

# 89<sup>th</sup> IUVSTA workshop

Biological and soft matter sample preparation  
for high resolution imaging by high vacuum techniques

19-24 May 2019 Zakopane, Poland

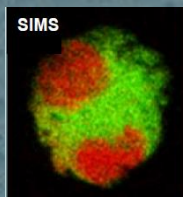


The workshop will bring together leading experts in the field of biological and soft matter studies to discuss sample preparation methods that preserve biological structure and molecular integrity for high-resolution imaging using high vacuum techniques.

Website: <http://www.npl.co.uk/89th-iuvsta-workshop/> Registration is open now!

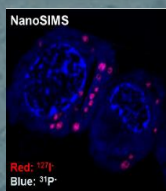
## TOPICS

### Cryo-SIMS & SIMS Imaging



- Cryo-preservation
- Instrument advances
- Sample preparation

### NanoSIMS



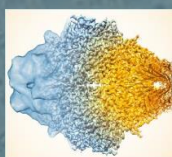
- Retention of diffusible analytes
- Correlative imaging

### Atom Probe Tomography



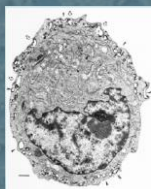
- Sample stability
- Hetero-structures
- Reconstruction

### Cryo-Spectroscopies



- Novel beamlines
- Molecular imaging

### Electron Microscopy



- Resin-embedding and cryo-preservation
- FIB milling and cryo-ultramicrotomes
- Liquid cells for real time analysis



**Dear Colleague,**

You are invited to participate in the 89th IUVSTA workshop on **Biological and soft matter sample preparation for high resolution imaging by high vacuum techniques, 19-24 May 2019, Zakopane, Poland.**

The workshop will bring together leading scientists in electron microscopy, secondary ion mass spectrometry, atom probe tomography, cryo-spectroscopy and related technologies to address important challenges in biological and soft matter sample preparations for high-resolution imaging by high vacuum techniques. This is a forum where experts share their views and engage in in-depth discussions to identify and solve current challenges and issues. The number of delegates is limited and the venue has been selected to provide an ideal environment for discussion. The list of confirmed speakers include:

**Prof. Andrew Ewing**

University of Gothenburg,  
Sweden

**Dr Katie Moore**

University of Manchester,  
UK

**Prof. Sarah Shahmoradian**

Paul Scherrer Institute,  
Switzerland

**Prof. Hua Tian**

Penn State University,  
USA

**Prof. Mary L. Kraft**

University of Illinois,  
USA

**Prof. Paul Verkade**

University of Bristol,  
UK

**Prof. Hans Hertz**

University of Göttingen,  
Germany

**Prof. Siegfried Reipert**

University of Vienna,  
Austria

**Prof. Peter Sjövall**

Chalmers University of Technology  
& SP Technical Research Institute,  
Sweden

The [Hotel Belvedere](http://www.npl.co.uk/89th-iuvsta-workshop/) in Zakopane, Poland is easily accessible from Krakow Jan Pawel II, which is well served with flights to major European hubs. This first announcement is so that you can enter the venue in your diary. Details of the programme, travel, registration and abstract submission will soon be available on the website:

<http://www.npl.co.uk/89th-iuvsta-workshop/>

We do hope that you will be able to join us in Zakopane next year for this important workshop.

## Workshop Organisation