Life Sciences Data Scientist
Job Description and Responsibilities

Job Description:
The Indiana Biosciences Research Institute (IBRI) is aggressively pursuing its vision to become a leading center of discovery and translational science in the areas of metabolic disease, obesity, diabetes, and nutrition. The IBRI is initiating its research mission in 2016 and over the next five to eight years, it plans to grow its research-focused organization to more than 200 researchers and supporting staff. The IBRI is currently operating in 25,000 square feet of temporary office and research space and anticipates moving to a larger, state-of-the-art research facility in the 16 Tech Innovation Community on the Northwest side of downtown Indianapolis in 2018.

The Life Sciences Data Scientist is the first hire in the Applied Data Sciences group at IBRI and reports to the Director of Applied Data Sciences. Your primary responsibility in this role will be to assist in developing the Applied Data Science Core Laboratory at IBRI through direct project identification, initiation, and data/computational analysis work with IBRI’s corporate and government stakeholders and professional resources and services providers. In this role, you will have the opportunity to be exposed to the breadth of possible problems, life sciences/health data, and technologies to drive projects at the forefront of innovation in Indiana’s robust life sciences industry.

If you have a passion to learn and challenge yourself, this is a unique opportunity to be a critical member of a small team growing this high profile Institute in Indianapolis. You will have the opportunity to build a strong network and gain experience in the technology and life sciences research sectors in Indiana.

Roles and Responsibilities:

• **Data Integration, Analysis, and Visualization** – use your expertise working with IBRI’s partners and service providers on specific applied data science projects to meet the project’s defined timeline and deliverables.

• **Project Identification/Proposals** – work with the Director of Applied Data Sciences to identify new potential project opportunities with the IBRI’s stakeholders and refine these ideas into specific project proposals.

• **Explore New Technologies** – explore new data integration and machine learning technologies that will drive innovation within future projects.

• **IBRI Scientist Support** – understand the internal data access, integration, analysis, and visualization needs of IBRI primary investigators and their teams and use your skills to support their scientific projects and the mission of IBRI.

• **Special Projects** – based on your skills, experience, and interests, work on special technology projects (open data, data security, visualization, data science, ...) that are needed to support the mission and growth of the IBRI.

Requirements:

• B.S. degree in a scientific-, computer- or technology-related discipline.

• 3+ years’ experience working with complex life sciences or health-related data sets.

• 3+ years’ experience working with computational, machine learning, and visualization tools.

• Experience with data science, statistical analysis, data mining, and visualization tools.

• Experience with multiple programming and/or scripting languages.
• Demonstrates creativity and ingenuity in new and better ways to derive and visualize actionable insights from complex data sets.
• Proven ability to rapidly learn new domain areas, problems, or technologies, especially in a scientifically complex environment.
• Interest, excitement and ability to stay current with changing trends in data science and informatics.
• Self-motivated, strong communication skills, focus on delivering results, and ability to work independently in a dynamic research environment.
• Projects a professional and positive attitude and enjoys working in team environment to achieve results and stays calm under pressure.

Additional Preferences:
• Masters or Certificate in Data Sciences, Statistics, or Informatics
• Experience working in a scientific/research environment and/or significant scientific coursework.
• LINUX/Unix experience either as a user or administrator.
• Strong programming experience in multiple languages.
• Strong Project Management or Business Administrative skills.
• Experience in Agile software development and building systems using a service oriented architecture.

Additional Information:
Interested applicants should apply through the IBRI Website: http://www.indianabiosciences.org.

Indiana Biosciences Research Institute, Inc. is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to race, color, ethnicity, religion, age, sex, sexual orientation or identity, national origin, disability status, or protected veteran status.