**Postdoctoral Fellow: Bioinformatics #1806647**

The Postdoctoral Program is designed for true investigational and experimental research. Participants will be mentored by renowned industry scientists and collaborators at AbbVie and focused on delivering cutting-edge advancements in Discovery, Development Sciences and BioPharma. The enriching training program offers a balance of structured learning and work experience which fosters a learning environment to advance individual development with accessibility to high-level knowledge building across the drug development continuum
Technical expert that will investigate, identify, develop and optimize new methods/ techniques to address critical project needs. Continuously seek to improve existing laboratory methods and processes. Read and adapt literature to accomplish assignments. Demonstrate mastery of broad range of experimental techniques and methods of data analysis.

To be successful, we need outstanding individuals willing to challenge themselves to find the best solutions for our patients. The AbbVie Postdoc program is one way we are doing just that.

Through our Postdoc program, we are hiring postdocs from key academic institutions for preferred areas of science in the U.S., while providing a unique opportunity for participants to build a solid career foundation in the pharmaceutical industry while building the AbbVie brand as an employer of choice for scientific talent. The program offers a balance of structured learning and work experience, with accessibility to high-level knowledge building across the drug development continuum. The assignment is expected to be two years minimally and up to three years.

**Background:**

We are looking for the incoming class of 2018/2019 Post Doc’s to join AbbVie as the company is positioning itself for another year of significant growth and advancement of patient-driven science and strategic therapeutic priorities. We have an exceptional Postdoctoral opportunity in our Investigative Toxicology and Pathology Group reporting to a Lead computational toxicologist based in North Chicago, IL. In a collaborative, resource rich environment, you and your scientific mentor will be exploring key areas of novel research to publish in top-tier scientific journals.

**Scientific Focus:**

At AbbVie, Preclinical Safety is responsible for all aspects of Toxicology, Pathology, and Comparative Medicine. We partner with Discovery teams to select and investigate new targets and lead molecules, and work with project teams to develop and execute non-clinical safety development plans that support projects from pre-IND through registration and post-marketing phases. Within Preclinical Safety, this position will collaborate with a large number of scientists from Development Sciences and Discovery, thereby providing exposure to a diverse and exceptionally talented group of fellow collaborators.

**Key Responsibilities Include:**

* Independently develop and apply machine learning (ML) algorithms to a number of toxicology related endpoints– examplesinclude drug off-targets, toxicity biomarkers, histopathology, drug-protein adverse interactions and transcriptomics
* Integrate and interrogate large scale data from pre-clinical studies to support new therapeutic discovery and development programs.
* Act as an internal resource ML. Think creatively to integrate deep learning techniques into in vitro/in vivo/in silico analysis workflows and champion new developments in the area of deep learning for computational assessment of target pharmacology.
* Collaborate with peers and cross-functional experts to rapidly advance agile, impactful, and cost-effective solutions.
* Passion for solving technical problems and applying new technologies to further scientific goals.
* Expected to work in research teams, to be member of the scientific community by publishing in top-tier conferences and journals, and collaborate with peer researchers

**Basic Qualifications:**

* PhD in Computational Biology, Bioinformatics or Computational Chemistry or a related discipline.
* Excellent problem-solving skills including critical and analytical thinking.
* Demonstrated ability in one or more programming languages like Python, Java or R
* Exceptional ability to clearly communicate ideas and findings to both technical and non-technical audiences.
* Demonstrated ability to independently design and execute computational experiments, interpret data, and identify appropriate follow-up strategies.
* Proven track record of teamwork, adaptability, innovation, initiative, and integrity.
* Excellent interpersonal skills - enthusiastic about sharing knowledge and collaborating with other teams.
* Demonstrated ability to learn, understand and master new technologies.
* Strong written and oral communication skills

**Key Leadership Competencies:**

* Builds strong relationships with peers and cross functionally with partners outside of the immediate team to enable higher performance
* Learns fast, grasps the "essence" and can change course quickly where indicated
* Raises the bar and is never satisfied with the status quo
* Creates a learning environment, open to suggestions and experimentation to drive the science in the field of interest
* Embraces the ideas of others, nurtures innovation and manages innovation to reality

* APPLY: https://abbvie.referrals.selectminds.com/jobs/search/1829263
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