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Junior Bioinformatician

Data Science for Health (DaSchH) laboratory at the Toscana Life Sciences Foundation (TLS) develops and applies innovative approaches to understand biology through computing, focusing on data-rich problems to facilitate the discovery of biologic products against infectious diseases. Our research is focused on vaccine development, monoclonal antibody identification and characterization, and -OMICS.

We invite applications from highly motivated researchers passionate about data science and bioinformatics.

WHAT YOU WILL DO

You will develop cloud-based pipelines for high-throughput analysis of genomic data for the characterization of both the host immune repertoire and the pathogen genomes to identify molecular targets and potential therapeutic biologicals. In your daily job, you will apply fundamental bioinformatics tools with the aim to analyse massive volumes of -omics data, such as:

- Genome sequencing and assembly
- Multiple sequence alignment
- Sequence functional annotation and clustering
- Data integration and -omics analysis

WHO WE ARE LOOKING FOR

The ideal candidate will have a master's degree in bioinformatics, molecular biology or a related field, with a molecular biology background and solid knowledge of data science as well as hands-on experience in one or more of the following fields including: **bioinformatics, computer programming, sequence analysis, next generation sequencing (NGS)**. Having wet-lab experience in sample preparation for NGS sequencing is an advantage but is not a pre-requisite.

The candidates should have a thorough knowledge of biotechnology and be passionate about learning new methods, also by studying autonomously the literature.

If you are excited by the opportunity to work on innovative projects in a dynamic and collaborative environment, we encourage you to apply for this position.

The selected candidate will be hired under a fixed-term contract (2 years).

Fondazione Toscana Life Sciences believes a diverse workforce is pivotal to achieve its mission and, therefore, promotes equal opportunity to all applicants through a competitive and fair recruitment process.