NANOSCALE CHARACTERISATION WORKSHOP

Atomic Force Microscopy

22nd-23rd May 2025 @ University of Bristol, UK

Agenda – Thursday 22nd May - *In Person Event, Morning Session also Remote*

09.30 **Registration and Coffee, School of Chemistry**

10.00 **Welcome and Introduction**
Stephen Lewandowski, Sales Engineer – Bruker Nano Surfaces & Metrology UK

10.10 **Overview of Bristol University Atomic Force Microscopy Technology Platform**
Dr Robert Harniman, Bristol University – Technical Research Co-Director

10.50 **Beyond Membership – The Future of the RMS in 2025 and Beyond**
Sali Davis, Royal Microscopy Society – Chief Executive

11.00 **Overview of Applications in Life Science Atomic Force Microscopy**
Joerg Barner, Bruker – Application Scientist

11.30 **Coffee Break**

11.40 **Applying AFM to Diverse Biomedical and Bioscience Challenges**
Dr Jacob Pattern, Cardiff University – School of Dentistry

12.10 **Combined AFM and Raman Use Cases**
Dr Tim *Batten, Renishaw - General Manager Spectroscopy Products*

12:40 **CLOSE OF HYBRID SESSION | Lunch**

13.30 **Demonstration of the NanoWizard V BioAFM**
Joerg Barner, Bruker – Application Scientist

15.15 **Coffee Break**

15.30 **Overview & Demonstration of Dimension Nexus AFM**
Bruker – Application Scientist

17.15 **CLOSE**

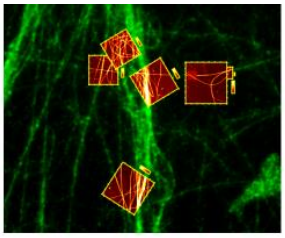

Fig. 6 Overlay of fluorescence in green and 5 AFM images within the optical image by DirectOverlay™. The collagen sample was fluorescently labelled and imaged with an EM-CCD. Scan range of the AFM image on the right was ~6µm.

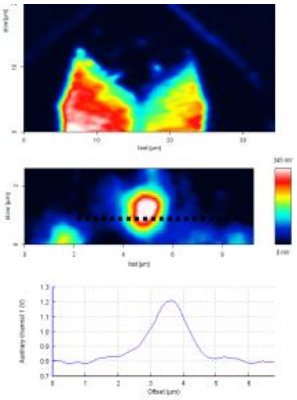

Fig. 3 Image shows the backscattered light of the TERS tip which was collected during scanning the tip across the laser focus.

Agenda – Friday 23rd May - *In Person Event*

09.30 **Registration and Coffee, School of Chemistry**

10.00 **Welcome – Overview of Sample Processing – Split into Technology Areas: BioAFM & Materials AFM**
Stephen Lewandowski, Sales Manager – Bruker Nano Surfaces & Metrology UK

16.00 **CLOSE**

Workshop Location

Clifton Campus, Chemistry Building
Room no: W415
University of Bristol, School of Chemistry
Cantocks Close
BS8 1TS

Contact

If you have questions, please contact us:
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Scan the QR code or click here to register and save your space!