

2021 Nanoscale Approaches to Biology Symposium

Monday, February 22, 2021

10:00 AM – 2:00 PM USA Eastern (*held virtually*)

Subgroup Chair: Fredrik Westerlund, Chalmers University, Sweden

Presentations:

10:05 AM - Aleksandra Radenovic, Ecole Polytechnique Fédérale de Lausanne, Switzerland

Correlative 3D Microscopy of Single Cells using Super-Resolution and Scanning Ion-Conductance Microscopy

10:35 AM - Felix Rico, University of Aix-Marseille, France

Dynamics and Binding Strength of the Spike Protein of SARS-CoV-2 Probed by High-speed Atomic Force Microscopy

11:05 AM Prakash Shrestha, Boston Children's Hospital & Harvard Medical School, USA

11:25 AM Ilaria Testa, KTH Royal Institute of Technology, Sweden

3D Optical Nanoscopy in Living Cells

12:10 PM Mark C. Williams, Northeastern University, USA

Human FACT Proteins Facilitate both Disassembly and Reassembly of Nucleosomes

12:40 PM Andrew E. S. Barentine, Yale University, USA

1:00 PM Courtney C. Johnson, Duke University, USA

1:20 PM Bianxiao Cui, Stanford University, USA

Nanoscale Structures Modulating Cell Signaling at the Nano-Bio Interface

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The logo for LUMICKS, featuring the word in a bold, sans-serif font. The 'L' is blue, the 'U' is dark grey, the 'M' is dark grey with a blue 'X' inside, the 'I' is dark grey, the 'C' is dark grey with a blue dot, and the 'K' and 'S' are dark grey.The logo for MCL (Mad City Labs Inc.), featuring the letters 'MCL' in a bold, red, sans-serif font. Below the letters is a horizontal line with a registered trademark symbol (®) to the right. Underneath the line, the text 'MAD CITY LABS INC.' is written in a smaller, red, sans-serif font.The Nikon logo, featuring the word 'Nikon' in a bold, black, italicized sans-serif font. The text is set against a yellow background with diagonal white lines.The logo for THORLABS, featuring the word in a bold, red, sans-serif font. The letters 'T', 'H', 'O', 'R', and 'L' are solid red, while the letters 'A', 'B', and 'S' are white with a red outline.