MCPHS

BIOPHARMACEUTICAL INDUSTRY
FELLOWSHIP PROGRAM
LAUNCH YOUR CAREER IN THE HEART OF BIOTECH

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2026–2027

THE HISTORY OF MCPHS

Massachusetts College of Pharmacy and Health Sciences (MCPHS) is the oldest institution of higher education in the city of Boston and has the second-oldest pharmacy program in the United States. Since its founding in 1823, MCPHS has been on the cutting edge of innovation in healthcare education. We are committed to training professionals for the future of the exciting, ever-expanding healthcare industry and helping them achieve their career goals. The addition of the Worcester, MA, and Manchester, NH, campuses has supported our commitment. Through their proactive efforts, our students, alumni, and faculty have had an impact on countless disciplines across the healthcare world and beyond.

FELLOWSHIP OVERVIEW

Founded in 2003, the fellowship program is designed to provide Doctor of Pharmacy (PharmD) graduates with in-depth, specialized training within the biopharmaceutical industry. Since the program's inception, and with its industry-leading partners, the program has continued to offer innovative and challenging positions. Each position affords significant experience in a corporate setting, enabling fellows to hone their business and clinical skills. The program also aims to foster professional development; provide intensive, hands-on training; and expose fellows to a variety of industry and academia-based opportunities.

LEARN MORE AT:
WWW.MCPHS.EDU/PHARMDFELLOW

FROM THE DESK OF THE DIRECTOR

Thank you for your interest in the MCPHS Biopharmaceutical Industry Fellowship Program! I'm thrilled to introduce you to one of the most dynamic and well-connected post-graduate training opportunities for PharmDs.

Our program is built on a strong foundation of collaboration with eleven leading biopharmaceutical companies in the Boston and Cambridge area—one of the world's most vibrant biotech hubs. Each year, we recruit exceptional candidates for one- or two-year fellowships across a wide range of functional areas, including Clinical Development, Medical Affairs, Regulatory Affairs, Pharmacovigilance, Clinical Supply Chain, and more.

Since our founding in 2003, we've grown steadily—offering PharmDs meaningful, real-world experiences and a powerful springboard into the pharmaceutical industry. Our community now includes over 300 alumni, many of whom continue to work in the greater Boston/Cambridge area or have gone on to impactful roles across the country. They remain a valuable part of the program, serving as mentors and industry leaders.

Fellows benefit from immersive industry experience, quarterly professional development sessions, teaching opportunities at one of the three MCPHS campuses, community engagement, and a robust network of peers and partners.

We're excited to meet the next generation of fellows and look forward to supporting your growth as you explore the path ahead. Best of luck in your search—we hope to welcome you into our fellowship family!

AMEE MISTRY **PharmD, RPh**

Professor of Pharmacy Practice

Director, Biopharmaceutical Industry Fellowship Program, MCPHS

"The MCPHS fellowship program is the gateway for PharmDs to experience and explore the biopharmaceutical industry's diverse working environments through structured training. This program is both challenging and exciting yet offers various opportunities that PharmDs would not have exposure to in a traditional setting. Graduates of our program are highly desirable due to their technical expertise, their intetrpersonal skills, and their understanding of how the business of drug discovery, development, and commercialization is carried out on both a domestic and a global scale."

OUR MISSION

To develop strong biopharmaceutical industry leaders through significant hands-on experience in their respective functional areas as well as provide unique teaching and scholarship opportunities under the mentorship of MCPHS faculty.

ACADEMIC COMPONENTS

MCPHS is proud to provide a rich academic environment that supports and enhances the professional growth of fellows as they prepare for successful careers in the biopharmaceutical industry. With a long-standing focus on the health sciences, MCPHS integrates academic excellence, professional service, and community engagement into all aspects of its educational mission.

As part of the fellowship experience, all fellows are expected to engage in both teaching and scholarly research. These academic components are designed to complement the industry-based training by developing essential skills in communication, critical thinking, and evidence-based practice.

To support this aspect of the fellowship, each fellow is paired with a dedicated MCPHS faculty mentor. These experienced educators provide

individualized guidance, helping fellows design and achieve their teaching and scholarship goals. Fellows may participate in a variety of academic activities, such as leading classroom discussions, delivering guest lectures, developing educational materials, or contributing to scholarly publications and presentations.

This academic partnership not only strengthens the fellow's professional foundation but also reinforces the MCPHS commitment to developing future leaders in pharmacy and the broader healthcare industry.

