



Graduate College: PhD student positions

Nano-Analytics of Cellular Systems

From molecular dynamics, recognition and organization to membrane transport and motility

A highly interdisciplinary **graduate college** funded by the *Austrian Science Fund (FWF)*, titled **Nano-Analytics of Cellular Systems (NanoCell)**, has the major goal to train next generation multidisciplinary graduates for frontier research in life- and cellular nano-science. Its scientific aim is to span the gap between the processes of molecular recognition and structural rearrangements on the one side, and membrane transport and cell motility on the other. The educational and research program integrates a broad basis of scientific and technological fields related to biophysics, cell biology, nanotechnology, applied physics, theoretical physics, bioorganic and inorganic chemistry, structural and molecular biology, mathematical modelling, and scientific computing. Participating institutions are: Johannes Kepler University Linz (JKU), Johann Radon Institute for Computational and Applied Mathematics (RICAM), Institute of Science and Technology (IST), and Vienna University of Technology (TUW). Selected PhD students will be employed for at least 3 years with a contract that includes social benefits. They will be encouraged to spend one semester abroad joining other collaborating laboratories. All selection procedures, training activities, and communication will be in English.

For further information and application form see <http://www.jku.at/biophysics/nanocell>

Closing date for all completed applications is May 22, 2014.

Starting date of the college is September 1, 2014.

Coordinator: Prof. Peter Hinterdorfer