Norwegian Society for Immunology

Agenda

Annual General Assembly 2006

Program

Annual General Meeting 2006

Oslo, November 22nd, 2006, Domus Medica

www.norwegianimmunology.org

Program in brief

13:30-14:45 Annual General Assembly 2006

15:00-19:00 Annual General Meeting 2006
15:00-16:00 Main lecture: Prof. Hans-Gustaf Ljunggren
16:00-16:15 Break
16:15-17:00 Abstract session I
17:00-17:15 Break
17:15-18:00 Abstract session II
18:15-19:00 Poster session

19:00-01:00 Party! Tapas, wine, soft drinks, snacks, music, dance, new friends

The Annual General Assembly and Annual General Meeting will be held in Lille Auditorium, Domus Medica, Gaustad.

The poster session, dinner and party will be held in the "Forvalterboligen", Gaustad

Annual General Assembly 2006, Agenda

- **Opening and welcome by the President**
  - **Approval of the agenda**
- **Annual report from the board**
  - **Presentation of the board**
  - **NSI meeting history/activities 2005-2006**
  - **Economy**
  - **Approval of the annual report with statutory accounts**
- **Information about the Scandinavian Society for Immunology**
- **Elections**
  - **New board members**
  - **Election committee**
  - **Auditors**
  - **Approval of local board in Bergen**
- **Proposal from the board**
  - **Membership fees 2007**
- **Other matters**

NSI Annual Meeting Main Lecture

Date: Wednesday, November 22, 15:00 – 16:00
Venue: Lille Auditorium, Domus Medica, Gaustad

Professor Hans-Gustaf Ljunggren

"NK cells - Activation, tumor recognition and immunotherapeutic strategies against cancer"

Abstract

Using reductionism approaches, we have started to delineate the mechanisms behind activation of resting human NK cells. Activation of resting NK cells for cytotoxicity is induced by specific combination of different activation receptors, signaling via distinct pathways. A detailed analysis of the contribution of signaling via individual receptors reveal distinct qualitative responses including granule polarization and degranulation, each contributing to effector function in natural cytotoxicity (Bryceson et al., JEM, 2005; Bryceson et al., Blood 2006). Although NK cells are known for their ability to kill tumors, surprisingly few studies have investigated the interactions between resting (non-activated) NK cells and freshly isolated human tumors. Using knowledge obtained from reductionism approaches described above, we have approached more complex systems including that of human tumors. For several human tumors, we delineate ligands and receptors involved in activation of resting NK cells. Based on these and other findings in our laboratory, current ongoing and future strategies for NK cell-based immunotherapy against human cancer will be discussed.

About the speaker

Hans-Gustaf Ljunggren MD, PhD, received his degrees from the Karolinska Institutet. Ljunggren has conducted post doctoral research at MIT, Boston, USA. Dr Ljunggren is currently a professor at the Department of Medicine, Karolinska Institutet, a position he has held since 2001. Ljunggren has published some 175 papers within immunology, in particular on NK cells. His general scientific interest is in the understanding of the molecular basis for initiation of immune responses. Much of his research has focused on NK cells, where he has made original discoveries with regards to their molecular specificity. Although many of his studies started off from a basic scientific approach in experimental models, his focus has more recently shifted towards more human oriented and in part translational oriented research projects. One strong current interest lies in the understanding of activation of human natural killer (NK) cells and in the possibility of using such cells in treatment of human hematological malignancies, e.g., in adoptive immunotherapy.

Welcome!

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Scientific program

Abstracts selected for oral presentation, session I

- **Characterization of two subsets of rat NK cells**
  Marit Inngjerdingen, Christian Naper, Ke-Zheng Dai, Bent Rolstad, John Torgils Vaage, and Lise Kveberg.

