



12-14 May

# Summer School 2025

## The innate immune system in barrier health



LEO Foundation  
Skin Immunology  
Research Center

## Programme

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### Monday 12th of May

- 10:30 Registration for bus to Hornbæk  
11:00 Bus leaves central Copenhagen  
12:00 Arrival and lunch at Hotel Bretagne

### SESSION 1: Neuro-immune interactions I

Chairs: Mia Hamilton Jee & Luiza Moraes Holst · Location: Hotel Bretagne

- 13:00 Welcome  
13:10 Caroline Sokol (Harvard University, USA)  
*Scratching the Surface: Neuroimmune control of allergic immunity*  
13:45 Claire Higgins (Imperial college, UK)  
*Skin derived neuropeptides and their impact on skin health*  
14:20 Short Talk 1: Raman Gill (Icahn School of Medicine at Mount Sinai, USA)  
*Single-cell spatiotemporal profiling of type 2 skin inflammation reveals a pro-inflammatory basophil-fibroblast axis*  
14:30 Short Talk 2: Aaroh Anand Joshi (Medical University of Graz, Austria)  
*Fibrofensin: a previously uncharacterised beta-defensin expressed by dermal fibroblasts*  
14:40 Break



## SESSION 2: Neuro-immune interactions II

Chairs: Julie Friis Weber & Albert Duvetorp · Location: Hotel Bretagne

- 15:10 Lilian Basso (INSERM, France)  
*Distinct nociceptor roles in inflammation and itch revealed by subset-specific transcriptomic adaptation*
- 15:45 Jesper Elberling (Herlev and Gentofte hospital, Denmark)  
*Skin Immunology: What's sensory got to do with it?*
- 16:20 Short Talk 3: Darawan Tabtim-On (Institut Curie, France)  
*Transient skin stretching stimulates immune surveillance and amplifies trans-cutaneous allergen sensitisation*
- 16:30 Short Talk 4: Malin Jessen (SIC, University of Copenhagen, Denmark)  
*The LUBAC-SPATA2-CYLD complex has distinct roles in modulating skin inflammation driven by cell death and cytokine signalling*
- 16:40 Short Talk 5: Paolo D'Avino (SIAF, University of Zurich, Switzerland)  
*Unveiling the different effects of IL-4, IL-13 and IL-22 on the epithelial barrier and human skin inflammation'*
- 16:50 Short introductions from scientists presenting posters

Break and check-in at  
Hotel Bretagne/Hornbækhus/Villa Strand

Location: Hornbækhus

- 19:00 "Meet the speakers" dinner
- 20:30 Poster session
- 22:00 Poster session closes
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## Programme

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### Tuesday 13th of May

7:30-8.45 Breakfast at Hotel Bretagne/Hornbækhus

#### SESSION 3: Sensing antigens in the skin

Chairs: Isabel Ulmert & Peter Tougaard · Location: Hotel Bretagne

- 9:00 Franca Ronchese (Malaghan Institute of Medical Research, New Zealand)  
*Induction of allergic immune responses by skin dendritic cells*
- 9:35 Paola Di Meglio (King's College London, UK)  
*The Aryl Hydrocarbon Receptor (AHR): Peacekeeper of the skin*
- 10:10 Itziar Martinez Gonzalez (Karolinska Institutet, Sweden)  
*Cross-Tissue immunity mediated by memory ILC2s'*
- 10:45 Break

