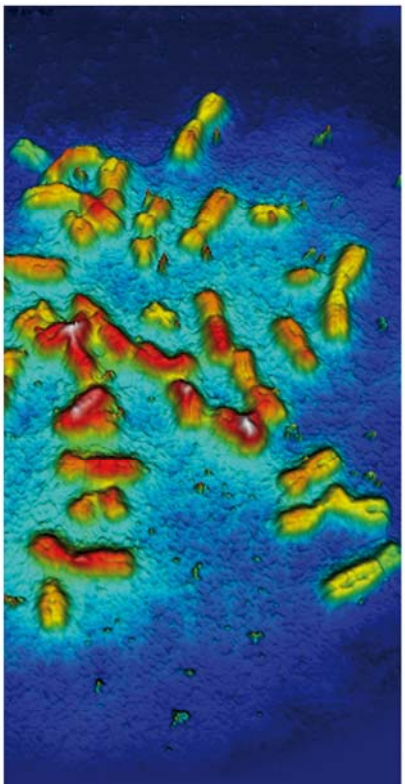

"Nanoscale imaging and force measurements in Life Sciences"

Tuesday 2nd December, Oxford Science Park

Timetable

09:30 Registration and Coffee

10.00 Introduction and Agenda

10.05 AFM in Life Sciences from imaging to pulling
Alex Winkel, JPK Instruments Limited

10.35 Optically coupled and single molecule bio electrochemistry
Jason Davis, University of Oxford

10.55 AFM studies in the neurosciences
Kristian Franze, University of Cambridge

11.15 Coffee

11.45 Quantifying cell adhesion and stiffness using single cell force spectroscopy
Torsten Mueller, JPK Instruments

12.05 AFM in liquids: From cell mechanics to atomic resolution
Bart Hoogenboom, London Centre for Nanotechnology

12.25 Functional force mapping of proteins and glycoconjugates
Terry McMaster, University of Bristol

12.45 Lunch

13.40 Practical demonstrations, hints and tips, AFM and force spectroscopy

14.30 New tweezers technology for tracking molecular and cellular interactions
Drew Murray, JPK Instruments

14.50 Aggregation and mechanical stability of Ataxin-3
Laura Masino, MRC, National Institute for Medical Research

15.10 Tea/Coffee

15.30 Practical demonstrations, hints and tips, AFM and force spectroscopy

16.20 Close

JPK Instruments

Nanotechnology for Life Science