates will need to register with Personnel Placement Service (PPS) in order to interview.
• To request an interview, select the fellowship program(s) of interest through the FluidReview portal and provide a letter of intent, curriculum vitae, unofficial college transcript, and contact information of three references.
• The application materials listed above must be received by December 2nd; however, applications will be accepted and reviewed prior to the due date. Due to the competitive nature of the selection process, applicants are encouraged to submit their application materials as soon as possible.
• Recommendations from three references must be submitted by December 16th, 2019.
• The selection process will be complete by late January.

Do I need previous industry experience in order to be considered for the fellowship program?
• No, previous industry experience is not required.

Do I have to be a registered pharmacist to qualify for this fellowship?
• No, but licensure is strongly encouraged. To qualify for this fellowship, you must be a graduate of an ACPE-accredited PharmD program at the commencement of the fellowship.

Will I be able to defer my student loans?
• Yes, provided that the student loan company accepts fellowship deferment. Candidates should contact their lender(s) for more information regarding eligibility and terms of deferment.

Can I apply for more than 1 fellowship at Biogen?
• Yes, we welcome potential applicants to explore all of the opportunities available at Biogen.

Is a cover letter required to request an interview at PPS?
• No, a cover letter is not needed for the initial interview request, but a letter of intent is required.

Are there any other elective options available that are not listed?
• All elective options are subject to availability. Additional options may be available depending on interest.

Fellowship Alumni

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<td>University of California–San Francisco School of Pharmacy</td>
<td>Senior Director, US Marketing Kite Pharma</td>
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<td>Benjamin Exter, PharmD</td>
<td>Northeastern University Bouvé College of Health Sciences</td>
<td>Vice President, Pharmacovigilance Unum Therapeutics</td>
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<td>University of California–San Francisco School of Pharmacy</td>
<td>Associate Director, Medical Services Iovance Biotherapeutics, Inc.</td>
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<td>Northeastern University Bouvé College of Health Sciences</td>
<td>Senior Regional Medical Liaison Amgen</td>
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<td>Northeastern University Bouvé College of Health Sciences</td>
<td>Consultant, Drug Safety Iovance Biotherapeutics, Inc.</td>
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<tr>
<td>Stephanie Fradette, PharmD</td>
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<td>Medical Director, Clinical Development Biogen</td>
</tr>
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<td>Desmond Murphy, PharmD</td>
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<td>Medical Science Liaison Alnylam Pharmaceuticals</td>
</tr>
<tr>
<td>Kimberly Price, PharmD, RPh</td>
<td>Massachusetts College of Pharmacy and Health Sciences–Worcester</td>
<td>Associate Director, Scientific Communications bluebird bio</td>
</tr>
<tr>
<td>Lauren Ollive, PharmD, RPh</td>
<td>Rutgers University Ernest Mario School of Pharmacy</td>
<td>Associate Director, Regulatory Policy Biogen</td>
</tr>
<tr>
<td>Theresa Foster, PharmD, RPh</td>
<td>University of New England College of Pharmacy</td>
<td>Pharmacovigilance Scientist Ironwood Pharmaceuticals</td>
</tr>
<tr>
<td>Martin Kwek, PharmD</td>
<td>The Ohio State University College of Pharmacy</td>
<td>Associate Director, Regulatory Affairs Ironwood Pharmaceuticals</td>
</tr>
</tbody>
</table>
### Fellowship Alumni (Cont’d)

#### Regulatory Sciences - Safety and Benefit Risk Management

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<thead>
<tr>
<th>Name</th>
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<tr>
<td>Colin Gillis, PharmD</td>
<td>Northeastern University</td>
<td>Senior Manager, Regulatory Affairs Biogen</td>
</tr>
<tr>
<td>Bhumki Patel, PharmD</td>
<td>University of the Sciences Philadelphia College of Pharmacy</td>
<td>Manager, Regulatory Global Labeling Pfizer</td>
</tr>
<tr>
<td>Tina Chhabra, PharmD</td>
<td>Virginia Commonwealth University School of Pharmacy</td>
<td>Health Policy Fellow United States Senate</td>
</tr>
<tr>
<td>Kathy Lu, PharmD</td>
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<td>Manager, Regulatory Global Labeling Amgen</td>
</tr>
<tr>
<td>Amanda Hall, PharmD</td>
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<td>Manager, Regulatory Affairs Biogen</td>
</tr>
<tr>
<td>Richard Lem, PharmD</td>
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<td>Associate Director, Regulatory Affairs Advertising and Promotion Bayer HealthCare</td>
</tr>
<tr>
<td>Sheila Kundu, PharmD</td>
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<td>Associate Director, Regulatory Affairs Advertising and Promotion Gilead Sciences</td>
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<tr>
<td>Kate Ho, PharmD, RPh</td>
<td>Purdue University College of Pharmacy</td>
<td>Senior Manager, Regulatory Affairs Advertising and Promotion TESARO, Inc</td>
</tr>
<tr>
<td>April Nguyen, PharmD</td>
<td>University of the Pacific Thomas J. Long School of Pharmacy and Health Sciences</td>
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#### Regulatory Sciences - Advertising and Promotion

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#### Regulatory Sciences - Trial Master File/Clinical Trial Application

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<tbody>
<tr>
<td>Jihae Lim, PharmD</td>
<td>Temple University School of Pharmacy</td>
<td>Senior Specialist, Labeling Merck</td>
</tr>
<tr>
<td>Joseph Naggar, PharmD, RPh</td>
<td>MCPHS University-Boston School of Pharmacy</td>
<td>Senior Specialist, Publication Management Merck</td>
</tr>
<tr>
<td>Melissa Laracy, PharmD</td>
<td>University of Connecticut School of Pharmacy</td>
<td>Senior Medical Writer Biogen</td>
</tr>
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</table>

#### Regulatory Sciences - Global Medical Writing

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<tbody>
<tr>
<td>Jonathan Kendler, PharmD, MBA</td>
<td>University of the Sciences Philadelphia College of Pharmacy</td>
<td>Associate Director, Medical Managed Care Sanofi Genzyme</td>
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<tr>
<td>Manas Prasad, PharmD</td>
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<td>Associate Director, Medical Information Orchard Therapeutics</td>
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<tr>
<td>Jinny Min, PharmD</td>
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<td>Senior Manager, Medical Communications Rhythm Pharmaceuticals</td>
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<tr>
<td>Melanie Standridge, PharmD</td>
<td>Thomas Jefferson University College of Pharmacy</td>
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</tr>
<tr>
<td>Jaanai Babb, PharmD</td>
<td>Rutgers University Emest Mario School of Pharmacy</td>
<td>Payer Marketing Manager Sage Therapeutics</td>
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