Scientist / Senior Scientist, Computational Chemistry

We Are Genetic Navigators bringing together passionate, creative and dedicated professionals to join a rapidly-growing startup on our mission to translate novel genetic insights into lifesaving medicines. We are integrating human genetics and functional genomics to decode the mysteries of genetic modifiers, leading us to new medicines via multiple modalities (small molecules, gene therapies, ASOs) we'll develop for a range of severe diseases.

We are seeking a talented and highly motivated individual with a strong background in computational chemistry to join our dynamic and highly collaborative Drug Discovery team in the pursuit of novel molecules to treat a diverse range of diseases. The successful candidate will utilize computational methods and tools to facilitate the discovery and optimization of small molecules, collaborate effectively with team members across disciplines, and present project results and strategy in key company meetings. As a key contributor to Drug Discovery, you will champion computational approaches and tools to provide more insight into chemistry efforts across the portfolio. The role requires the ability to interface with an array of scientists, from chemists to biologists and biochemists, and an aptitude to discover new technology to advance our science.

Your Role in Navigating The Maze:

- Identify and apply various computational methods to impact drug discovery programs from target identification to candidate selection
- Generate computational models to generate and prioritize small molecule designs for synthesis in close collaboration with the medicinal chemistry team
- Use computational methods to help translate genetic insights to functional hypothesis by assessing protein dynamics, protein-ligand interactions, and/or protein-protein interactions
- Carry out data mining and data analysis, creating appropriate data visualizations to highlight key findings
- Opportunity to lead structure-based ligand design efforts with potential opportunity to work with protein science team in optimization of cryo-EM structures
- Identify, evaluate, and implement new technologies and computational methods to transform the drug discovery process
- Communicate with internal and external stakeholders
- Leverage expertise from academic training and previous experience but also willing to learn new computational methods

Your Navigation Tools:

- Ph.D. in computational chemistry/cheminformatics with 0-5 years' experience; level will be commensurate with experience
- Candidates with M.S. and > 4 years industry experience will also be considered
- Strong theoretical knowledge of computational chemistry
- Track record of leveraging cutting-edge computational methods and technologies to lead to decision-making endpoints

- Track record of publication and presentation at external conferences
- Strong foundation in organic chemistry or physical chemistry principles, with a strong desire to develop a deep understanding of medicinal chemistry
- Demonstrated experience evaluating new technology and approaches by staying current with new computational advancements
- A highly motivated disposition with the ability to navigate a very fast-moving drug discovery environment
- Excellent written and verbal skills and a “can do” attitude