

UiO FOCIS CoE – Seminar

Title: ***CD4+ T cell responses in the gut***

Date: Thursday, June 3rd. Open event, Zoom link:

<https://uiو.zoom.us/j/67440407332?pwd=N3NTEHdaaVFobHJZbVJqY0tzNitQUT09>

Meeting ID: 674 4040 7332

Passcode: 836109

Time: 15:00 – 17:00 (CEST)

Program:

- 15:00 – 16:00 Marc Jenkins, Department of Microbiology and Immunology, University of Minnesota.
- Title: ***The very different CD4+ T cell responses to infection and food***
- 16:00 – 16:30 Asbjørn Christophersen, Department of Immunology, University of Oslo, Norway.
- Title: ***Persistence, phenotype and function of gluten-specific CD4+ T cells in celiac disease***
- 16:30 – 17:00 Raquel Bartolomé Casado, Department of Pathology, Oslo University Hospital, Norway.
- Title: ***Long-term maintenance of CD4+ T cells in human small intestine***

We look forward to your attendance!

Marc Jenkins

University of Minnesota
USA



The very different CD4+ T cell responses to infection and food.

CD4+ T cells recognize MHCII-bound microbial peptides and participate in immune responses to infection but fail to attack the foreign peptides in food. This presentation will delve into the mechanisms that underlie this dichotomy.

Asbjørn Christophersen

University of Oslo
Norway



Phenotype, function and longevity of gluten-specific CD4+ T cells in celiac disease

Celiac disease patients, but not healthy controls, possess clonally expanded CD4+ T-cells specific to gluten from wheat, rye and barley. This presentation will discuss several properties of gluten-specific CD4+ T cells and how these may be exploited for therapeutic intervention and better diagnosis.

Raquel Bartolomé Casado

Oslo University Hospital
Norway



Long-term maintenance of CD4+ T cells in human small intestine

The long-term persistence of CD4+ resident memory T cells in human tissues has been debated. This presentation will give insights about the longevity, phenotype and functional characteristics of different populations of intestinal CD4+ T cells in humans.