



DBT funded

Workshop on Application of Atomic Force Microscopy (AFM)

Organized by Department of Chemistry, IIT Guwahati

In association with Toshniwal brothers

From 02/09/2024 to 06/09/2024

Project details:

Program support for training and capacity building in NE region

North East Centre for Biological Sciences and Healthcare Engineering (NECBH)

Department of Chemistry

Indian Institute of Technology Guwahati

Guwahati-71039, Assam

DBT project code: BT/NER/143/SP44675/2023

AFM is a versatile technique capable of imaging a wide range of surfaces, such as polymers, ceramics, composites, glass, and biological samples. It enables precise measurement and localization of various forces, including adhesion strength, conductive property, piezo forces, magnetic forces, and mechanical properties.

This workshop is open to all researchers in the fields of material science and engineering, chemistry, physics, biology, and nanotechnology. Participants will enrich themselves with both theoretical understanding and hands-on experience with the AFM.

Who can apply: Scientists, faculties, technical staff, PhD students, post-doctoral researchers, and postgraduate students from academic and research institutes across India. Preference will be given to participants from northeastern universities and institutes. Participants from industries are also welcome.

About NECBH:

NECBH boasts a diverse array of cutting-edge instruments crucial for advanced scientific investigation and analysis:

- FESEM (Field-Emission Scanning Electron Microscope)
- NMR (Nuclear Magnetic Resonance)
- XRD (X-Ray Diffraction)
- Confocal Microscopy
- FACS (Fluorescence-activated cell sorting)
- AFM (Atomic Force Microscope)
- PL (Photoluminescence)
- UV Spectrophotometer

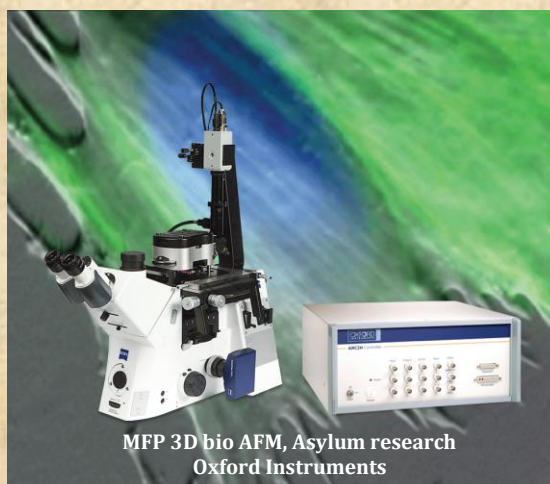
These instruments cater to a broad spectrum of scientific disciplines spanning materials science, chemistry, biology, physics, and engineering. Access to these facilities is extended to researchers and students hailing from the academic and research institutes of India.

NECBH offers an exclusive 80% discount on the sample analysis charges to researchers from the North-East academic and research institute and 50% Discounts for the researchers from outside North East Region. For further details, kindly explore our website at <https://www.iitg.ac.in/necbh/>

For inquiries and bookings, feel free to contact us via email at necbheqpt.iitg@gmail.com or through phone at +91-361-258-3093.

Online portal for booking instrument facilities at NECBH

<https://www.iitg.ac.in/necbh/>



MFP 3D bio AFM, Asylum research
Oxford Instruments

Registration is **FREE** for technical staffs/ students/researchers/faculties/scientist from the academic and research institutes. **Free accommodation and travel support will be provided for limited participants.** However, participants from the industry are required to pay a registration fee of Rs. 3000/-

Register online:

<https://forms.gle/LgXm7Z7ZWGK6pqV1A>

Online registration will be available from **30/07/2024 to 15/08/2024**

Bank details for registration fee submission

A/C No: 39377583642

IFSC: SBIN0014262

Branch: IIT Guwahati

Branch code: 14262

Bank Name: SBI

For any query:

Email ID: dhruba_iisi@iisi.iitg.ac.in

Phone number: +91-361-258-3093

Participants from outside of Guwahati city are only allowed for the accommodation.

Convener

Prof. G. Krishnamoorthy

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