Host University: Universität Zurich

Main Research Field (drop-down list): Health and welfare

Specified field, subject: Neuroepigenetics

Research project title: Study of the mechanisms of epigenetic regulation of brain functions and epigenetic inheritance in animal models and humans

Possible starting month(s): Any month

Possible duration in months: Any duration over 3 months

Exact starting and end dates will be discussed between the supervisor and the student

Suitable for students in: ☒ Bachelor level ☒ Master level

Prerequisites: Background in molecular and cellular biology, genetics and epigenetics and/or informatics and biocomputation.

Restrictions: xxx

Description (maximum 2,000 characters):
We offer several projects that study the molecular mechanisms of regulation of genome activity in the brain in relation to cognitive functions and behavior, and the epigenetic processes underlying the transmission of acquired behaviors and the consequences of life experiences across generations. The work involves multi-omics approaches, genome/epigenome editing (CRISPR-based), organoid models (brain and testes), an experimental mouse model of early trauma and human cohorts and samples. It is at the interface between epigenetics, neuroscience and psychiatry and has implications for social sciences and evolution.
STudent REseArch Mobility Programme (STREAM)
Research Project proposal

Research laboratory: 
XXX

Faculty and/or Department: 
XXX

Deadline for nomination to reach host university: 
XXX

Notification of admission given by the end of: 
XXX

Additional information: 
XXX

Contact person, including position: 
Andrea Orbann, Head of Student Mobility

Contact email: 
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