



SSI2017

The 44th Annual Meeting of the
Scandinavian Society for Immunology
17-20 October 2017, Stockholm, Sweden



PROGRAMME



www.SSI2017.se



TUESDAY 17th October

SSI 2017 - WELCOME RECEPTION

19.00 - 21.00

Welcome to the magnificent Stockholm City Hall, one of Sweden's most famous buildings, and one of the capital's most visited tourist attractions. It is famous for its grand ceremonial halls and unique art pieces and is the venue of the Nobel Prize banquet held on 10th of December each year. Stockholm City Hall is hosted by The City of Stockholm and the Stockholm County Council

Pre-registration is required

Address: Hantverkargatan 1
Approximately 5 minutes walk from the
conference venue, Clarion Hotel Sign



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REGISTRATION

The first on site registration for SSI2017 opens

Tuesday 17 October, 16:00-19:00 at Clarion Hotel Sign (lobby area).

Note that all participants attending the Welcome Reception at Stockholm City Hall, has to register and pick-up an invitation card. The card is your entrance ticket and needs to be shown when attending the City Hall. Please be at the City Hall at 18:45.

During the SSI2017 the **opening hours** for Registration and Information desk are:

Wednesday 18 October – 07:30-14:00

Thursday 19 October – 08:00-11:00

Friday 20 October – 10:00-14:00

Please wear your name badge during the whole conference. The badge is your entrance ticket.

SATELLITE SYMPOSIA

Monday 16th October

Microbiota in respiration and cardiovascular disease, Karolinska Respiration and Circulation Network (KIRCNET)

15.00 – 17.00 at Faculty Club, Karolinska University Hospital, Solna

Tuesday 17th October

Autumn School: The expanding tool box of immunological techniques

09.00-17.00 at KI Solna Campus (Nobel Forum), Nobels väg 1, 17165 Solna

The symposium of the Scandinavian Network for Immunotherapy of Cancer (SNIC)

12.45-17.00 (Lunch 11.30-12.30) at CCK 5th floor, KS

Innate Immunity in Cancer and Tissue Damage, Nordic Complement Committee

15.00-17.00 at Rolf Luft lecture hall at building L1, Karolinska University Hospital, Solna

Pre-registration required



WEDNESDAY 18th October (AM)

SESSION

1

08.30 – 10.15

Innate immunity and the immune environment I

Chairs: Ann-Charlotte Wikström, Karolinska Institutet, Sweden

Ulf Yrlid, Gothenburg University, Sweden

- 08.30 – 08.55 **Alberto Mantovani**, Humanitas Research Hospital Milan, Italy
The interplay between cellular and humoral innate immunity in defence and tissue repair
- 09.00 – 09.25 **Nelson Gekara**, Umeå University, Sweden
DNA damage signaling in innate immunity
- 09.30 – 09.40 **Waltraud Schrottmaier**, Umeå University, Sweden
Activation of circulating platelets leads to innate-like delivery of potent antiviral anti bodies
- 09.45 – 09.55 **Ebba Sohlberg**, Karolinska Institutet, Sweden
Profound NK cell differentiation block in a subgroup of neutropenic patients
- 10.00 – 10.10 **Minghui He**, Karolinska Institutet, Sweden
B cells expressing overactive WASp in X-linked neutropenia show decreased germinal center formation and increased plasma cell differentiation
- 10.15 – 10.45 **COFFEE BREAK (30 min)**

SESSION

2

10.45 - 12.30

Innate immunity and the immune environment II

Chairs: Mattias Forsell, Umeå University, Sweden

Jóna Freysdóttir, University of Iceland, Iceland

- 10.45 – 11.10 **Mathias Hornef**, University of Aachen, Germany
Ontogeny of the innate host response to intestinal infection
- 11.15 – 11.40 **Giuseppe Matarese**, University of Naples Federico II, Italy
Metabolic control of immune tolerance
- 11.45 – 11.55 **Kerstin Wendland**, Lund University, Sweden
The role of retinoic acid signaling in thymic function
- 12.00 – 12.10 **Sara Martina Parigi**, Karolinska Institutet, Sweden
Crosstalk between innate lymphoid cells and T cells enhances IL-22 production
- 12.15 – 12.25 **Rubin Joshi**, Karolinska Institutet, Sweden
Human regulatory T cells suppress CD4+ T cells by rapidly altering the phosphoproteome
- 12.30 – 14.00 **LUNCH (90 min)**
- 13.00 – 14.00 **SSI council meeting** (SSI board members only)



