Rutgers, The State University of New Jersey & Bristol Myers Squibb

Physician Pharmaceutical Fellowship Program

2022 - 2023
The Rutgers & Bristol Myers Squibb Physician Pharmaceutical Fellowship Program

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I’m excited about our BMS Physician Fellowship Program in collaboration with Rutgers University. It offers post-doctoral graduates the opportunity to gain valuable industry knowledge and work experience through a one-year training program that empowers them as future leaders.”

Nick Botwood, MD
Senior Vice President, US Medical
The Rutgers & Bristol Myers Squibb Physician Pharmaceutical Fellowship Program

Program Description

- A one-year program, consisting of 6-month rotations in:
  - US Medical and Clinical Development or
  - WW Medical and Worldwide Patient Safety

- Mentorship by industry leaders across clinical trial research, epidemiology, health economics and outcomes research, and medical strategy.

- In addition to “real life” participation as a contributing team member at BMS, fellows will benefit from monthly professional development sessions at Rutgers University.

Benefits

- Key insights and training to lead a successful career in biopharmaceuticals and drug development.

- Exposure to the drug development process including clinical trial planning and execution, safety monitoring, and medical strategy globally and across major markets.

- Participate in clinical conferences in Oncology or Immunology and other training opportunities.

- Mentorship and networking with leaders in the industry.
6-Month Rotational Responsibilities

Clinical Development

Late Stage Clinical Development is responsible for the architecture of clinical trial concepts, protocol development, study start up, study execution, data cleaning, clinical interpretation of data, publication contributions, and clinical resource for regulatory filings and queries.

- Align clinical development strategy with Development Team Leadership.
- Develop innovative trial design options within designated tumor/asset team with expectations to support global regulatory filings.
- Serve as resource for investigators on patient eligibility, safety, and protocol questions.
- Partner cross-functionally with early stage Clinical Development, Medical, & Commercial.

U.S. Medical

US Medical Affairs plays a critical role in forging broadly aligned tumor strategies, translating them into tactical plans, and leading the execution of these plans.

- Collaborate with Global Drug Development (GDD) and Worldwide Medical in the development of long-term tumor strategies that include understanding emerging trends, anticipate future obstacles, risks, and business opportunities.
- Identify data gaps, develop strategies for US non-registrational data generation, and lead the approval and execution of investigator sponsored research.
- Partner with US Commercial & Access organizations to integrate medical perspectives into commercialization process and ensure appropriate alignment between Medical and Commercial.
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6-Month Rotational Responsibilities

Worldwide Patient Safety

- WW Patient Safety (WWPS) is responsible for providing strategic oversight and delivery of medical safety assessment to enable development and optimal use of BMS medicines through innovative pharmacovigilance and risk management.
- Support management team (SMT) and safety data review (SDR) meetings.
- Signal detection, signal assessment, and any resultant activities such as revisions to core safety information.
- Risk management activities, including risk strategies for assets in all phases of development and lifecycle.
- Review and provide direction for strategic decisions guiding aggregate and ad hoc safety report content.
- Participate in WWPS process improvement projects.

Worldwide Medical

- Launch planning and launch readiness coordination with markets
- Strategic planning and review of key publications (clinical, HEOR, and TM)
- Development and delivery of WWFM training and
- Development and review of content resources
- Development and planning of symposia
- Planning, logistics, and content development for advisory board(s) and TL encounters
- Review of key medical insights and dissemination to core team
- Strategic review of investigator-led research proposals
- Strategic input into clinical development plan and trial planning
- Strategic alignment with HEOR for dossier and key data deliverables to support access
- Cross-functional collaboration & participation across the matrix
- Involvement within the Melanoma Tumor Strategy Team
- Participation within Data Generation Pillar work stream (if desired)
- Networking for development across key stakeholders and functional areas
Hear what **past fellows** have to say...