- **Structure-function analysis of the interaction of the adapter molecule TSAd with Lck**
  Stine Granum, Vibeke Sundvold-Gjerstad, Thorny Cesilie Bie Andersen, Tone Berge, Anne Spurkland,

  [1]Department of Anatomy, Institute of Basic Medical Sciences, University of Oslo, Box 1105, Blindern, N-0317 Oslo, Norway

- **An insect cell derived protein with a high affinity to soluble HLA-DQ2**
  Ulrike Jüse, Burkhard Fleckenstein and Ludvig M. Sollid

  Institute of Immunology, University of Oslo, Rikshospitalet University Hospital, Oslo

- **Monoclonal antibodies against the candidate lupin allergens α-conglutin and β-conglutin.**
  Maaike M.B.W. Dooper,[†1] Lise Holden,[‡*1] Christiane K. Fæste,[‡] Keith M. Thompson[†] and Eliann Egaas[‡] .

  [†] Institute of Immunology, University of Oslo and Rikshospitalet University Hospital, [‡] National Veterinary Institute, Oslo, Norway.

- **XENOTRANSPLANTATION**
  Marit Sæthre

  Complement Reaseach group, IMMI, Rikshospitalet-Radiumhospitalet

Abstracts selected for oral presentation, session II

- **The medicinal mushroom Agaricus blazei Murill has immuno-modulating activities and stimulates Toll-like receptors 2 and 4.**
  Hetland G, Førland D, Ryan L, Espevik T.

- **Developing recombinant antibody-based DNA vaccines for patients with follicular lymphoma**
  Pier A. Ruffini, Grete F. Lauritzsen[1], Jan Delabie[2], Agnete B. Fredriksen, Harald Jr Holte[1] and Bjarne Bogen

  Institute of Immunology, [1]Department of Medical Oncology and [2]Department of Pathology, Rikshospitalet-Radiumhospitalet Medical Center, University of Oslo

- **Generation of allo-restricted T cells for immunotherapy**
  Ingerid W. Abrahamsen*, Erlend Strønen*, Finn-Eirik Johansen, Søren Buus, Gustav Gaudernack, Fridtjof Lund-Johansen, Johanna Olweus, *contributed equally

- **Multiple sclerosis: Phenotype of cerebrospinal fluid T cells specific for glatiramer acetate**
  Anne Lise K. Hestvik, Gjertrud Skorstad, Frode Vartdal og Trygve Holmøy

  Rikshospitalet-Radiumhospitalet Medical Center, Institute of Immunology, University of Oslo, Oslo, Norway, Dept. of Neurology, Ullevål University Hospital, Oslo, Norway

Abstracts selected for poster presentation

- **Vaccinia virus complement control protein (VCP) is an efficient inhibitor of porcine complement**
Ebbe B. Thorgersen[a], Yohannes T. Ghebremariam[b], Erik Waage Nielsen[c], Girish J. Kotwal[b], Tom Eirik Mollnes[a]

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- **The immunoproteome of pancreatic cancer**
Lene Alsøe[1], Ali Areffard[1], David Hinselwood[1], Kari Lislerud[1], Sissel Trachsel[1], Ellen Fossberg[1], Ulla Heggelund[1], Herald Reiersen[2], Björn Cochlovius[2] and Gustav Gaudernack[1]

[1]Department of Immunology, Institute of Cancer Research, Rikshospitalet-Radiumhospitalet HF, Montebello, 0310 Oslo, Norway
[2]Affitech AS, Oslo Research Park, Gaustadalleen 21, 0349 Oslo, Norway

- **New immunoglobulin knock-in mice for studies of immune regulation**
Johanne Jacobsen, Karoline W. Schjetne, Bjarne Bogen

Institute of Immunology, University of Oslo, Rikshospitalet-Radiumhospitalet Medical Center

- **Role of secretory antibodies and commensal flora in DSS-induced colitis in mice**
Alexander Erofeev[*], Grzyb Krzysztof [‡], Finn-Eirik Johansen[*]

[*]Laboratory for Immunohistochemistry and Immunopathology LIIPAT, University of Oslo, Rikshospitalet - Radiumhospitalet Medical Center; [‡]Department of Pathology, Rikshospitalet - Radiumhospitalet Medical Center