WEDNESDAY 18th October (PM)

13.15 - 13.55

CUTTING EDGE SEMINAR - Miltenyi Biotec

Alexander Scheffold, Charité Berlin, Germany

Human antigen specific regulatory T cells mediate tolerance against aeroantigens

Provided by SSI 2017 main sponsor Miltenyi Biotec

SESSION

3

14.00 -15.00

Basic Immunology 1

Chairs: Lill Mårtensson-Bopp, Gothenburg University, Sweden

Mikael Sigvardsson, Linköping University, Sweden

14.00 – 14.25

Daniel M Davis, University of Manchester, UK.

Using super-resolution microscopy to watch immune cells kill

14.30 – 14.40

Christopher Sundling, Gavan Institute of Medical Research, Australia

Counter-selection versus switching in the demise of IgM+ germinal center B cells

14.45 – 14.55

Natasja Wulff Pedersen, Denmark Technical University, Denmark

Automated identification of MHC multimer-binding T cells

15.00 – 15.45

COFFEE BREAK (45 min)

15.15 – 15.35

SPONSOR SEMINAR I - Stemcell Technologies

Bruno Zaragoza, PhD, Field Application Scientist, Europe

Fast and Easy Isolation of Rare Immune Cells

SESSION

4

15.45 - 16 45

Tumor Immunology I

Chairs: Mikael Karlsson, Karolinska Institutet, Sweden

Susanna Cardell, Gothenburg University, Sweden

15.45 – 16.10

Padmanee Sharma, MD Andersson Cancer Center, USA

From the clinic to the lab: Investigating response and resistance mechanisms to immune checkpoint therapy

2017 Nordic Foundation speaker

16.15 – 16.25

Marit Inngjerdigen, Oslo University Hospital, Norway

Resistance of T cell acute lymphoblastic leukemia to autologous rat NK cells is reversed by IL-12, IL-15, and IL-18

16.30 – 16.40

Tanja Lövgren, Uppsala University, Sweden

Immunological biomarkers correlate to survival in CAR19-treated patients

16.45 – 18.15

POSTER VIEWING

17.15 – 19.15

SJI Editorial Board Meeting (by special invitation)



THURSDAY 19th October (AM)

SESSION
5

08.30 - 10.15

Tumor Immunology II

 Chairs: Andreas Lundqvist, Karolinska Institutet, Sweden
Kristina Lejon, Umeå University, Sweden

- 08.30 – 08.55 **Gunnar Pejler**, Stockholm University, Sweden.
The role of mast cells and their proteases in melanoma
- 09.00 – 09.25 **Nathaniel West**, Genetech, USA
The OSM-stromal cell axis in gut inflammation
- 09.30 – 09.40 **Paulina Akeus**, Gothenburg University, Sweden
Depletion of Treg promotes chemokine production and accumulation of CXCR3+ T cells in intestinal tumors
- 09.45 – 09.55 **Kristina Witt**, Karolinska Institutet, Sweden
Cripto-1 vaccination elicits protective immune response to metastatic breast cancer and breast CSC

 10:00 – 10:45 **COFFEE BREAK (45 min)**

- 10.15 – 10.35 **SPONSOR SEMINAR II - BD BIOSCIENCES**
Enabling deep scientific insights with High-Parameter Solutions
Sara Johansson, Ph.D. Technical Sales Specialist, BD Biosciences

SESSION
6

10.45 - 13.30

Basic Immunology II

 Chairs: Seppo Meri, University of Helsinki, Finland
Karin Loré, Karolinska Institutet, Sweden

