

**JOB TITLE:****Senior Bioinformatics Scientist****Job Description**

Compugen's extraordinary multidisciplinary team is one of its greatest assets. Our employees, coming from different backgrounds with diverse ways of thinking, work together in an atmosphere that cultivates excellence, creativity and openness. The cooperation of people from various disciplines involving different areas of expertise is fundamental to our ability to establish unique predictive drug discovery solutions, as well as to discover and develop novel therapeutic proteins and drug targets. This merging of talent from various disciplines continues to serve as a key growth driver and enables us to fulfill our mission and business goals. We are expanding our bioinformatics and data engineering team under the Computational Discovery unit and seek a Senior Bioinformatics Scientist to drive hands-on data analysis and algorithms' development towards novel targets discovery and enhancement of our cloud-based computational biology platform. The Senior Bioinformatics Scientist will play a key role in the development of Compugen's Computational Discovery analytics platform towards the in-silico identification of drug targets and novel biomarkers in immuno-oncology (IO).

- Contribute to establishment and maintenance of single-cell and additional bioinformatics processing pipelines
- Conduct end-to-end computational analyses of single cell and spatial genomics data
- Implement tools for cross-dataset and multi-omics data harmonization, integration and visualization
- Develop and implement innovative computational biology algorithms and data science approaches towards identification and in-silico validation of novel immuno-oncology targets and biomarkers
- Advance analytics support for in-vitro and in-vivo validation of drug targets, mechanism-of-action (MOA) analysis, patients' stratification and biomarkers discovery
- Work closely and routinely with computational scientists, biologists and immunologists
- Present, visualize and communicate the analytics results and scientific insights to internal and external collaborators

Job Requirements

- Ph.D. or equivalent hands-on years of experience in Bioinformatics / Computational Biology & Data Sciences
- Strong programming and data science skills (R or Python preferred)
- Cloud-based data science experience (AWS Preferred)
- Ability to propose and carry out independently computational biology research projects.
- Hands-on experience in data analysis workflows of scRNA-Seq, RNA-Seq, (CITE-Seq, ATAC-Seq is an advantage)
- Demonstrated impact via the development of novel innovative algorithms, and the adoption of available open source or licensed solutions

- Experience in cancer or immunology studies, pathways analysis and biological interpretation is an advantage
- Experience in agile software development and databases is an advantage (Python, AngularJs, NodeJs, Laravel, REST API, MySQL, PostgreSQL, MongoDB, DynamoDB and Apache SPARK)
- Background in statistics, machine learning or in the analysis of large-scale datasets is an advantage (AWS Sagemaker preferred)
- A team player in a multidisciplinary environment
- Outstanding interpersonal, verbal and written communication skills
- Strong collaborative skills, professionalism and commitment

Please submit your resume to: jobs@cgen.com