#### SESSION 4: Barrier cross-talk

Chairs: Erik van Tilburg Bernardes & Chella Krishna Vadivel

Location: Hotel Bretagne

- 11:15 Ben Marsland (Monash University, Australia)  
*Exploring host-microbe and their impact on barrier tissue integrity*
- 11:50 Melanie Conrad (Charité, Germany)  
*Antibiotic use during pregnancy: the influence of maternal gut microbial dysbiosis on offspring barrier function and immune system development*
- 12:25 Short Talk 6: Ida Wang Henriksen (LEO Pharma, University of Copenhagen, Denmark)  
*Investigating the impact of wild mouse fecal microbiota transplantation on ovalbumin-induced skin inflammation in pre-immunised BALB/c mice*
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- 12:35 Short Talk 7: Venla Väänänen (University of Copenhagen, Denmark)  
*In-depth profiling of conventional dendritic cell populations and transcriptomics in Crohn's disease*
- 12:45 Short Talk 8: Kilian Maire (University of Copenhagen, Denmark)  
*Fine-tuning levels of filamins A and B as a specific mechanism sustaining Th2 lymphocyte functions*
- 12:55 Short introductions from scientists presenting posters

Lunch

14:00 **Outing – Guided tour of Kronborg Castle, Helsingør**

Location: Hornbækhus

- 17:00 Danish "hygge" with coffee, tea & cake
- 19:00 "Meet the speakers" dinner
- 20:30 Poster session
- 22:00 Poster session closes



## Programme

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### Wednesday 14th of May

7:30-8.45 Breakfast and check-out at Hotel Bretagne/Hornbækhus

#### SESSION 5: T cells in tissue barriers

Chairs: Wenning Zheng & Camilla Koldbæk Lemvig

Location: Hotel Bretagne

- 9:00 Vasileios Bekiaris (Technical University of Denmark, Denmark)  
*Neonatal development and homeostasis of IL-17-producing gd T cells in the gut*
- 9:35 Fabio Luciani (University of New South Wales, Australia)  
*Immunogenomics analysis to unravel pathogenic rogue T cell clones*
- 10:10 Short Talk 9: Veronica La Blanca (CNR-IFT, Italy)  
*Exploring the role of ABCC1 in Squamous Cell Carcinoma*
- 10:20 Short Talk 10: Jennifer Shelley (Imperial College London, UK)  
*The role of B cells and tertiary lymphoid structures for immune surveillance in cutaneous squamous cell carcinoma*
- 10:30 Break
- 11:00 Terkild Brink Buus (University of Copenhagen, Denmark)  
*Malignant Persistence in Cutaneous T-cell Lymphoma: Divergent Evolution and Bacterial Interactions*
- 11:35 Wrap-up and awards for best Poster and Short Talk
- 12:00 Lunch
- 13:00 Departure from Hotel Bretagne
- 14:00 Optional tour of SIC/drop-off at central Copenhagen

*The programme may be subject to change.*

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*Organisers from LEO Foundation Skin Immunology Research Center,  
University of Copenhagen, Denmark:*

*Scientific committee: Jonathan Coquet, Charlotte Menné Bonefeld,  
Anders Woetmann and William Agace.*

*Coordinator and administration: Hannah Paludan.*

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## Venue

The SIC Summer School will be held at atmospheric Hotel Hornbækhus, acclaimed as one of Europe's best seaside hotels for its scenic surroundings in Hornbæk, Denmark and the equally charming Hotel Bretagne. Visit [hornbaekhus.com/en](http://hornbaekhus.com/en) and [en.hotelbretagne.dk](http://en.hotelbretagne.dk) for details.

Accommodation will be provided at Hotel Hornbækhus, Villa Strand (which is part of Hornbækhus) and Hotel Bretagne.

Breakfast will be at the hotel you are staying at. Occupants of Villa Strand will have breakfast at Hornbækhus. Lunch will be served at Hotel Bretagne and dinner will be served at Hornbækhus.

A limited number of bicycles will be available – if you are interested in borrowing one, contact Hannah Paludan at [sic@sund.ku.dk](mailto:sic@sund.ku.dk).

## Addresses

Hotel Bretagne  
Sauntevej 18, 3100 Hornbæk

Hotel Hornbækhus  
Skovvej 7, 3100 Hornbæk

Villa Strand  
Kystvej 12, 3100 Hornbæk

## Transportation

We have organised a bus to pick up participants on Monday the 12th of May at Frue Plads, by Vor Frue Church – next to the oldest part of the University of Copenhagen – a five-minute walk from Nørreport station. The bus will leave at 11:00 sharp, so we urge you to turn up early. The bus trip will take approximately one hour.