As a postdoctoral fellow at MCPHS, each fellow may have the opportunity to

- develop, coordinate, and teach within required or elective pharmacy courses;
- co-precept students on advanced pharmacy practice experiential rotations (APPEs);
- assist in the publication of scholarly research and review articles;
- present posters and data at scientific and clinical meetings; and
- participate in professional development seminars.

FELLOWSHIP PROGRAM OPPORTUNITIES

BIOMARKER DEVELOPMENT

Responsible for developing integrated biomarker plans using diverse expertise and knowledge in genetics, genomics, imaging, protein and cellular biology, statistics, and bioinformatics.

- Gain familiarity with innovative biomarker technologies used in clinical research.
- Build professional experience coordinating with internal and external stakeholders to manage biomarker samples and evaluations in ongoing clinical trials.
- Lead and contribute to process improvement projects, technology evaluations, and other initiatives across organization.

CLINICAL DEVELOPMENT/OPERATIONS

Responsible for designing and executing clinical development plans.

- Lead study team from trial initiation to completion.
- Plan and manage operational plans including risk-mitigation strategies, trial budgets, study timelines, and quality standards.
- Develop trial documents in collaboration with study team.
- Work with study team to conduct ongoing reviews of clinical trial data.
- Contribute scientific input for development of study reports, data tools, and statistical plans.
- Provide operational expertise and leadership to ensure feasibility and execution of clinical trials.
- Identify and select vendors and perform ongoing vendor management.

Note: Therapeutics Development Fellowship at Biogen comprises Clinical Development, Global Clinical Operations, and Analytics and Data Sciences. Analytics and Data Sciences is responsible for integrating innovative approaches to accessing and analyzing data in drug development.

CLINICAL DOCUMENTATION (REGULATORY MEDICAL WRITING)

Responsible for producing clinical documents required by the U.S. Food and Drug Administration and other government agencies worldwide to report the outcomes of clinical studies and support drug approval.

- Collaborate with cross-functional teams to produce high-quality clinical documents that meet regulatory requirements. Documents include protocols, investigator brochures, clinical summary modules, and clinical study reports.
- Meet content, format, and navigational requirements by leading cross-functional teams through the writing, review, and approval process.
- Facilitate the assembly, compilation, and completion of documents needed to initiate clinical studies.

CLINICAL RESEARCH PHARMACY

Responsible for enhancing patient safety through the implementation of patient-focused tools that improve the use of investigational products (IPs) at clinical sites and at home.

- Develop strategies to promote and monitor patient adherence to investigational therapies.
- Author, review, and approve clinical study documents relating to IP handling.
- Participate in the development of tools that will enhance clinical trial data integrity and maintain regulatory compliance.

ANISHA POLA PharmD

Global Patient Safety Evaluation Fellow
MCPHS/Takeda, 2021–2023

Current Position: Senior Principal Pharmacovigilance Scientist, Takeda Oncology

"My experience as a fellow was transformative, offering hands-on involvement in impactful projects that directly shape the pharmaceutical landscape. Working alongside invested mentors and leveraging unparalleled resources gave me the skills and confidence to solidify my passion for safety.

In tandem, the academic collaborations with MCPHS enriched my journey—developing skills in teaching, mentoring, and research that have made me a more well-rounded professional. Moreover, being part of the MCPHS Fellows Network expanded my professional connections, creating a vast and invaluable network of leaders and peers across the industry. This fellowship wasn't just a stepping stone; it was the foundation for a thriving career."

ANNA PRISCO PharmD, RPh

Global Regulatory Science Fellow, MCPHS/Moderna, 2022–2024

Current Position: Manager, Regulatory Strategy, Rare and Autoimmune, Moderna

"My fellowship experience provided meaningful opportunities to apply scientific knowledge in an industry setting, contribute to cross-functional projects, and gain a deeper understanding of drug development. Being part of the MCPHS Fellows Network enriched my experience even further by offering a strong sense of community, opportunities for collaboration and peer learning, and lasting professional connections. The combination of impactful work and a supportive network helped shape both my personal and professional growth."

CLINICAL SUPPLY CHAIN

Responsible for leading the development and execution of supply strategies for investigational products (IPs), from first in human trials to commercialization.

- Collaborate with a cross-functional team to direct the development, production, and distribution of IP materials.
- Optimize supply strategies to manage the dynamic changes that occur during clinical development.
- Provide feedback and review of key study documents that influence clinical trial design, product strategies, and site-facing resources.
- Forecast and manage IP inventory to ensure supply continuity.
- Ensure study document accuracy while remaining in alignment with regulatory and quality requirements.
- Coordinate development of IP labels and finished goods packaging that promote ease of use by sites and study participants.
- Monitor study risks related to clinical supply to identify and mitigate potential issues.

