2 PhD Positions on High Speed and Molecular Recognition Microscopy

The Atomic Force Microscopy (AFM) Group (PI: Prof. Peter Hinterdorfer) at the Institute of Biophysics, Department of Applied Experimental Biophysics at Johannes Kepler University (JKU) Linz is looking for two PhD students for research on therapeutic antibodies utilizing various AFM methods, including molecular recognition force spectroscopy and high speed Bio-AFM.

The contract will be embedded in the project ‘Molecular Recognition of Antibodies studies with high Speed AFM’ funded by the Austrian Science Foundation (FWF). PI in this research project is Prof. Peter Hinterdorfer.

Requirements:

- Degree and Master on any field of Biophysics, Physics, Biology or Biochemistry (completed before the contract starting date)
- Multidisciplinary qualifications (Physics/Bio). Knowledge of Atomic Force Microscopy, specifically Force Spectroscopy and High Speed Atomic Force microscopy will be a plus
- High level of English and good communication skills
- Ability to maintain accurate and up to date records
- Ability to organise and prioritise own work and organise research within the project schedule
- Computer literacy, analytical skills and effective team working

We offer:

- 3 years PhD contract. Competitive salary with all social benefits of a regular employment. Envisaged starting date: October 1st 2017
- Stimulating, interdisciplinary research and high quality international scientific environment

Interested applicants should send their CV, full academic sheet (including scientific background, training and expertise, research interest, motivation for joining the project), publication list, cover letter and two references to: peter.hinterdorfer@jku.at before September 1st 2017.

The Johannes Kepler University (JKU) Linz supports future-oriented academic degree programs, excellence in teaching and research, numerous partnerships in Austria and abroad, and a unique campus with park-like grounds. JKU has become a cutting-edge institution for science, academics, business and the community. Over 19,000 students are enrolled in over 60 modern, hands-on academic degree programs that have outstanding career prospects. The Institute for Biophysics at JKU (www.jku.at/biophysics/content) employs about 70 people with 7 permanent scientists. The research of the AFM group lead by Prof. Hinterdorfer is focused around nanoscopic techniques in life science, bio-nano technology, and medical diagnostics. In particular, the research covers molecular recognition, molecular dynamics, and transport in several molecular and cellular systems.