The Laboratory of Neurogenomic Biomarkers (https://www.cibio.unitn.it/302/laboratory-of-neurogenomic-biomarkers), Department of Cellular, Computational and Integrative Biology (CIBIO) of the University of Trento is seeking for a post doc in computational biology – bioinformatics to work on a three-years integrated project for the validation of a genomic target for psychiatry disorders, funded by the Psychiatry Consortium (https://psychiatryconsortium.org/).

The project is based on the comprehensive characterization of transcript diversity of the target, and its modulation in psychiatry disorders, as well the study of the consequences of target modulation in cellular and in vivo models by molecular, functional and behavioral analysis. The candidate will have the chance to interact with scientists from pharma companies and see how basic research can help translating genomic findings into drug discovery programmes.

The successful candidate is expected to work in a multidisciplinary team and lead the workpackage dedicated to the RNASeq analysis of brain tissues through targeted long read Sequencing and whole transcriptome approaches.

The ideal candidate will have
- a PhD in Computational Biology, Bioinformatics, Genomics or related fields
- previous experience in the analysis of NGS data and in functional genomics
- strong programming skills and expertise in biostatistics.
- Good communication skills and self-motivation
- Previous knowledge or interest in molecular neurobiology is a plus

The position is available from January/February 2022 and can be extended up to three years. Expected yearly gross salary around 36,000 Euro.

CIBIO offer an interdisciplinary environment with a strong commitment to computational and integrative approaches, and enjoys the support from state-of-the art facilities including High-Throughput/High Content Screening, Next Generation, Cell Analysis and Separation, Cell Technology, Advanced Imaging, Model Organisms, Mass Spectrometry and Protein Technology.

For more information on the upcoming call, please contact Enrico Domenici (enrico.domenici@unitn.it)