Postdoctoral Research Fellow – Next-Generation Predictive Technology

Be a Part of the Legacy in the Merck Postdoctoral Research Fellow Program

Our Research Laboratories’ Postdoctoral Research Fellow Program aims to be a best-in-industry program for industrial postdoctoral researchers, designed to provide you with an academic focus in a commercial environment. With the resources, reach, and expertise of a large pharmaceutical company, postdoctoral researchers will be positioned to excel in an institution committed to breakthrough innovation in research and discovery.

Position Overview:

We are looking for a highly driven and motivated post-doctoral scholar who will spearhead transformative innovations in machine and deep learning in the biopharmaceutical drug product development space. The advent of machine learning has created exciting new opportunities to improve drug products and positively impact the lives of patients. The integration of these new data technologies into the R&D landscape requires further study. The scholar will work in a highly dynamic environment at the interface of drug product development and data science. The scholar will develop innovative predictive solutions to pressing problems encountered in drug development of next-generation therapies for cancer, infectious diseases, and other areas.

Application:


The application deadline is March 13, 2020.

Responsibilities:

Responsibilities include but are not limited to the following:

- Bridge data science solutions to pertinent problems in drug product development.
- Collaborate extensively cross-functionally and cross-departmentally to bring new innovations to bear, by motivating a diverse group of collaborators to leverage their unique skillsets.
• Leverage computer tools and software to develop new algorithms, which will take advantage of existing knowledge as well as involve paced self-learning of new tools.
• In developing new capabilities, establish multiple peer-reviewed references in the form of manuscript publications.

Education Minimum Requirement
Candidates must currently hold a PhD OR receive a PhD by fall.

Preferred Experience and Skills:
• A strong interest and high comfort level with computers and software technology
• Track record of strong work ethic and high research productivity
• High flexibility and adaptability to further develop and learn new skills in a dynamic work environment
• Exhibiting a “can do” attitude and willingness to tackle challenges head-on
• Strong track record in external publication and effective writing skills
• Direct data analytics, machine, or deep learning experience is a plus
• Direct pharmaceutical experience is a plus
• Direct image analysis experience is a plus
• Most importantly, a strong passion to drive cutting edge science and collaborations for the benefit of patients around the world

More Information about Merck

We are a research-driven biopharmaceutical company. Our mission is built on the simple premise that if we “follow the science” and that great medicines can make a significant impact to our world. And we believe that a research-driven enterprise dedicated to world-class science can succeed by inventing medicine and vaccine innovations that make a difference for patients across the globe.

Who we are …
Merck & Co., Inc., Kenilworth, New Jersey, USA is known as “Merck” in the United States, Canada & Puerto Rico. We are known as “MSD” in Europe, Middle East, Africa, Latin America & Asia Pacific. We are a global biopharmaceutical leader with a diverse portfolio of prescription medicines, oncology, vaccines and animal health products. We are driven by our purpose to develop and deliver innovative products that save and improve lives. With 69,000 employees operating in more than 140 countries, we offer state of the art laboratories, plants and offices that are designed to Inspire our employees as we learn, develop and grow in our careers. We are proud of our 125 years of service to humanity and continue to be one of the world’s biggest investors in Research & Development.

What we look for …
In a world of rapid innovation, we seek brave Inventors who want to make an Impact in all aspects of our business, enabling breakthroughs that will affect generations to come. We encourage you to bring your disruptive thinking, collaborative spirit and diverse perspective to our organization. Together we will continue Inventing For Life, Impacting Lives while Inspiring Your Career Growth.

INVENT.
IMPACT.
INSPIRE.