

# The 28<sup>th</sup> Annual BioCity Symposium

# SEEING THE INVISIBLE

## THURSDAY, August 23<sup>rd</sup>

- 09:00 John Eriksson, Åbo Akademi University, Turku Centre for Biotechnology  
*Opening words and presentation of the Elias Tillandz prize for 2017*  
09:30 Stefan Hell, Max Planck Institute for Biophysical Chemistry, Göttingen, Germany  
*Optical microscopy: the resolution revolution*

### SESSION I – Movements across scales (Chair: Pieta Mattila)

- 10:05 Catherine Galbraith, Oregon Health & Science University, US  
*Unraveling cellular decisions by visualizing molecular movements*  
10:40 POSTER SESSION A with coffee/tea and exhibitions  
11:50 Gillian Griffiths, Cambridge Institute for Medical Research, UK  
*A peak inside killer cells: from genes to secretion*  
12:25 Tomas Kirchhausen, Harvard Medical School, Boston, US  
*The miracle of making visible what is otherwise too small to be seen*  
13:00 Lunch and exhibitions

### SESSION II – The bigger picture (Chair: Juhani Knuuti)

- 14:00 Olof Dahlqvist Leinhard, Linköping University, Sweden  
*Phenotypic multiorgan imaging characterization in health and disease*  
14:35 Short presentations selected from poster abstracts  
15:10 POSTER SESSION B with coffee/tea and exhibitions  
16:20 Philipp Keller, Howard Hughes Medical Institute, Janelia Research Campus, Ashburn, US  
*Dissecting embryonic development by high-resolution whole-animal imaging*  
16:55 Gitte Moos Knudsen, Copenhagen University Hospital, Denmark  
*The added synergy of combined MRI and PET neuroimaging*  
17:30 End of symposium  
18:30 Symposium concert at Sibelius Museum (Piispankatu 17)  
19:30 Symposium dinner at Old Academy Building (Rothoviuksenkatu 2)

## FRIDAY, August 24<sup>th</sup>

### SESSION III – Resolving disease complexity (Chair: Johanna Ivaska)

- 09:00 Philip S. Low, Purdue University College of Science, West Lafayette, US  
*Ligand-targeted multimodal imaging of cancer, autoimmune and infectious diseases*  
09:35 Erik Sahai, The Francis Crick Institute, London, UK  
*Novel mechanisms of tumour-stroma crosstalk*  
10:10 POSTER SESSION with coffee/tea and exhibitions  
11:50 Short presentations selected from poster abstracts  
12:25 Jacky Goetz, Inserm, Strasbourg, France  
*In vivo imaging of metastasis at high spatio-temporal resolution*  
13:00 Lunch and exhibitions

### SESSION IV – Imaging bioinformatics - beyond the naked eye (Chair: Pasi Kankaanpää)

- 14:00 Gaudenz Danuser, University of Texas Southwestern Medical Centre, US  
*Getting at the invisible - inference of causality in molecular pathways*  
14:35 Jason Swedlow, University of Dundee, UK  
*Open tools for accessing, integrating, mining and publishing image data @ scale*  
15:10 Anna Akhmanova, Utrecht University, The Netherlands  
*Tips at the edge: CLASping microtubules to the cell cortex*  
15:45 Jyrki Heino, University of Turku, BioCity Turku  
*Closing remarks*



ORGANISED BY: BioCity Turku, University of Turku, Åbo Akademi University  
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