



Postdoctoral Position

NeuroEpigenetics laboratory

Department of Cellular, Computational and Integrative Biology

Dr. Marta Biagioli laboratory – The NeuroEpigenetics LAB – is offering a full-time postdoctoral position to investigate altered molecular mechanisms in Huntington’s Disease (HD) pathology. The lab (<https://biagiolilab.wordpress.com>) is located in the ambitious and supportive research environment of the Department CIBIO (<https://www.cibio.unitn.it/>), within the University of Trento (ITALY). We are part of a young, vibrant scientific community and the department is a cutting-edge and top-ranked academic institute in biomedicine and biotechnology.

We are seeking enthusiastic and highly motivated scientist keen to investigate *how wild-type and mutant huntingtin regulate Linear Alternative Splicing and Back-Splicing processes locally at the HTT gene locus, and more globally at the genome-wide level. We will analyze changes *in vivo*, in different brain districts of a series of *Htt* knock-in mouse models, faithfully mimicking the HD mutation, at single-cell level [through FACS-sorted, single-cell sequencing] and in HD human *post-mortem* brain.*

We offer a 2-year position, with a competitive salary. The candidate will conduct cutting-edge research with a strong translational impact on Huntington’s Disease, integrate the molecular biology expertise with genetics and genomics skills and be an active participant in the exciting international Huntington’s Disease research community such as the European Huntington’s Disease Network (EHDN) and the Huntington’s Disease Society of America (HDSA).

To learn more about our scientific interests, please see our publications: https://www.researchgate.net/profile/Marta_Biagioli/publications

Qualifications and Experience

Basic qualifications:

- Ph. D.in Neuroscience/Molecular Biology/Cellular Biology.
- At least 3 publications in peer-review scientific journals.
- Excellent molecular and cellular biology expertise.

Preferred qualifications:

- Prior experience with mouse models;
- Background experience in Neurodegenerative and/or Neurological disorders;
- Good understanding of RNA regulation and non-coding RNAs.

Applications_Please send a cover letter detailing your research interests, CV to Dr. Marta Biagioli at marta.biagioli@unitn.it