- 10.45 – 11.10 **Gunilla Karlsson-Hedestam**, Karolinska Institutet, Sweden
Enabling deep scientific insight with High-Parameter Solution
- 11.15 – 11.25 **Christian Pou**, Karolinska Institutet, Sweden
Maternal antibodies against all human viruses monitored longitudinally in human newborns
- 11.30 – 11.40 **Sophia Björkander**, Stockholm University, Sweden
EBV-latency accelerates the decay of childhood vaccine responses
- 11.45 – 11.55 **Silke Sohn**, Karolinska Institutet, Sweden
Scavenger receptor regulation of macrophage polarization.
- 12.00 – 12.10 **Raine Toivonen**, University of Turku, Finland
Gut dysbiosis induces dendritic-cell traffic from colon to pancreatic lymph node: implications for activation of islet-reactive T cells in type 1 diabetes
- 12.15 – 13.45 **LUNCH (90 min)**
- 12.45 – 13.45 **SSI General Assembly (for all SSI members)**



THURSDAY 19th October (PM)

SESSION

7

13.45 - 14.45

Autoimmunity I

Chairs: Anne Spurkland, University of Oslo, Norway

Fredrik Wermeling, Karolinska Institutet, Sweden

- 13.45 – 14.10 **Ken Smith**, University of Cambridge, UK.
Predicting and explaining long-term outcome in autoimmune and inflammatory disease.
- 14.15 – 14.25 **Harald Lund**, Karolinska Institutet, Sweden
TGF-beta defines microglia and monocyte function in the central nervous system.
- 14.30 – 14.40 **Ramil Hakim**, Karolinska Institutet, Sweden
Histocompatibility of mouse bone marrow-derived mesenchymal stem cells transplanted into experimental spinal cord injury causes polarization of microglia towards the M2 phenotype and improved functional recovery.
- 14.45 – 15.30 **COFFEE BREAK (45 min)**
- 15.00 – 15.20 **SPONSOR SEMINAR III - Agilent technologies**
Measure Immune Cell Activation in Minutes - in real-time
Lars Martlev, Agilent Technologies

SESSION

8

15.30 - 17.00

Autoimmunity II

Chairs: Silke Appel, University of Bergen, Norway

Sandra Kleinau, Uppsala University, Sweden

- 15.30 – 15.55 **Jan Rehwinkel**, University of Oxford, UK
Sensing and Restricting: Innate Immune Control of Virus Infection
- 16.00 – 16.25 **Peder Olofsson**, Karolinska Institutet, Sweden
Bioelectronic medicine in regulation of inflammation and treatment of inflammatory disease
- 16.30 – 16.40 **Jonathan Coquet**, Karolinska institutet, Sweden
Establishing the requirements for robust Th2 immunity in asthma.
- 16.45 – 16.55 **Mattias Magnusson**, Linköping University, Sweden
CTLA-4 mediates IDO- and Treg-dependent protection against antigen-induced arthritis induced by IFN-alpha
- 17.00 – 18.30 POSTER VIEWING
- 19.30 – 23.00 **Conference party** at Clarion Sign Hotel (ticket required)



FRIDAY 20th October (AM)

Immunotherapy I

Chairs: [Trevor Owens, University of Southern Denmark, Denmark](#)

[Marianne Quiding-Järbrink, University of Gothenburg, Sweden](#)

SESSION

9

08.30 - 10.15

- 08.30 – 08.55 **Fredrik Piehl**, Karolinska Institutet, Sweden
B-cell depletion in neurological autoimmune disease.
- 09.00 – 09.25 **Anna Villa**, Ospedale San Raffaele, Milan, Italy
Platelet defect in Wiskott Aldrich Syndrome: new insights from mouse model and patients.
- 09.30 – 09.40 **Di Yu**, Uppsala University, Sweden
Adenovirus, Semliki Forest virus and vaccinia virus-induced immunogenic cell death augments oncolytic virus immunotherapy.
- 09.45 – 09.55 **Jonas Nilsson**, University of Gothenburg, Sweden
Clinical responses to adoptive T-cell transfer can be modeled in PDXv2.0 - a novel autologous immune-humanized melanoma mouse model
- 10.00 – 10.15 **Sharesta Khoenkhoen**, Karolinska Institutet, Sweden
I κ BNS-deficiency attenuates TAC1 function and impairs Pax5 downregulation during plasma cell differentiation
- 10:15 – 10:45 **COFFEE BREAK (15 min)**