DRUG SAFETY AND PHARMACOVIGILANCE

Accountable for analyzing the safety profile of company products over the entirety of each product's life cycle.

- Evaluate and communicate the risks associated with each product so that the company, healthcare professionals, and patients are able to make informed healthcare decisions.
- Detect, assess, and report adverse events from clinical trials and postmarketing safety surveillance.

- Collaborate with other functional areas to provide safety information that will shape investigative and postmarketing activities.
- Identify safety signals and determine the necessity of updating product labeling.
- Provide ongoing safety updates to health authorities through periodic aggregate safety reports and ad hoc requests.
- Develop risk-management plans to describe how the company will monitor and minimize risks associated with each product.

GLOBAL COMMERCIAL STRATEGY

Responsible for the development and execution of global commercial strategies and supporting marketing materials necessary for realization of brand goals.

- Create and refine product and disease value messaging to drive brand success throughout various stages of product life cycle.
- Increase brand awareness through coordinated marketing opportunities at global conferences and disease awareness campaigns.
- Lead the cross-functional core team in the development and execution of brand strategy.
- Identify marketing opportunities and areas of unmet need through execution of global market research initiatives.
- Gather and analyze competitive intelligence insights to support the brand within the context of the evolving market landscape.
- Engage with patient advocacy organizations to better understand the needs of patient communities.
- Provide commercial assessments for new and existing therapies that may complement the company's current portfolio.

ZACH KOGUT PharmD, RPh

Clinical Supply Strategy and Management, MCPHS/ Pfizer, 2019–2021

Current Position: Associate Director, Clinical Supply Chain, Agios Pharmaceuticals

"Looking back over my time as a fellow, I appreciate the strong foundation that I was able to build during my first role in the industry. In my functional area, I received guidance and coaching as I learned the ins and outs of the new role. Cross-functionally, I was able to engage with a variety of colleagues with different focuses, and I built connections with co-fellows that have lasted well beyond graduation. The fellowship network also played a major role in helping me identify and successfully land the role I currently have.

When I made the transition to a full-time position, I was able to join my new team confident in my abilities. I was prepared to collaborate with my colleagues and take on projects, which quickly established me within my department. At this point I couldn't imagine myself doing anything different."

ANTHONY RIZK PharmD, MBA

Global Drug Safety Fellow, MCPHS/Biogen, 2021–2023

Current Position: Senior Manager, Clinical Safety Scientist, Moderna

"The MCPHS fellowship in Global Drug Safety at Biogen gave me a strong foundation in pharmacovigilance and real-world industry experience. It set the tone for my career and helped me develop confidence in safety-related decision-making and risk management. That experience continues to guide how I think about patient safety and scientific collaboration across the drug development lifecycle."

GLOBAL MEDICAL INFORMATION

Responsible for responding to unsolicited requests for medical and clinical information about marketed products and products in development as well as disease/diagnosis-related questions received from healthcare professionals, patients/consumers, and public and private payers.

- Develop a strong understanding of the therapeutic area and develop product expertise including but not limited to general product information, efficacy, safety information, adverse effects, drug interactions and concomitant use, pharmacokinetics and pharmacodynamics, dosing and administration, use in special populations, and pharmacoeconomics.
- Develop the skills to evaluate scientific data and literature effectively.
- Develop medical information response documents to respond to medical inquiries.
- Attend and staff medical information booths at medical congresses.
- Collaborate with cross-functional teams and departments, including legal, regulatory, scientific communications, global medical affairs, medical science liaisons, pharmacovigilance, medical/clinical review, marketing, and other departments, to develop and obtain approval of global medical information resources.

MEDICAL AND VALUES-BASED OUTCOMES

Responsible for fostering ongoing professional relationships with key population-based healthcare decision makers to provide comprehensive medical education and collaborative research opportunities to ensure proper coverage and access to pharmaceuticals for patients. Also responsible for seeking to improve patient care in an evolving and increasingly cost-conscious healthcare environment.

- Create and communicate medical value propositions to population-based healthcare decision makers.
- Conduct real-world or health-economic research initiatives in partnership with both internal colleagues and external stakeholders.
- Present at congresses and partake in field rides with the medical outcomes science liaison team.
- Consistently work to be a trusted partner within the team.

MEDICAL AFFAIRS

Responsible for acting as an internal medical and scientific expert to train, educate, and ensure material accuracy and integrity by generating data, providing medical education, and communicating insights to address unmet medical needs.

