

Postdoctoral Position in Cancer Immunotherapy and Bacterial Therapeutics

The Systems Biology Laboratory at the Institute for Research in Biomedicine (IRB) in Bellinzona, Switzerland, is seeking a highly motivated postdoctoral researcher to work at the cutting edge between cancer immunotherapy and bacterial engineering. See the following paper for prior work on this topic ([Link](#)).

Key Responsibilities:

- Develop and engineer bacterial strains and evaluate their efficacy in preclinical tumor models.
- Conduct immunomonitoring assays and cell culture experiments.
- Manage and maintain mouse colonies in a SPF facility, monitor animal health and welfare, ensuring adherence to facility protocols, and overseeing regulatory compliance and ethical approval processes.
- Present research findings at scientific meetings and publish results in peer-reviewed journals.
- Mentor junior researchers, providing technical and scientific training in in vivo work.

Qualifications:

- Demonstrated experience with tumor mouse models and in vivo experimental techniques, including tumor implantation, intravenous or intratumoral injections, bioluminescence monitoring, and flow cytometry from in vivo samples.
- Familiarity with animal welfare regulations and ethical guidelines, including Swiss animal handling laws, is desirable.
- Experience in immunomonitoring in mice, including FACS analysis, ELISA, and cytokine profiling.
- A strong background in cancer immunotherapy and a passion for developing innovative therapeutic strategies.
- Excellent communication skills and a proven track record of independent research.

Interested candidates should submit a cover letter, curriculum vitae, and relevant publications. We welcome applicants who are eager to contribute to transformative research at the interface of cancer immunotherapy and bacterial therapeutics.

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