“Aaron Ciner

“During my fellowship at BMS within US Medical Affairs and Clinical Development, I have actively participated in drug launch activities, review of investigator-sponsored trial proposals, protocol writing and monitoring of industry-sponsored trials, and data analysis. This is a hands-on experience offering broad exposure to the pharmaceutical industry, supportive mentorship and networking opportunities. I highly recommend it to anyone interested in learning more about the industry or considering a career in pharma.”

Aaron Ciner, MD | US Medical Oncology & Global Oncology Clinical Development Fellow 2020-2021

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“Hina Khan

“I had a terrific experience during my fellowship year which was focused on Medical Affairs and Clinical Development. It was really exhilarating and highly motivating to work in an environment where everyone is so dedicated and passionate and to learn about drug development with the support of great preceptors, mentors, and co-fellows. I would highly encourage those interested in an alternative career path and with an interest in industry to apply for this well-tailored and rewarding opportunity.”

Hina Khan, MD | US Medical Oncology & Global Oncology Clinical Development Fellow 2019-2020

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“Grace Crocket

“The most refreshing part of the Rutgers Pharmaceutical Industry Fellowships program was the willingness of my preceptors and colleagues to teach me about industry. Even since completing fellowship, I recognize in my peers a genuine enthusiasm for bringing medicines to market and making Bristol Myers Squibb the best company in the industry.”

Grace Crocket, MD | US Medical Strategy Fellow 2018-2019

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Physician Fellowship Opportunities in the Pharmaceutical Industry
Rutgers Pharmaceutical Industry Fellowship Program
Ernest Mario School of Pharmacy

PROGRAM HISTORY

In 1984, at Rutgers, The State University of New Jersey, the Ernest Mario School of Pharmacy and two pharmaceutical companies began a collaborative pilot program to evaluate the potential contributions of clinically-trained pharmacists within a pharmaceutical industry practice setting. Following the successful pilot, the Rutgers Pharmaceutical Industry Fellowship (RPIF) Program grew significantly and expanded to include 21 companies within the pharmaceutical and biopharmaceutical industry and approximately 300 Fellows.

In 2002, Dr. Ernest Mario generously provided an endowment to establish the Institute for Pharmaceutical Industry Fellowships to enhance and promote the role of pharmacists in industry through the RPIF Program. The Institute staff members:
- provide leadership and administrative support;
- promote quality, communication, and scholarly activity; and
- arrange specialized fellowship training opportunities within the pharmaceutical and biopharmaceutical industry.

In 2018, our Program leveraged this successful track record to expand, offering interdisciplinary Fellows’ training by adding select physician fellowship opportunities to our well-established program.

The RPIF Program has thrived under the leadership of the founder, Dr. Joseph A. Barone, Dean and Professor II of the Ernest Mario School of Pharmacy, Dr. Carolyn Seyss, the Director for the Institute for Pharmaceutical Industry Fellowships, and Dr. Michael Toscani, Director Emeritus.

More than 1,300 post-doctoral fellows have completed the RPIF Program, most of whom are experiencing influential and rewarding careers in the pharmaceutical and biopharmaceutical industry throughout the US and abroad. The RPIF Program has preceptors and mentors from industry who share their knowledge and experiences with the fellows through an intense but closely-guided training program. Assignments and projects are challenging, meaningful, and designed to enhance understanding of the pharmaceutical and biopharmaceutical industry and the fellow’s functional area(s). Our goal is to provide the environment for fellows to build the foundations for their careers as future leaders in the industry.
The Rutgers Pharmaceutical Industry Fellowship Program FOSTERs the growth and development of future pharmaceutical and biopharmaceutical industry professionals and leaders through the following key program features:

**Family of Leading Companies** — Partners include several of the top global pharmaceutical and biopharmaceutical companies.

**Outstanding Alumni Track Record** — Over 1,300 alumni hold prominent positions at many leading companies.

**Strong Network** — Fellows develop valuable, lasting connections with each other, alumni, Preceptors, and faculty.

**Rusted and Proven Since 1984** — the Rutgers Fellowship Program is nationally recognized, trusted, and proven as the key pathway to industry for pharmacists as future leaders.