We have also organised a bus back to Copenhagen, and this will leave after lunch at Hotel Bretagne on Wednesday the 14th of May. The bus will leave Hotel Bretagne at 13:00 hrs. The first drop-of point will be the Mærsk Tower for the SIC tour and the second drop-off point will be back at Frue Plads at approx. 14:30 hrs.

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If you are taking public transport, please note that the journey takes approx. 1 hr. 45 mins from the airport.

You can plan your trip and find train departure times at [www.journeyplanner.dk](http://www.journeyplanner.dk)

If you are arriving by car – free parking is available at both hotels.

### **Short talks and poster session**

If you have been asked to give a short talk in the programme, we ask you to bring your presentation on a USB drive and coordinate with Hannah Paludan before the session begins. A separate e-mail has been sent to the presenters.

The poster sessions will take place at Hornbækhus. Please hang your poster on your designated poster board upstairs in the conference room (1st floor) before the dinner on Monday (which starts at 19:00 hrs.). Your poster number can be found in the abstract book which can be downloaded from Conference Manager. Posters must be removed no later than Wednesday morning before session 5 starts but we recommend taking it down Tuesday after the poster session. Posters not removed will be discarded. Poster dimensions: Max 138 x 92 cm (H x W).

### **Invited speakers**

- Ben Marsland, Monash University, Australia
  - Caroline Sokol, Harvard Medical School, USA
  - Claire Higgins, King's College London, UK
  - Fabio Luciani, University of New South Wales, Australia
  - Franca Ronchese, Malaghan Institute, New Zealand
  - Itziar Martinez, Gonzalez Karolinska Institutet, Sweden
  - Jesper Elberling, Herlev and Gentofte Hospital and UCPH, Denmark
  - Lilian Basso, Toulouse III - Paul Sabatier University, France
  - Melanie Conrad, University of Augsburg, Germany
  - Paola Di Meglio, King's College London, UK
  - Terkild Brink Buus, University of Copenhagen, Denmark
  - Vasileios Bekiaris, Technical University of Denmark, Denmark
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## Participant list

Albert Duvetorp, University of Copenhagen, Denmark  
Alexandra Teresa Seibel, University of Copenhagen, Denmark  
Alma Lindell, University of Copenhagen, Denmark  
Anders Woetmann, University of Copenhagen, Denmark  
Andrea Sonnenholzner, University of Copenhagen, Denmark  
Andreas Bagger, Aarhus University, Denmark  
Aneta Jurkiewicz, Aarhus University, Denmark  
Anna Skarnvad Andersen, Aarhus University, Aarhus University Hospital, Denmark  
Anna Hammerich Thysen, Technical University of Denmark, Denmark  
Bill Agace, University of Copenhagen, Denmark  
Camilla Koldbæk Lemvig, University of Copenhagen, Denmark  
Catherine Mergen, Leiden University, Netherlands  
Charlotte Menné Bonefeld, University of Copenhagen, Denmark  
Chella Krishna Vadivel, University of Copenhagen, Denmark  
Christian Ashworth, University of Copenhagen, Denmark  
Daniel Jair Enriquez Vera, Kagoshima University, Japan  
Darawan Tabtim-On, Institut Curie, Université PSL, France  
Edda Pupe Blümel, University of Copenhagen, Denmark  
Emma Ewing, University of Copenhagen, Denmark  
Erik van Tilburg Bernardes, University of Copenhagen, Denmark  
Eva Benfeldt, LEO Foundation, Denmark  
Eva Bang-Hansen, LEO Foundation, Denmark  
Frederikke Mortensen, University of Copenhagen, Denmark  
Gina Lindberg, University of Copenhagen, Denmark  
Gloria Pokuaa Manu, University of Ghana, Ghana  
Hannah Paludan, University of Copenhagen, Denmark  
Herielly Msuya, Kilimanjaro Christian Medical University College, Tanzania  
Ida Wang Henriksen, LEO Pharma, University of Copenhagen, Denmark  
Isabel Ulmert, University of Copenhagen, Denmark  
Jennifer Shelley, Imperial College London, United Kingdom  
John Rizk, University of Copenhagen, Denmark  
Jonathan Coquet, University of Copenhagen, Denmark  
Julie Weber, University of Copenhagen, Denmark  
Julius Lingnau, Rheinische Friedrich-Wilhelms-Universität Bonn, University Clinic Bonn, Germany  
Keshia Kroh, Erasmus Medical Center, Netherlands  
Kilian Maire, University of Copenhagen, Denmark  
Krishna Yadav, Rungta College of Pharmaceutical Sciences and Research, India  
Lang Yan, University of Copenhagen, Denmark  
Lars Kruse, LEO Foundation, Denmark  
Lars Rønn Olsen, University of Copenhagen, Denmark  
Laura van Der Meulen, Leiden University Medical Centre, Netherlands  
Lazaros Ilias Primpas, Aarhus University, Denmark  
Lejla Svraka, Aarhus University, Aarhus University Hospital, Denmark  
Lili Borbála Flink, University of Szeged, Hungary  
Luiza Moraes Holst, University of Copenhagen, Denmark  
Maja Udsen, University of Copenhagen, Denmark  
Malin Jessen, University of Copenhagen, Denmark

