



b
UNIVERSITÄT
BERN

Department of BioMedical Research, Visceral Surgery and Medicine, Visceral Surgery Research Labs,
University of Bern, Switzerland.

PhD Position in Biomedical Sciences

Interactions between intestinal microbiota and regenerative responses in the liver

A PhD student position in the field of hepatic regenerative medicine is available. Liver resection is essential to treat liver metastasis and hepatocellular carcinoma. To understand the regenerative processes that sequentially occur after partial liver resection is of crucial relevance for the liver surgeon. In this project, interactions between intestinal microbiota and hepatic regenerative responses will be investigated. In particular, it will be explored if and how bacteria or bacteria derived metabolites including extracellular ATP model the cellular responses of the innate immune system during liver regeneration.

Requirements

Applicants must hold a European academic degree in natural sciences (MSc or equivalent) acceptable for matriculation as a Ph.D. student at a Swiss University. Students will have to be admitted to the Graduate School for Cellular and Biomedical Sciences, University of Bern.

http://www.gcb.unibe.ch/content/index_eng.html

Position is available immediately for a period of 3 years

We offer

The candidate will work with state-of-the art techniques in molecular & cell biology, cell culture, protein and molecular biology techniques and the use of transgenic models.

Salary: according to the guidelines of the Swiss National Science Foundation

http://www.snf.ch/SiteCollectionDocuments/allg_doktorierende_e.pdf

Contact

Deadline for submission of applications is July 31st, 2018

Application can be sent per e-mail and should include a letter of interest, detailed curriculum vitae and the names a telephone number of 2 references

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