

The Laboratory of Dr. Douglas Hanahan, at the Swiss Institute for Experimental Cancer Research (Swiss Federal Institute of Technology), is seeking for a highly motivated laboratory technician, with strong-background in molecular and cell biology, as well as in-depth knowledge of genetically modified mouse models, to join our team. The successful candidate will closely work with a postdoctoral fellow to characterize the role of microRNAs during cancer metastasis, and in addition carry general lab duties. This position will require an exceptionally dedicated person, able to work independently to carry on day-to-day tasks to achieve the goals of the project.

Key responsibilities:

- Mouse models related research techniques; total time required will be 40-50% (Including, but not limited to, general mouse handling techniques, breeding and weaning, mouse health monitoring and recording in electronic system, body weight measurements, glucose measurements, subcutaneous and intraperitoneal injections, in-vivo bioluminescent imaging, assistance with surgeries, tissue collection and detailed banking)
- Molecular biology research techniques (Including, but not limited to, cloning, DNA and RNA isolations, Q-PCR, protein isolation, western blots)
- Cell Culture-related research techniques (Including, but not limited to, cell culture of cancer cell lines, invasion and migration assays, flow-cytometry, cell proliferation, transient and stable transfections)
- Histology and Immunohistochemistry related research techniques (Including, but not limited to, cryosectioning, and formalin-fixed, paraffin-embedded sectioning, immunostaining, light and fluorescent microscopy)
- Lab duties (Including, but not limited to, ordering and stocking laboratory supplies/consumables, participation in duties for the maintenance of laboratory, receiving shipments and verifying inventories)
- Precisely follow daily tasks recorded in an on-line calendar, and interact directly with the postdoctoral fellow to ensure proper experimental design, analysis, interpretation and reporting of results.
- Maintain a detailed lab notebook and on-line databases.

Required Qualifications:

- Diploma of the lab technician school or equivalent

- Accreditation to work with animal: Module 1
- At least 2 years of experience in a research laboratory, preferably in an independent project.
- Must have excellent organization, time and project management skills. Must be detail-oriented, able to multitask and perform precise work, as well as record and report results with clarity and details.
- Show perseverance and willingness to troubleshoot technical challenges, as well as strong motivation to learn and master new methods and techniques.
- Must possess a high level of initiative, able to work independently, as well as within a team.
- Excellent interpersonal and communication skills; must be fluent in English, both speaking and writing.

**Contract:** 80% - 100%

**Starting date:** 1<sup>st</sup> May, 2016

**Contact:** For further information, please contact E. Drori via e-mail: [ehud.drori@epfl.ch](mailto:ehud.drori@epfl.ch)

The application letter including a CV and copies of your certificates and references should be sent to: E. Drori via e-mail: [ehud.drori@epfl.ch](mailto:ehud.drori@epfl.ch)