SESSION

10

10.45 - 12.15

Immunotherapy II

Chairs: [Anders Örn, Karolinska Institutet, Sweden](#)

[Magnus Essand, Uppsala University, Sweden](#)

- 10.45 – 11.10 **Bill Murphy**, UC Davis, USA.
What goes up must come down: immune system dynamics impacting cancer immunotherapy
- 11.15 – 11.40 **Johanna Olweus**, University of Oslo, Norway
T-cell Immunotherapy of cancer
- 11.45 – 12.10 **Shannon Maude**, Childrens hospital of Philadelphia, USA
Harnessing the cytotoxicity of T cells to treat acute lymphoblastic leukemia
2017 IMTAC speaker
- 12.15 – 14.00 End of meeting and lunch



SSI2017 Sponsor

We thank all sponsors for their generous support and contribution.

Main sponsor



Sponsors



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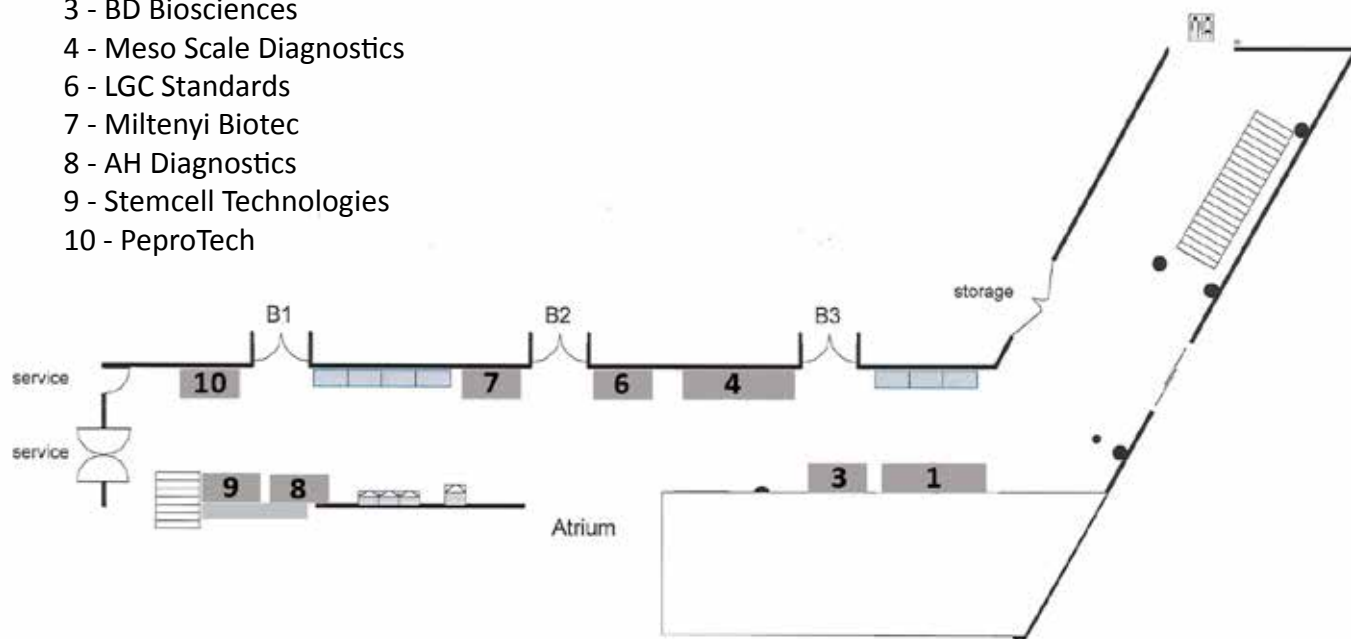
Academic sponsors



