PhD position in cancer research: Understanding Tumor heterogeneity in the progression of pancreatic neuroendocrine tumors.

Date: 1.10.2023  
Workplace: Endocrine pathology lab., Institute of Tissue Medicine and Pathology, University of Bern, Switzerland

https://www.igmp.unibe.ch/index_eng.html

Position: PhD Research Fellow

Job description:

The research focus of our group lies on the study of pancreatic neuroendocrine tumors (PanNET). We are looking for a motivated PhD candidate with an interest in dissecting the role of cell heterogeneity in tumor development. Within this project, we aim at understanding intra-tumoral heterogeneity evolution in PanNETs and its contribution to tumor progression and metastasis formation. Further, we will target specific cell subpopulations and their underpinning pathways in order to impair metastasis formation. The research will include single nuclei RNA and ATAC sequencing and spatial transcriptomic on tumor tissues specimens, as well as modeling tumor cell heterogeneity in vitro and in vivo in Zebrafish.

Selected publications of our group:


April-Monn SL et al. 3D Primary Cell Culture: A Novel Preclinical Model For Pancreatic Neuroendocrine Tumors (PanNETs). Neuroendocrinology. 2020 Apr 3. doi: 10.1159/000507669.


Duration of appointment: 4 years  
Start: October 2023  
Salary: According to the Swiss National Science Foundation
Requirements:

Applicants must hold an academic degree in life sciences or biomedical sciences (MSc or equivalent) and be acceptable for matriculation as a PhD student at our University. Strong interest in computational biology. Previous technical experience with cell culture, RNA/DNA extraction, western blotting and in vivo experiments is a plus.

Fluency in English is a prerequisite. The successful candidate will enroll at the Graduate School for Cellular and Biomedical Sciences of the University of Bern. [http://www.gcb.unibe.ch/content/index_eng.html](http://www.gcb.unibe.ch/content/index_eng.html)

The present PhD thesis will be supervised by PD Dr. Ilaria Marinoni

Application:

Please send your applications by e-mail to: cornelia.mileto@unibe.ch. Applications should include a short letter of interest, curriculum vitae with description of your professional experience, a list of publications, a list of 2 references and copies of the certificates of academic qualifications.

Contacts:

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