

*The Orbeli Physiology Institute invites you to the
2023 Advanced Bioimaging Seminar series*

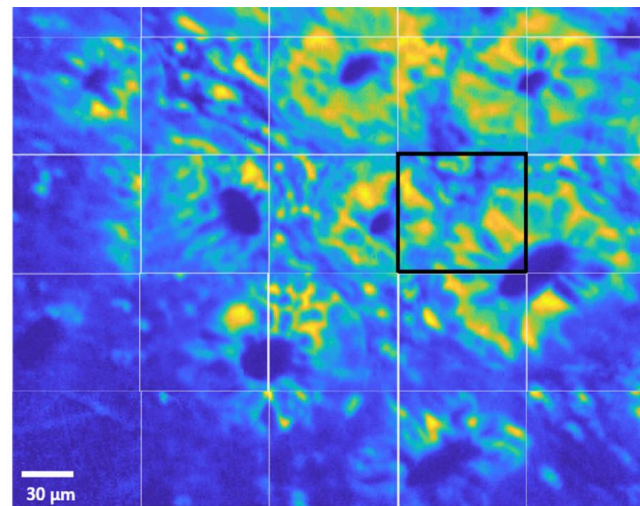
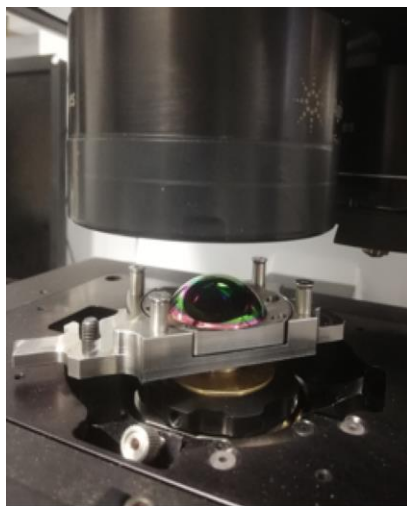
Advances in Infrared Spectroscopic Imaging

Friday November 24th 2023, 3pm

Orbeli Physiology Institute Conference room
Yerevan, 22 Orbeli Brothers street

Sergei G. Kazarian

*Professor of Physical Chemistry
Department of Chemical Engineering,
Imperial College London, United Kingdom*



FTIR spectroscopic imaging, has emerged as a powerful tool for characterisation of polymeric, pharmaceutical and biomedical systems. This talk will outline the research we are developing in this area with focus on FTIR spectroscopic imaging in both ATR (Attenuated Total Reflection) and transmission modes. Emerging biomedical applications of these methods will be discussed. Chemical visualisation with enhanced spatial resolution in micro ATR imaging mode broadens the range of biomedical samples (cross-sections of blood vessels or hair, prostate tissue, colon biopsies, single cells, etc.) amenable to study with FTIR imaging, which were previously ruled out by the inadequate spatial resolution.

The webinar will be in English, is free and open to the public
Refreshments will be served