15-17 April
Springtime School 2024
Mechanisms of inflammation in skin and other barriers

LEO Foundation Skin Immunology Research Center · sic@sund.ku.dk
Programme

Monday 15 April
10:00  Meeting time for bus from Frue Plads by Vor Frue Church
10:30  Bus leaves Frue Plads
11:30  Arrival and registration at Hotel Bretagne
12:00  Lunch at Hotel Bretagne

SESSION 1: Skin Immunology part 1
Chair: Liv Eidsmo & Bill Agace · Location: Hotel Bretagne

13:00  Welcome by Executive Director of the LEO Foundation
Skin Immunology Research Center, Liv Eidsmo
13:10  Laura Mackay, The Peter Doherty Institute, University of
Melbourne, Australia
*Diversity of tissue-resident lymphocytes*
13:45  Shawn Demehri, Harvard Medical School, USA
*Control of Malignant Clones by Antiviral T Cells in the Skin*

14:20  Break

14:40  Short talk 1: Chloé Grolleau, Université Paris Cité,
Hôpital Saint Louis, France
*Single-cell profiling of lichen planus reveals type I interferon response triggering the interface dermatitis reaction*
14:55  Short talk 2: Chella Krishna Vadivel, University of
Copenhagen, Denmark
*Staphylococcus aureus induce drug resistance in CTCL*
15:10  Short talk 3: Elisa Carrasco, Universidad Autónoma de
Madrid, Spain
*T cells with defective mitochondrial metabolism trigger skin aging and hair follicle stem cell dysfunction*

15:30  Break
SESSION 2: Gut barrier repair and homeostasis
Chairs: Terkild Brink Buus & Andrew Brown · Location: Hotel Bretagne

16:00  Bill Agace, SIC, University of Copenhagen, Denmark
       Tracking adaptive T cell responses in the healthy and inflamed human intestine

16:35  Eduardo Villablanca, Karolinska Institutet, Sweden
       Unravelling the Cellular and Molecular Architecture of the Healing Intestinal Barrier

17:10  Henrik Nyhus Kløverpris, ISIM, University of Copenhagen, DK
       Breaking Barriers in HIV: Impact on Immune Reconstitution and Intestinal Stem Cells

17:45  Break and check-in at Hotel Bretagne/Hornbækhus/Villa Strand

Location: Hornbækhus
19:00  Dinner

20:30  Flash Talks 5 x 2 min. and poster session
Chair: Martin Kongsbak-Wismann

Freya Sibbertsen, University Medical Center Hamburg Eppendorf, Germany: Clonal tracking of γδ and αβ T cells before, during and after CMV infection in transplant patients

Mariana Bronze, University of Copenhagen, Denmark: Distinct immune cell trigger responses in ulcerative colitis – Results from an in vivo human intestinal injury model

Vincent Walter, Tübingen, Germany: Cytokeratin 14 is an HLA-B*07 restricted autoantigen in Lichen planus

Javiera Álvarez, University of Copenhagen, Denmark: Immunological Profiling of Sinonasal Cancer Reveals Exhaustion Signatures and Spatial Heterogeneity

Katharina Woess, Institute for Research in Biomedicine Barcelona, Spain: Exploring systemic interactions between skin inflammation and pancreatic cancer susceptibility

Yoshifumi Kanayama, Nagoya City University, Graduate school of Medical Sciences, Japan: UVC irradiation induces regulatory T cells in skin and lymph nodes
Programme

Tuesday 16 April

7:30  Optional beach swim at the beach by Villa Strand with Liv Eidsmo – bring own swimming gear
7:30-8.45 Breakfast at Hotel Bretagne/Hornbækhus

SESSION 3: Molecular signals in the skin
Chairs: Mads Gyrd-Hansen & Helen Vaher · Location: Hotel Bretagne

9:00  Simon Bekker-Jensen, University of Copenhagen, Denmark  
Skin responses to UV-irradiation and other insults: Critical roles for ribosomes in sensing of cell stress
9:35  Jürgen Ruland: Technical University of Munich, Germany  
Mechanisms of MALT1 signaling in skin inflammation
10:05  Short talk 4: Jack Rawlings, University of Sydney, Australia  
RP23: a novel peptide-based therapeutic for inflammatory skin diseases
10:20  Short talk 5: Elisa Melón Ardanaz, University of Barcelona, Spain  
Single-cell RNA sequencing temporal analysis reveals a detrimental effect of JAK inhibition on myeloid cells in tofacitinib refractory ulcerative colitis patients
10:35  Short talk 6: Biao Ma, University of Copenhagen, Denmark  
Translational regulation of immune receptors by hypoxia
10:50  Break

