

UiO FOCIS CoE – Symposium

Title: *Thymic selection of T cells*

Date: Monday, September 16, Grønt Auditorium, Rikshospitalet.

Time: 10:45 – 12:15. Refreshments will be served from 10:30.

Program:

10:45 – 11:30 Visiting Professor, Kristin Hogquist, Department of Laboratory Medicine and Pathology, University of Minnesota, US.

Title: *The thymus, a raucous nursery*

11:30 – 11:45 Questions and discussions

11:45 – 12:05 Marte Heimli, Department of Medical Genetics, University of Oslo, Norway

Title: *A multi-modal view of the human thymus*

12:05 – 12:15 Questions and discussions

We look forward to seeing you there!

Kristin Hogquist

PhD, Professor

David M. Brown Professor and Vice Chair for Research

Department of Laboratory Medicine and Pathology

University of Minnesota, US



Title: The thymus, a raucous nursery

(Photo: University of Minnesota, US)

Kristin Hogquist is an American immunologist. She holds the David M. Brown Endowed Professorship and is Associate Director of the Center for Immunology at the University of Minnesota. Hogquist's lab is primarily interested in T cell development in the thymus. She studies how selection processes shape the T cell repertoire to achieve a highly effective and self-tolerant adaptive immune system.

Marte Heimli

PhD, Posdoc.

Department of Medical Genetics

University of Oslo



Title: A multi-modal view of the human thymus

*(Photo: Åsne Rambøl Hillestad,
University of Oslo)*

The interplay between immature T cells, antigen presenting cells, and stromal cells in the thymus is crucial for the establishment of immunological self-tolerance. We have employed multi-modal single-cell and spatial technologies to characterize cell types and microenvironments in the human young paediatric thymus. The results have permitted us to infer potential cell-cell interactions, developmental trajectories, and gene regulatory networks, enhancing understanding of T cell development and selection.