**Enhanced Career Development** — Breadth of experiences informs career path choices and increasingly challenging assignments build depth of experience, enhancing the potential for accelerated career paths.

**Rigorous Academic Component** — Rutgers affiliation provides academic and professional development opportunities. Fellows receive adjunct faculty appointments at the Ernest Mario School of Pharmacy at Rutgers University.

Rutgers, The State University of New Jersey, with over 71,000 students in its three campuses, is one of the major state university systems in the United States. The New Jersey College of Pharmacy was founded in 1892 and was incorporated into the University in 1927. The Ernest Mario School of Pharmacy is part of Rutgers Biomedical and Health Sciences. The Rutgers Ernest Mario School of Pharmacy is located on the University’s main science and technology campus in Piscataway, New Jersey. Because of its relationship with and, for most, close proximity to the nation’s leading pharmaceutical and biopharmaceutical companies, the Ernest Mario School of Pharmacy and the RPIF Program are uniquely capable of providing fellows with advanced training in the pharmaceutical and biopharmaceutical industry.

**KEY PROGRAM FEATURES**

All fellows gather once monthly as a group to participate in the Professional Development Day (PDD) series, an important component of their training that complements the hands-on experience provided at the partner companies. The PDDs are steered by a committee of fellows and are designed to enhance the fellows’ leadership skills such as emotional intelligence, communication, critical decision making, and presentation skills. Fellows develop skill sets under the guidance of external trainers. PDDs also provide general knowledge about various aspects of drug development/commercialization and issues facing the pharmaceutical and biopharmaceutical industry and promote connectivity and a sense of community among fellows and alumni from different companies and disciplines.

The fellows can learn from each other through individual and group presentations and debates on topics and issues related to the pharmaceutical and biopharmaceutical industry. The dynamic forum of PDD provides an opportunity for open discussion and debate among fellows, Rutgers faculty, and company preceptors. In addition, outside experts provide training and professional development in a variety of areas (e.g., tools for corporate success; professional writing, presentations, meeting facilitation, negotiating, influencing, networking, and conflict resolution skills; giving and receiving feedback; and business and dining etiquette). Other PDD guest speakers include senior industry executives, patient advocacy groups, and successful RPIF Program alumni who share their insights and experiences. Importantly, PDDs provide an excellent opportunity for Fellows to interact with each other and develop lasting personal friendships and a strong professional network of fellows, faculty, alumni, and other industry executives.
APPLICATION PROCESS

Physician Fellows for the Rutgers Pharmaceutical Industry Fellowship Program are selected on a nationally competitive basis. Candidates must have an M.D. or D.O., with clinical experience such as completed Residencies or Fellowships preferred.

HOW TO APPLY:
Interviewing is conducted on a rolling basis. Interested candidates may submit their application and supporting materials (letter of intent, curriculum vitae, and three (3) letters of recommendation) during October 2021 by visiting our website at:

https://pharmafellows.rutgers.edu/physicians/

All application materials must be submitted electronically to the RPIF website.

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<tr>
<th>Required items</th>
<th>Deadline*</th>
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<tr>
<td>Letter of intent (LOI)</td>
<td>November 1st</td>
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<tr>
<td>Curriculum Vitae (CV)</td>
<td>November 1st</td>
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<tr>
<td>3 Letters of Recommendations (LORs)</td>
<td>December 5th</td>
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*Candidates are considered on a rolling basis. Submission of materials prior to the deadline is strongly encouraged.

Your Letter of Intent and Letters of Recommendation should be addressed to:

Joseph A. Barone, PharmD, F.C.C.P.
Dean and Professor II
Ernest Mario School of Pharmacy
Rutgers, The State University of New Jersey
160 Frelinghuysen Road
Piscataway, NJ 08854-8020