

Järvsö STINT workshop

Jan 29th - Feb 1st 2012



Location:

Harsagården 1, 820 40 Järvsö, Sweden, phone: +46-(0)651-495 11, www.harsa.se

Participating groups:

Experimental Biomolecular Physics, Applied Physics, Royal Institute of Technology (KTH), Sweden

<http://www.biomolphysics.kth.se/>

Cell Physics, Applied Physics, Royal Institute of Technology (KTH), Sweden

<http://www.cellphysics.kth.se/>

Dan Davis' lab, Division of Cell and Molecular Biology, Life Sciences, Imperial College, London, UK

<http://www.dandavislab.co.uk/>

Laboratory of Physical Chemistry of Polymers and Membranes (LCPPM), École polytechnique fédérale de Lausanne (EPFL), Switzerland

<http://lcppm.epfl.ch/>

Lymphocyte Function Group, Ludwig Center for Cancer Research, Université de Lausanne, Lausanne, Switzerland

<http://www.unil.ch/licr/page82829.html>

Center for Immune Modulatory Therapies for Autoimmunity and Cancer, Karolinska Institutet, Stockholm, Sweden

<http://ki.se/ki/jsp/polopoly.jsp?d=38704&l=en>

Department of Microbiology, Tumor and Cell Biology (MTC), Karolinska Institutet, Stockholm, Sweden

<http://ki.se/ki/jsp/polopoly.jsp?a=132789&d=23387&l=en>

Institut für Physicalische Chemie, Heinrich Heine Universität, Düsseldorf, Germany

<http://www.mpc.uni-duesseldorf.de/>

Contact

Sofia Johansson, mobile phone 0046-(0)736341648, email: sofia.e.johansson@ki.se

Stefan Wennmalm, mobile phone +46-(0)70-713 78 70, email: stewen@kth.se

Supported by:



Schedule

Sunday 29th Jan

10.00: Gathering at Östra station/Tekniska högskolan for transport with "Ellénus Buss"

10.15: Bus leaves from Östra station

11.00-11.15: Pickup of participants at Arlanda airport, Arrivals, Terminal 5

13.00-14.00: Lunch break

16.00: Arrival at Järvsö, Harsa-gården

18.00: Dinner

19.00 – 20.15:

Petter Höglund
(KI, Stockholm):

NK cell education.

Alice Brown
(Imperial College, London):

Super-resolution imaging of the Natural Killer cell immune synapse.

Werner Held
(Universite de Lausanne):

Functions and conformations of the Ly49A NK cell receptor.

Monday 30th Jan

08.30 – 9.45:

Björn Önfelt
(KTH, Stockholm):

NK cell surveillance studied over time at the single cell level reveals heterogeneity in the cytotoxic response.

Romain Wyss,

Joachim Piguet
(EPFL, Lausanne):

Fluorescence fluctuations spectroscopy in subwavelength metal apertures array.

11.30-14.00: Lunch at Harsa-gården

16.00 – 16.50:

Horst Vogel
(EPFL, Lausanne):

GPCR mediated signalling in plasma membrane vesicles.

Sophie Pigeon
(Imperial College, London):

Super-resolution imaging of NK cell receptors.

17.00 – 17.50:

Nadia Guerra
(Imperial College, London):

Investigating the role of NK cells in tumor surveillance: Generation of new mouse models for in vivo studies.

Luc Veya
(EPFL, Lausanne):

Single-molecule tracking of G-protein Coupled Receptors using Qdots.

17.50 – 19.00: Dinner

19.00 – 19.50:

Loïc Arm
(EPFL, Lausanne):

Optical trapping: investigating tumor cell membrane properties.

Lei Xu
(KTH, Stockholm):

Cancer diagnosis using FLIM- and STED-analysis.

20.00 – 20.50:

Matthias Urfer,
Thamani Dahoun
(EPFL, Lausanne):

Labeling strategies for investigating biosynthesis and activation of the mouse olfactory receptor mOR256-17 in live cells.

Tuesday 31st Jan

08.30 – 9:45:

Jerker Widengren
(KTH, Stockholm):

STED on platelets.

Thiemo Spielmann
(KTH, Stockholm):

Monitoring the local oxygen concentration in cells using Transient State Imaging.

Jonas Mücke
(KTH, Stockholm):

Combining Single Plane Illumination (SPIM) and Transient State (TRAST) analysis (so far on a planning stage).

11.30-14.00: Lunch at Harsa-gården

16.00 – 16.50:

Sofia Johansson
(KTH, Stockholm):

The role of Ly49 – MHC class I interactions for NK cell regulation and function.

Dominika Rudnicka
(Imperial College, London):

Insights into NK cell-mediated ADCC from imaging studies.

17.00 – 17.50:

Per Thyberg
(KTH, Stockholm):

Fluorescence Correlation Spectroscopy with modulated intensity detection.

Sophie Roizard
(EPFL, Lausanne):

Studying Adenosine Receptors in solid-supported native membranes.

17.50 – 19.00: Dinner

19.00 – 19.50:

Claus Seidel
(HHU, Dusseldorf):

High-precision FRET studies to determine dynamic biomolecular structures.

Stefan Wennmalm
(KTH, Stockholm):

Laser-diffraction Fluctuation Correlation Spectroscopy.

Wednesday 1st Feb

9.00: Departure from Järvsö

12.30: Arrival at Arlanda

13.30: Arrival at AlbaNova, Roslagsvägen 30