

## Postdoctoral Fellow

Location: Rome, Italy  
Staff Category: Postdoctoral Fellow  
Contract Duration: 3 years  
Grading: N/A  
Closing Date: 31/03/2019  
Reference Number: RM00076

The Gross and Boulard Groups are looking for a highly talented postdoctoral researcher to join an interdisciplinary project on the role of DNA methylation in brain gene expression control. This project combines the expertise of the Gross and Boulard groups in neural circuits and epigenetics, respectively, to understand how chromatin modifications are able to shape cell-type specific control of gene expression in the brain.

### Your role

Lead a project to profile and analyse gene expression changes in mouse brain following cell-type specific viral-mediated gene and neural activity perturbations; develop and implement cutting-edge molecular genetic tools to carry out the project.

### You have

A PhD and a proven track record in molecular biology (DNA cloning, isolation of cells from tissue, immunoprecipitation, flow cytometry) and *in vivo* animal experimentation (husbandry, genotyping, surgery, stereotactic injection). You have a demonstrated ability in interpersonal communication and collaboration. You will demonstrate strong initiative, have the ability to work independently to drive the project forward, and be keen to work in a collaborative, international environment.

### You might also have

Experience in computational analysis of sequencing data (data quality control and preparation, R programming, gene network and enrichment analysis).

### Why join us

The European Molecular Biology Laboratory (EMBL) is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organization with a collegial and family-friendly working environment. The remuneration package comprises a competitive salary, a comprehensive pension scheme, medical, educational and other social benefits.

### What else do I need to know

EMBL is one of the highest ranked scientific research organizations in the world. The Headquarters Laboratory is located in Heidelberg (Germany), with additional sites in Grenoble (France), Hamburg (Germany), Hinxton (UK), Barcelona (Spain), and Rome (Italy). The Neurobiology and Epigenetics Unit at EMBL Rome studies mammalian physiology from the molecular to the systems level using the laboratory mouse as a model system. We take advantage of a full range of core facilities as well as close institutional links with other EMBL sites.

For more information, please see our website at [www.embl.it](http://www.embl.it).

To apply please submit a cover letter clearly stating your motivation and future research interests/plans and a CV with at least two referees through our online system

Please apply online through: [www.embl.org/jobs](http://www.embl.org/jobs)