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Manuella Godoi, University of Copenhagen, Denmark  
Martine Dragsbæk-Friis, University of Copenhagen, Denmark  
Mattia Dervasi, University of Copenhagen, Denmark  
Mia Hamilton Jee, University of Copenhagen, Denmark  
Mila Broby Johansen, Herlev and Gentofte Hospital, University of Copenhagen, Denmark  
Nicolai Pagh-Berendtsen, Technical University of Denmark, Denmark  
Niels Ødum, University of Copenhagen, Denmark  
Nils Erik Samdal, University of Copenhagen, Denmark  
Paolo D'Avino, University of Zurich, Switzerland  
Penille Jensen, Technical University of Denmark, Denmark  
Peter Tougaard, University of Copenhagen, Denmark  
Philipp Gessner, University of Zurich, Switzerland  
Rachael Ireland, University of Sydney, Australia  
Raman Gill, Icahn School of Medicine at Mount Sinai, United States  
Rebecca Lohmann, University of Copenhagen, Denmark  
Rebekka Søgaard, Gentofte Hospital, Denmark  
Sergio Moreno Nombela, University Carlos III of Madrid, Spain  
Simone Stegenborg-Grathwohl, University of Copenhagen, Denmark  
Sofia Botvid, Herlev and Gentofte Hospital, University of Copenhagen, Denmark  
Sylvia Hasterok, Malmö University, Sweden  
Theresa Mitterer, University of Copenhagen, Denmark  
Tiana Stanisić, University of Copenhagen, Denmark  
Venla Väänänen, University of Copenhagen, Denmark  
Veronica La Banca, CNR, Rome, Italy  
Veronika Mraz, University of Copenhagen, Denmark  
Vinnycius Pereira Almeida, University of Oxford, United Kingdom  
Wenning Zheng, University of Copenhagen, Denmark  
Ziao Zeng, University of Copenhagen, Denmark  
Aaroh Anand Joshi, Medical University of Graz, Austria



## Connect on social media

You can add your LinkedIn profiles to your profile on Conference Manager to stay connected with other participants.

You can also follow the LEO Foundation Skin Immunology Research Center on LinkedIn and @skinucph on X. Use #SICSummerSchool to share your experiences from the Summer School.

## Contact during the event

Hannah Paludan, +45 51 68 04 39, sic@sund.ku.dk.

