



## BIOINFORMATICS AND BIOSTATISTICS SCIENTIST

You will be in charge of biostatistical analyses and the implementation of AI-based “omics” and clinical data analysis tools. You should be able to meet the different biostatistical needs of the team. You should know how to use and implement innovative methods necessary for the analysis of “omics” and clinical data. You will work in a cross-functional team to develop computational methods to detect disease mechanisms, target identification or assess the various properties of genes/proteins/lipids for their suitability as drug targets. You will work in direct relationship with domain experts in artificial intelligence, biological, chemical, and clinical data at Topazium to enable drug discovery in our technology platform. This is an ideal role if you are interested in integrating biomedical datasets with the objective of performing multi-omic analysis, drug and biomarker design, and/or clinical outcome analysis.

### □ Essential job requirements

- MSc degree, PhD or equivalent industrial experience in bioinformatics and biostatistics.
- Hands-on experience with “omics”, clinical trials, or real-world datasets.
- Programming languages: Python, R, C/C++, Cython and LINUX OS and implementing in Cloud, UBUNTU, and Redhat.
- Experience, preferably in industry, in developing and applying computational methods to derive novel insights from data to support one or more parts of the drug discovery process (e.g., target identification, molecular design, patient stratification, biomarkers discovery).
- English: complete professional capabilities (spoken & written)
- Knowledge of the pharmaceutical industry environment with a focus on drug discovery would be a plus

### □ Duties and Accountabilities

- Bioinformatic and biostatistical analyses of complex “omic” and clinical data.
- Development of new analysis models and algorithms in relation to key business objectives.
- Working with unstructured data and unsupervised machine learning, outlier detection, and survival analysis.
- Work with machine learning engineers to help bring research prototypes and features into Topazium’s pipeline.



- Work as a member of a cross-functional team integrated by specialists in biomedical sciences and AI/computer science. You will apply your expertise in bioinformatics and biostatistics to provide analysis solutions to answer biological/medical questions.

#### □ Valued Skills

- Self-learner, curious, creative thinking
- Enjoy working in a fast-paced, highly collaborative environment
- Proactive
- Team player
- Science oriented
- Excellent communicator
- Ability to share knowledge and ideas between biomedical and engineering disciplines

#### □ Conditions & Compensation

- Employment contract
- Flexible schedule