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Postdoctoral scholar - Oncology

NIBR

Basel

The Novartis Institutes for BioMedical Research (NIBR) is the innovation engine of Novartis. We collaborate across scientific and organizational boundaries, with a focus on powerful new technologies that have the potential to help produce therapeutic breakthroughs for patients.

A postdoctoral position is available in the laboratory of Tobias Schmelzle, PhD with the co-supervision of Giorgio G. Galli, PhD, within the Oncology department of the Novartis Institutes for BioMedical Research (NIBR) in Basel, Switzerland.

<https://www.novartis.com/our-science/postdoc-program/research-themes/cancer-biology/tobias-schmelzle-phd>; <https://www.novartis.com/our-science/postdoc-program/research-themes/cancer-biology/giorgio-g-galli-phd>

Our laboratories are interested in characterizing the role of the Hippo signaling pathway in cancer (Michaloglou et al., 2013; Galli et al., 2015; Mesrouze at al., 2017). While this pathway is a key regulator of organ size and embryonic development, the past decade highlighted its function in driving tumorigenesis and drug resistance mediated by the aberrant activation of the YAP/TAZ-TEAD transcriptional complexes. Despite several publications described upstream regulators and downstream targets of the pathway, a detailed mechanistic understanding of the pathway output in disease-relevant setting is lacking. To this end, we employ a variety of experimental approaches such as large-scale functional genomic screens (McDonald et al., 2017), CRISPR-Cas9 genome editing, epi-/genomic profiling and mass-spectrometry based proteomics. The overall goal will be to identify novel vulnerabilities or therapeutic opportunities in cancers driven by aberrant Hippo pathway activity.

We are looking for a highly motivated and hard working candidate with a good level of independence and creative thinking. The successful candidate will join a vibrant scientific community and collaborate with other postdoctoral fellows mentored by a range of scientists across disciplines and platforms, including chemistry, structural biology, molecular biology, functional genomics, neurophysiology and translational medicine. Postdoctoral scholars at NIBR have a unique opportunity to conduct innovative, interdisciplinary research and are expected to publish their results in leading journals. The postdoctoral term is up to 4 years.

**Qualifications**:

* PhD in life sciences with demonstrated productivity as assessed by publications and a strong interest in signal transduction and transcriptional regulation
* Experience with functional genomics screens and epi-/genomic profiling is an advantage
* Experience in handling and interpreting genomic data is essential
* Excellent analytical, communication and organizational skills
* Candidates must be able to work independently as well as with interdisciplinary teams

Please submit your cover letter and CV, including the contact information (name, institution, phone number, and e-mail address) of 3 references.

<https://www.novartis.com/careers/career-search/job-details/258209BR>

For more information about our postdoctoral program, please visit <https://www.novartis.com/our-science/postdoc-program>. For additional information please contact:

* Tobias Schmelzle [tobias.schmelzle@novartis.com](mailto:tobias.schmelzle@novartis.com)
* Giorgio G. Galli [giorgio.galli@novartis.com](mailto:giorgio.galli@novartis.com)

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