

## Research in Nanobiology

The Biozentrum/Swiss Nanoscience Institute, at the University of Basel is looking for individuals at the M.Sc./Ph.D./Postdoc levels interested to work in the exciting, cutting-edge field of Nanobiology.

Individuals who are (1) interested in biology, and/or (2) have a background in biology, and (3) predisposed towards thinking/learning/using nanoscale, “bottom-up” concepts/approaches are strongly encouraged to apply.

Please send a curriculum vitae, a brief description of your scientific experience/interests, and three references to:

Dr. Roderick Y.H. Lim ([roderick.lim@unibas.ch](mailto:roderick.lim@unibas.ch))

### **Brief description**

A driving impetus of our work is to evaluate the nanoscopic aspects of bio-molecular function in response to the biochemical/physical interactions that drive them. From the bottom-up, **nanobiology** seeks to provide a deeper understanding of biological phenomena ranging from molecular and structural characteristics, to the form and function of cells and tissues. Moreover, given that biological machines are touted to offer novel technological strategies, it will be pertinent to understand and replicate their *in vivo* mechanisms outside the cellular environment. The strongly multidisciplinary flavor of our work cross-fertilizes biological disciplines with surface chemistry, nanofabrication technology and the tools of nanoscale science. Importantly, this is where concepts in biology, physics, chemistry and engineering converge.