Host University: Universität Zurich

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

Specified field, subject: Rheumatology

Research project title: Unravelling molecular pathways driving rheumatic diseases

Possible starting month(s):

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Possible duration in months:

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

Suitable for students in: ☒ Bachelor level ☒ Master level

Prerequisites: Good knowledge in spoken and written english

Restrictions: xxx

Description (maximum 2,000 characters):

There is an unmet need for novel therapies, biomarkers and humanized models for rheumatic diseases. Our laboratory focuses on the analysis of molecular pathways in inflammation, cartilage destruction and multi organ fibrosis. We investigate epigenetic mechanisms such as post-translational histone modifications, DNA methylation, DNA hydroxymethylation and non-coding RNAs, as well as signaling pathways in primary cells (fibroblasts, monocytes) derived from patients’ biopsies and peripheral blood and 3D-cell cultures. Master students can select between different topics within the field of rheumatology including rheumatoid arthritis, systemic sclerosis and vertebral bone marrow lesions (modic changes).
STudent REseArch Mobility Programme (STREAM)  
Research Project proposal

Research laboratory:  
Center of Experimental Rheumatology

Faculty and/or Department:  
Department of Rheumatology

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:  
andrea.orbannechslin@uzh.ch