Sanofi Pasteur, the vaccines division of Sanofi, is the largest company in the world devoted entirely to human vaccines. Our driving goal is to protect people from infectious diseases by creating safe and effective vaccines.

Our credo is a world in which no one suffers or dies from a vaccine-preventable disease. Our company offers a broad range of vaccines across the world, providing protection against 20 bacterial and viral diseases. We distribute more than 1 billion doses of vaccine each year, making it possible to vaccinate more than 500 million people across the globe.

A world leader in the vaccine industry, Sanofi Pasteur produces a portfolio of high quality vaccines that matches its areas of expertise and meets public-health demand. The company’s heritage, to create vaccines that protect life, dates back more than a century.
Program Overview

In partnership with Wilkes University, Nesbitt School of Pharmacy, the Sanofi Pasteur one-year Industry Pharmacy fellowship program is a comprehensive experience for Doctor of Pharmacy graduates to gain exposure in pharmacovigilance for vaccines. The Swiftwater, PA, site offers a beautiful campus in the scenic Pocono Mountains and a unique opportunity to encounter the full life cycle of a vaccine from early stages of research and development to manufacturing and post-marketing surveillance. With headquarters in Lyon, France, the Fellow will interact with colleagues at a global level. The Fellow will also gain exposure to other functional areas based on individual interest including Pharmacoepidemiology, Signal Detection, Regulatory Affairs, Medical Affairs, Clinical, and Biostatistics. The Fellow is appointed as adjunct faculty at Wilkes University. Academic opportunities include didactic teaching, precepting pharmacy students, distinct presentations, and projects. The Fellow will be a primary resource to the student chapter of Industry Pharmacists Organization (IPhO).
Pharmacovigilance

The pharmaceutical industry is responsible for the monitoring, assessment and communication of safety information throughout a product’s lifecycle. The activities associated with this responsibility are referred to as pharmacovigilance. At Sanofi Pasteur, the Global Pharmacovigilance and Epidemiology (GPE) Department is responsible for these activities. The aims of pharmacovigilance are to enhance patient care and safety in relation to the use of pharmaceutical products by ensuring that emerging safety signals are proactively identified and appropriate actions are taken to ensure the benefit/risk profile remains favorable. Pharmacovigilance is a growing and thriving field within the pharmaceutical industry as regulations continue to expand and evolve and the need for knowledgeable and qualified personnel increases.

Goal

To provide the Fellow with training and experiences in global pharmacovigilance that will prepare them for a challenging and rewarding career in the pharmaceutical industry.

Objectives

During this one-year program, the Fellow will:

- Understand the mission of a pharmacovigilance department and the role of GPE in clinical development and product lifecycle management
- Become knowledgeable in current global pharmacovigilance regulations and guidelines, including US and European regulations
- Develop the ability to think strategically with a global pharmacovigilance and regulatory perspective
- Expand his or her medical and scientific knowledge of products within various therapeutic areas
- Actively participate in:
  - Safety surveillance and signal detection
  - Risk management
  - Preparation of various regulatory documents (e.g. Periodic Safety Reports, Product Label Updates, and Risk Management Plans)
Unique Components

**Transition & Integration.** An on-boarding period is provided early in the fellowship to ease the transition of the Fellow into a pharmaceutical company with global reach. Once the learning objectives are met and initial trainings are completed, the Fellow will have the opportunity to gain knowledge on topics ranging from Audit Readiness to Zika Virus. Throughout the program, the Fellow is mentored by a dedicated team.

**Knowledge.** The Fellow will acquire a comprehensive foundation of the major concepts of pharmacovigilance, including global regulations and guidelines applicable to adverse event reporting, signal detection, and risk management. The Fellow will be able apply their newly acquired knowledge to make visible and meaningful contributions to professional project teams.

**Teamwork.** The Fellow will contribute to global projects involving multi-disciplinary teams.

**Communication.** The Fellow will have opportunities to strengthen interpersonal skills by interacting with colleagues of diverse backgrounds. The Fellow’s ability to clearly articulate thoughts and concepts effectively will be fortified through these interactions, as well as through regular professional presentations at Sanofi Pasteur and Wilkes University.

**Technical Skills.** The Fellow will learn about globally recognized pharmacovigilance tools. The Fellow will also become familiar with the company safety database, signal tracking system, and electronic document archival system. Their ability to critically analyze and interpret scientific and clinical information, as well as their medical writing skills, will be refined.

**Networking.** The Fellow will be introduced to Sanofi colleagues in Bridgewater, NJ, and Genzyme colleagues in Cambridge, MA, and encouraged to foster professional connections, both locally and globally.
Wilkes University, Nesbitt School of Pharmacy, provides an academic environment to guide and support Fellows to align with our strategic values of teamwork, professionalism, lifelong learning, cultural competency, personalized attention, and community engagement.

Wilkes University Fellowship Directors

**Bernard Graham, PhD**

Bernard Graham is a professor and the founding Dean of the Nesbitt School of Pharmacy. The first class graduated in 2000 and he assumed the deanship of the Nursing program in 2003. The Nursing program was set up as a separate School, with a new Dean, in 2014. From 2005 to 2007, he served as interim Provost of the University. He earned a BS in Pharmacy from the Albany College of Pharmacy and a MS and Ph.D. from Purdue University. He has been a registered pharmacist in three states, a Board Certified Health Physicist, and has authored many scholarly works and delivered numerous presentations. He has participated in eight non-sectarian medical missions in Guatemala and has served on several ACPE site accreditation visits.

**Edward Foote, PharmD, FCCP, BCPS**

Edward Foote joined the Wilkes faculty in 2000 as an Associate Professor of Pharmacy Practice. Previously, he was on faculty at the School of Pharmacy, Rutgers, The State University of New Jersey. Dr. Foote’s professional interests include pharmacokinetics, nephrology, and pharmacy education. Most recently, he has become a leader of interprofessional education (IPE), having spent a sabbatical at the Commonwealth Medical College during the 2012-2013 academic year. He has published over 70 book chapters, articles, and abstracts. Dr. Foote assumed the position of Department Chair in 2003 and was promoted to Professor in 2007.
Application Process

Eligibility Requirements. Applicants must have a Doctor of Pharmacy degree from an ACPE accredited college of pharmacy. Candidates must have strong written and verbal communication skills and an interest in pursuing a career in the biopharmaceutical industry. The Fellowship will commence June 2017.

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

Application Procedure. Formal application materials listed below must be received in PDF format by April 7th, 2017 via VaccinePVFellowship@sanofi.com:

- Curriculum vitae
- One letter of recommendation
- One writing sample
- One PowerPoint presentation

Applicants will be notified of status and interviews will be scheduled following review of materials.

Contact Information. For more information, please correspond with:
- Philip Loscombe, PharmD, Fellowship Director
- Owen Haney, PharmD, Preceptor
- Tamala Mallett Moore, MD, Sponsor
- Michal Borawski, PharmD, Mentor