Exhibition floor plan

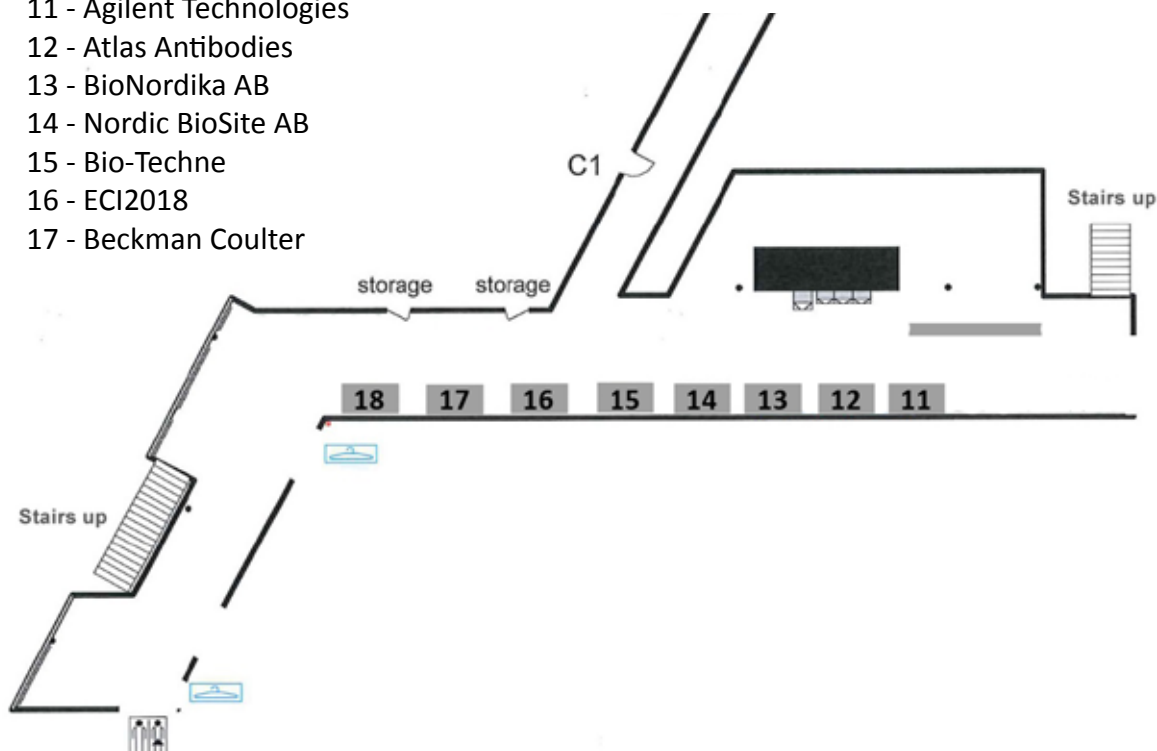
Exhibitor 1st floor:

- 1 - Merck
- 3 - BD Biosciences
- 4 - Meso Scale Diagnostics
- 6 - LGC Standards
- 7 - Miltenyi Biotec
- 8 - AH Diagnostics
- 9 - Stemcell Technologies
- 10 - PeproTech



Exhibitor 2nd floor:

- 11 - Agilent Technologies
- 12 - Atlas Antibodies
- 13 - BioNordika AB
- 14 - Nordic BioSite AB
- 15 - Bio-Techne
- 16 - ECI2018
- 17 - Beckman Coulter





Next year the SSI annual meeting is within the ECI meeting and we are happy to welcome you all to Amsterdam 2nd to 5th of September 2018.

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Save the date

REGISTRATION

OPEN NOW!

ABSTRACT SUBMISSION

Start January, 2018

End April, 2018

5th European Congress of Immunology

AMSTERDAM/NL
SEPTEMBER 2-5

2018

Amsterdam awaits you!

www.eci2018.org



Under the auspices of EFIS, European Federation of Immunological Societies

www.efis.org

and the Dutch Society for Immunology, NVVI

www.dutchsocietyimmunology.nl