



Workshop in honor of Pr. Eli Sutter

*“Around Electronic Microscopy”, 9th June, 2023, Sorbonne University,
amphitheater Durand, Campus Pierre et Marie Curie*

13h45 – 13h55

Introduction

13h55 – 14h35

“Coherent Electron Beam Excitation of Materials: from optoelectronic Spectroscopy to Plasmonic Chemistry”

Pr. Eli SUTTER Department of mechanical and material and engineering, University of Nebraska-Lincoln, Lincoln, USA.

14h35– 15h05

“Nanoscale field mapping with in situ electron holography”

Dr. Christophe GATEL, Laboratoire CEMES-CNRS (UPR8011), Université Paul Sabatier, Toulouse, France

15h05 – 15h35

“Quantitative chemical analysis at the nanoscale: Improvement of elemental assessment in EDS-STEM by Machine Learning.”

Dr. Murilo MOREIRA, Institut Lumière Matière, Université Claude Bernard, Lyon, France

15h35 – 16h05

“Vibrational EELS in the (S)TEM: a review”

Dr. Guillaume RADTKE, Institut de minéralogie, de physique des matériaux et de cosmochimie UMR 7590, Sorbonne Université, Paris, France

16h05-16h30 Coffee Break

16h30 – 17h00

“Cryo-electron microscopy unveils the gating mechanism of the human Kir2”.

Pr. Catherine VENIEN-BRYAN, Institut de Minéralogie, Physique des Matériaux et Cosmochimie, IMPMC (UMR7590) CNRS, Sorbonne Université, MNH, Paris, France

17h00 – 17h30

“Revealing the dynamics of nanomaterials in their formation and application media by transmission electron microscopy”

Dr. Damien ALLOYAU, Laboratoire Matériaux et Phénomènes Quantiques (MPQ), Université Paris Cité, Paris, France

17h30 – 18h00

“Recent advances in high resolution electron spectromicroscopy”

Dr. Michael WALLS, Laboratoire de Physique du Solide, Université Paris Saclay, Orsay, France