



**Karolinska  
Institutet**

## **Inauguration of the Nikon Center of Excellence**

### **at the Live Cell Imaging Core Facility at KI**

Nov 10<sup>th</sup> 2021, 9 am – 3:30 pm

Venue: Erna Möller Lecture hall, Neo

Program (Chair: Staffan Strömblad)

8:30 – 9:00 Registration

9:00 – 9:05 Welcome (Staffan Strömblad)

9:05 – 9:15 Sylvie Le Guyader

*Presentation of the Live Cell Imaging Core Facility and Nikon Center of Excellence at Karolinska Institutet*

### **Scientific Session Part 1**

9:15 – 9:45 Christophe Leterrier, CNRS-Aix Marseille University, France

*Looking at neurons at the nanoscale with super-resolution microscopy*

9:45 – 09:50 Dusan Popov, European Product Manager Super Resolution, Nikon Europe B.V.

*Future of superresolution imaging*

9:50 – 10:05 Jianjiang Hu, Karolinska Institutet

*Local temporal Rac1-GTP nadirs and peaks restrict cell protrusions and retractions*

10:05 – 10:20 Natalia Akkuratova, Karolinska Institutet

*Single cell analysis of neural crest, sympatho-adrenal cells and tumor heterogeneity unlocks new cancer treatments*

**10:20 – 10:50 Coffee**

### **Scientific Session Part 2**

10:50 – 11:20 Joakim Lundeberg, The Royal Technology Institute, Stockholm, Sweden

*Exploration of the transcriptome and genome in a tissue context*

11:20 – 11:50 Guillaume Jacquemet, Åbo Akademi, Finland

*Democratizing deep learning microscopy image analysis (ZeroCostDL4Mic)*

11:50 – 11:55 Simone Lepper, European Product Manager Imaging Software & High-Content Screening, Nikon Europe B.V.

*Future of Image Analysis*

**12:00 – 12:15 Inauguration**

12:00 – 12:05 Anders Gustafsson, Vice president of Karolinska Institutet

12:05 – 12:10 Daniel Ciepiewski, General Manager, Healthcare Division,  
Nikon Europe B.V.

12:10 – 12:15 Håkan Hjortsmark, BergmanLabora AB

**12:15 – 13:00 Lunch**

13:00 – 13:50 Featured presentation: Jennifer Lippincott-Schwartz, Senior Group Leader, Howard Hughes Medical Institute, Janelia Research Campus, VA, USA

*Emerging Imaging Technologies to Study Cell Architecture, Dynamics, and Function*

**13:50 – 16:00 Open house at the Live Cell Imaging Core Facility / Tours / Demos**