- Work with cross-functional teams on the development and approval of core clinical material (e.g., field slide sets, abstracts, manuscripts, posters).
- Build scientific relationships and collaborate with key opinion leaders, payers, and midlevel practitioners via advisory boards, investigator meetings, and field visits in order to further develop the medical strategy.
- Educate the medical team and sales forces on the drug and disease state and provide them with scientifically accurate, balanced information to communicate to stakeholders.

- Aid in the implementation of an appropriate publication strategy, provide ideas for generating manuscripts of scientific interest and commercial value, and write and review manuscripts and abstracts with appropriate clinical messages.

QUALITY ASSURANCE

Responsible for providing quality oversight of issues that impact patients across the quality system in both an operational and a strategic capacity. Quality Assurance serves at the interface of current standards such as good manufacturing practice and good clinical practice from early phase through postapproval surveillance studies.

- Conduct reviews of internal and external processes for ensuring compliance with regulatory standards and requirements, protecting the company's reputation, and ultimately promoting continuous improvement.
- Support the process and documentation for the preparation of investigational products at clinical sites.
- Manage investigations and complaints for product-related issues to identify root causes and appropriate resolutions.
- Promote a robust quality culture across the entire organization.

ABIMBOLA COLE PharmD, MPH

Global Pharmacovigilance Fellow,
MCPHS/Takeda, 2017–2019

Current Position: Team Lead, Scientific Director – Pneumoccocal Vaccines, SERM

"Pursuing a fellowship after completing my PharmD degree was one of the best choices I made. My fellowship experience gave me a strong foundation in industry and provided me with numerous opportunities that allowed me to grow both professionally and as an individual. Through interactions and participation with various interdisciplinary teams at Takeda, and professional development provided by MCPHS University, I finished the fellowship with skills and experiences that surpassed what is expected of one in the industry for just two years."

REGULATORY AFFAIRS

Responsible for providing regulatory strategy and guidance for global developmental and commercial programs.

- Collaborate with and lead cross-functional teams to develop appropriate regulatory strategies from preclinical to postmarketing stages.
- Facilitate and compile submissions to health authorities, such as investigational new drug applications/clinical trial applications, new drug applications/biologics license applications/ marketing authorizations, annual reports, orphan drug designation applications, and amendments.
- Support and/or lead interactions between the company and health authorities.
- Support, create, and/or coordinate the development of study documents and product labeling.
- Review and approve advertising and promotional material (advertising/promotion regulatory fellowship).

U.S. MARKETING

Responsible for acting as the medical point person on marketing plans, training efforts, and strategy execution while applying clinical insights within the marketing function.

- Contribute to market landscaping related to new technologies and assist in shaping the medical marketing strategy.
- Lead innovative marketing projects intended to drive business forward and educate patients and healthcare providers on proper use of technology.
- Translate pertinent clinical study results into marketing and educational tools.

U.S. MEDICAL MANAGED CARE

Gain advanced experience in U.S. payer access and the evolving payer models, including pharmacy benefit managers, health maintenance organizations, Medicare, Medicaid, and other healthcare decision makers.

- Establish and foster ongoing professional relationships with key managed-market decision/policy makers to provide comprehensive medical education and health outcomes solutions.
- Support the Medical Managed Care team during field customer engagements and provide insights to internal stakeholders on key evidence gaps relevant to specific accounts.
- Work with cross-functional colleagues on health-economic data communication and identify opportunities for cross-functional collaborations.
- Identify and facilitate health-outcomes research or educational opportunities and contribute to the design and execution of patient outcomes and medical economics strategy.

MCPHS FELLOWSHIP NETWORK (MFN)

The MCPHS Biopharmaceutical Fellowship emphasizes not only personal and professional development but the creation of lasting connections. The MCPHS Fellowship Network, or MFN, brings together program directors, industry preceptors, current fellows, and program alumni to forge bonds that extend far beyond the one- or two-year fellowship appointment. The dedicated and diverse group of alumni take an active role in mentoring current fellows—a testament to the strength of the network. The MFN has created a launch pad for successful careers in the industry for pharmacists of all backgrounds while affording numerous opportunities for lifelong friendships to be made along the way.

CONNECT WITH US

FELLOWSHIP BLOG

The fellowship blog features articles by the MFN. It serves as a resource to learn about the fellowship program and raises awareness about the importance of involving pharmacists in the biopharmaceutical industry. It is also the easiest way to get up-to-date information about fellowship events, recruitment, and more. Scan the QR code to link to the fellowship blog or visit **www.mcphsfellowship.com**.

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AFFILIATED COMPANIES:

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ALEXION
AstraZeneca Rare Disease

BICARA THERAPEUTICS

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moderna

NOVARTIS

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Takeda

TRAVERE THERAPEUTICS

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