

➤ **2<sup>nd</sup> Inflammation & Imaging Symposium**  
**at the new Multiscale Imaging Centre (MIC)**  
**12<sup>th</sup> to 14<sup>th</sup> September 2022**

# Programme



## Monday, 12 September 2022

16:00

### Opening of the symposium

Welcome speeches

### Keynote lecture: Imaging integrin activation

Klaus Ley, La Jolla Institute for Immunology, US

### Flying dinner & “Music to Go”

## Tuesday, 13 September 2022

8:00

Registration

### Session 1

09:00-09:30

**Tim Willinger** - Origin of human lung macrophages in health and inflammation

09:30-10:00

**Tim Lämmermann** - Swarming and trapping: novel aspects of neutrophil dynamics in inflamed tissues

10:00-10:30

**Molly Ingersoll** - Imaging immune responses in the bladder

10:30-11:00

*Coffee break*

### Session 2

11:00-11:30

**Jan Huisken** - Flamingo: customized light sheet microscopy inside and outside the optics lab

11:30-12:00

**Robert Predevel** - Looking deeper with microscopy: Pushing the optical imaging frontier in biology

**12:00-12:30** **Marleen de Bruijne** - Learning with less in medical imaging

*12:30-14:00 Lunch and poster viewing*

### **Session 3**

**14:00-14:30** **Frank Bengel** - In vivo molecular imaging for guidance of cardiac repair

**14:30-15:00** **Laura Airas** - TSPO-PET imaging of smoldering MS pathology: association with disease severity

*15:00-16:00 Coffee break and poster viewing*

### **Session 4**

**16:00-16:30** **Arman Eshagi** - Using artificial intelligence and multi modal imaging to understand multiple sclerosis

**16:30-17:00** **Bruno Stankoff** - Mechanisms underlying tissue damage in MS: from molecular imaging to novel algorithms

**17:00-17:30** **Daniel Ciepielewski** - Nikon ambassador collaboration  
**Frank van den Boom** - AXR MP – Look deeper: High resolution, high speed, high flexibility  
**Poster awards**

# Wednesday, 14 September 2022

## Session 5

**8:30**

Registration

**09:00-09:30**

**Markus Affolter** - From the genome to the proteome and back: novel avenues in developmental biology

**09:30-10:00**

**Nick Devoogt** - Precision nuclear imaging with antibody fragments

**10:00-10:30**

**Peter Dedecker** - Imaging more labels and biosensors using 'smart' probes and PSF engineering

*10:30-11:00*

*Coffee break*

## Session 6

**11:00-11:30**

**Cornelia Halin Winter** - Imaging leukocyte migration through afferent lymphatic vessels

**11:30-12:00**

**Taija Mäkinen** - Illuminating mechanisms of lymphatic vascular morphogenesis and disease

**12:00-12:30**

**Michael Sixt** - How leukocytes generate and sense chemotactic gradient

*12:30*

*Lunch and farewell*