



Assistant Professor (Tenure Track) of Tissue Damage and Repair

The Department of Biology (www.biol.ethz.ch) at ETH Zurich invites applications for the above-mentioned position.

The assistant professorship is expected to develop a world-leading research program in tissue damage and repair with a focus on mechanistic cellular and molecular studies. The successful candidate should integrate a variety of experimental approaches to gain insight into the mechanisms underlying the repair of injured tissues after various types of insults.

Topics/approaches may include analysis of (i) the heterogeneity of injured/healing tissues and the corresponding healing processes, (ii) the interaction of different resident and invading immune cell types, (iii) the signalling events that drive regeneration versus repair, (iv) the role of cell-matrix interactions in repair, (v) the influence of environment and stress factors (including mechanical factors, infection, toxins, UV irradiation) on the healing response, (vi) genetic and epigenetic mechanisms driving the response of tissues to injury, (vii) the role of the microbiome in the control of tissue repair and regeneration, (viii) the development of innovative approaches and technologies for the analysis of tissue repair/regeneration (e.g. advanced *in vivo* imaging) and the improvement of the repair process based on biological/biomechanical information. Candidates with an interest in translating fundamental understandings into potential therapeutic applications are also encouraged to apply.

At the assistant professor level, commitment to teaching and the ability to lead a research group are expected. The new assistant professor will engage and contribute to the molecular health sciences teaching programme at the undergraduate and graduate levels (teaching may be in German or English). Assistant professorships have been established to promote the careers of young scientists. ETH Zurich implements a tenure track system equivalent to that of other top international universities.

ETH Zurich is an equal opportunity and family-friendly employer, values diversity, and is responsive to the needs of dual-career couples.

Please apply online: www.facultyaffairs.ethz.ch

Applications should include a curriculum vitae, a list of publications, a statement of future research and teaching interests, a description of the leadership philosophy, a description of the three most important achievements, and a certificate of the highest degree. The letter of application should be addressed **to the President of ETH Zurich, Prof. Dr. Joël Mesot. The closing date for applications is 15 May 2024.**