

**Zeitschrift:** Bulletin / Vereinigung der Schweizerischen Hochschuldozierenden =  
Association Suisse des Enseignant-e-s d'Université

**Herausgeber:** Vereinigung der Schweizerischen Hochschuldozierenden

**Band:** 45 (2019)

**Heft:** 3-4

## Titelseiten

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## Professor of *In Situ* Tumour Biology

The Department of Biology ([www.biol.ethz.ch](http://www.biol.ethz.ch)) at ETH Zurich and its Institute of Molecular Health Sciences – IMHS ([www.mhs.biol.ethz.ch](http://www.mhs.biol.ethz.ch)) invite applications for a tenured professorship in *In Situ* Tumour Biology.

The successful candidate will have an independent, world-class research programme in the area of *in situ* tumour biology and potential therapeutic applications, as well as strong teaching skills in these areas. Candidates may work in a wide range of tumour biologies and systems, studying the development of early pre-cancerous lesions, the progression to frank neoplasm, and/or metastasis. The focus should be on how cancer interacts with a complicated environment, especially in higher eukaryotic model organisms and in patients. Example research areas include direct cell-cell contacts between tumour and surrounding cells, cytokine/hormone and other signals from surrounding or distal sites, cell-cell cross-talk, the influence of the microbiome, and more. Bridging molecular and cellular mechanisms to organismal phenotypes integrates this professorship into the strengths of the Department. The candidate may develop and use a wide range of approaches to address this broad area. Examples of approaches could include advanced microscopy to track tumour development in living organisms, understanding how immune cells beyond T cells interact with cancers, “flight recorder” tracing to determine the molecular signals encountered by a tumour cell in the body, investigating the role of metabolic or microbial signals in cancer, or studying paracrine or endocrine signals from supporting cells that modulate tumour development. The successful candidate might use *in vitro* systems to explore pointed molecular questions, and the focus should be on an integrated understanding of *in situ* cancer biology.

In general, at ETH Zurich undergraduate level courses are taught in German or English and graduate level courses are taught in English.

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Applications should include a curriculum vitae, a list of publications, a statement of future research and teaching interests, and a description of the three most important achievements. The letter of application should be addressed to the President of ETH Zurich, Prof. Dr. Joël Mesot. The closing date for applications is 30 November 2019. ETH Zurich is an equal opportunity and family friendly employer, strives to increase the number of women professors, and is responsive to the needs of dual career couples.