



NIBR Postdoctoral Fellowship Program

Do you have a passion for innovative fundamental research toward the goal of improving human health? Novartis Institutes for BioMedical Research is the pharmaceutical research arm of a global healthcare company. Our postdoctoral program provides excellent research training while supporting flexibility in future career options in academia or industry. The postdoctoral scholars have a unique opportunity to conduct interdisciplinary research in state-of-the-art facilities and publish their results in leading journals.

2017 Postdoctoral positions in Chemical Biology (Cambridge, MA, USA)

Metabolism and Lysosomal Storage Disorders

A current area of research focus is in the development of chemical and genetic tools in order to elucidate biological pathways of lysosomal storage disorders (LSDs). Although many of the responsible genes and proteins associated with the different lysosomal storage disorders are known, the link from gene to the observed associated clinical pharmacology is limited. The goal of the project is to elucidate the pathways of LSDs to discover novel entry points for therapeutic intervention.

Pro-drugs and Tissue-Specific Targeting of Therapeutics

Selective tissue targeting is emerging as a powerful approach for minimizing adverse effects and augmenting efficacy of pharmacological agents. We are particularly interested in the targeted-prodrug approach, where the drug is specifically released in the cell-type or tissue of interest after chemical modification of the parent. We believe that the emergence of extensive tissue-based transcriptional profiling data presents a unique opportunity for this field. The goal of the project is to develop a novel strategy for the rational discovery of tissue and cell targeting prodrugs through integration of bioinformatics, medicinal chemistry and adapted phenotypic screening.

Qualifications

- PhD in Chemistry, Biochemistry, Chemical Biology or Biology
- A demonstrated record of innovation and productivity.
- Self-motivated, able to work independently as well as collaborate as part of a dynamic team.
- Excellent oral and written communication skills.
- Interested in working at the interface between chemistry, cell biology & biochemistry.

Apply @ nibr.postdoc.com

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