

2020 BIST SYMPOSIUM ON MICROSCOPY, NANOSCOPY AND IMAGING SCIENCES

24 JANUARY: ICFO (Av. Carl Friedrich Gauss 3, 08860 Castelldefels)

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| 8:30 - 9:00 | Registration |
| 9:00 - 9:15 | Welcome & Intro <i>Gabriel Silberman (BIST) & Robert Sewell (ICFO)</i> |
| 9:15 - 9:50 | Nanooptics in the electron microscope <i>Mathieu Kociak (CNRS-Univ. Paris Sud)</i> |
| 9:50 - 10:25 | Imaging magnetic and electric fields in materials at the nanoscale using electron microscopy <i>Rafal Dunin-Borkowski (ER-C Jülich)</i> |
| 10:25 - 10:55 | Coffee Break |
| 10:55 - 11:30 | Measuring viscoelasticity of living systems with AFM: from the origin of life to plant growth and tumour treatment <i>Sonia Contrera (Oxford University)</i> |
| 11:30 - 12:05 | High resolution AFM imaging on individual molecules <i>Florian Albrecht (IBM Zurich)</i> |
| 12:05 - 12:40 | State-of-the-art on fast photosensors: medical applications <i>Daniel Guberman (INFN Pisa)</i> |
| 12:45 - 15:00 | Lunch & Poster Presentations by BIST-UPF Master Students |
| 15:00 - 15:35 | Towards structural cell biology using superresolution microscopy <i>Jonas Ries (EMBL)</i> |
| 15:35 - 16:10 | Modulated excitation for enhanced single molecule localization <i>Sandrine Lévêque-Fort (Universite Paris-Sud)</i> |
| 16:10 - 16:45 | Coffee break |
| 16:45 - 17:20 | Light-sheet fluorescence microscopy at ICFO: from animal models to 3D cell cultures <i>Emilio Gualda (ICFO)</i> |
| 17:20 - 17:55 | Cell and ECM mechanics for pluripotency and survival <i>Alba Diz-Muñoz (EMBL)</i> |
| 17:55 - 18:15 | Closing remarks <i>María García-Parajo (ICREA & ICFO) & Robert Sewell (ICFO)</i> |