SESSION 4: Skin microbes
Chairs: Jonathan Coquet & Berthe K. Fiil · Location: Hotel Bretagne

11:20  Heidi Kong, National Institute of Arthritis and Musculoskeletal and Skin Diseases, NIH in Bethesda, Maryland, USA  
The Human Skin Microbiome in Eczematous Skin
11:55  Salomé LeibundGut-Landmann, University of Zürich, CH
Skin commensal fungi in health and disease – a matter of tissue context and immunity

12:30  Short talk 7: Dorottya Horváth, University of Debrecen, Hungary
The role of BNP and the expression of its receptor in monocyte-derived Langerhans cells

12:45  Short talk 8: William Crisler, Harvard Medical School, USA
Evidence for inflammatory cell death, recognition of self-DNA, and increased JAK/STAT signaling in eosinophilic fasciitis and morphea

13:00  Lunch

14:00  Visit to the Tegner Museum and walk in Statue Park (outside)
14:00  Bus pick up in front of Hotel Bretagne
14:10  Bus leaves Hotel Bretagne
16:15  Bus leaves Tegner Museum
16:30  Drop-off at Hornbækhus

Location: Hornbækhus
16:30  Danish “hygge” with coffee, tea & cake
19:00  “Meet the speakers” dinner
20:30  Flash talks 5 x 2 min. and poster session
Chair: Martin Kongsbak-Wismann

Lina Gross, University of Bern and CK-CARE, Switzerland: The Role of Innate Immunity in Atopic Dermatitis
Nicole Golob-Schwarzl, Medical University of Graz, Austria: Eukaryotic translation initiation factor 4E (eIF4E) as a target of anti-psoriatic treatment
Paolo D’Avino, SIAF Institute/University of Zurich, Switzerland: Deciphering the mechanisms behind type 2-cytokines- and IL-22-induced barrier dysfunction and skin inflammation in an ex-vivo human skin
Stephanie Fulaz Silva, University of Copenhagen, Denmark: Probiotics as anti-virulence strategies against Staphylococcus aureus infections – a focus on atopic dermatitis
Wenning Zheng, University of Copenhagen, Denmark: Local replenishment of resident T cells in human skin
#SICspringtimeschool

## Programme

### Wednesday 17 April

7:30  Optional beach swim at the beach by Villa Strand with Liv Eidsmo – bring own swimming gear

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

### SESSION 5: Skin immunology part 2

**Chairs:** Beatrice Dyring-Andersen & Rasmus Agerholm-Nielsen  
**Location:** Hotel Bretagne

9:00  Christoph Schlapbach: Bern University Hospital, Switzerland  
*Pathogenic Th2 cells in skin inflammation*

9:35  Niroshana Anandasabapathy, Weill Cornell Medicine, USA  
*Organismal DC differentiation balances tissue and tumor immunity and tolerance*

10:10  Gregor Jemec, University of Copenhagen & Zealand University Hospital, Denmark  
*Dermatoiconography – what dermatology is really about*

10:45  Break

11:15  Short talk 9: Christina Malactou, Imperial College London, United Kingdom  
*Eosinophils and bioactive lipid mediators regulate skin inflammation and carcinogenesis*

11:30  Short talk 10: Rune Kjærgaard Andersen, University of Copenhagen, Denmark  
*A genome-wide association meta-analysis of hidradenitis suppurativa links the disease to common and rare mutations causing disruption of the Notch and Wnt/β-catenin signaling pathways*
11:50  Wrap-up and awards for best poster and Short Talk
12:00  Lunch and departure with bus to Frue Plads

The programme may be subject to change.

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

**Venue**
The Springtime 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 and 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.

**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 15th of April 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 10:30 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 17th of April. The bus will leave Hotel Bretagne at 13:30 hrs. and we expect to arrive back in Copenhagen at 14:30 hrs.
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. If you are arriving by car – free parking is available at both hotels. Please note that parking is available on two sides of Hornbækhus.

**Short talks, flash talks and poster session**

If you have been asked to give a short, or flash, talk in the programme, we ask you to bring your presentation on a USB stick and coordinate with Hannah Paludan before the session begins. Please note that the flash talks will take place in the dining room at Hornbækhus immediately after the dinners. A separate e-mail has been sent to the presenters.

The poster sessions will take place at Hornbækhus. Please hang your poster on a poster board in the poster area 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. Posters not removed will be discarded. Poster dimensions: Max 138 x 92 cm (H x W).

**Invited speakers**

- Bill Agace, University of Copenhagen, Denmark
- Christoph Schlapbach, University of Bern, Switzerland
- Eduardo Villablanca, Karolinska Institutet, Sweden
- Gregor Jemec, University of Copenhagen & Zealand University Hospital, Denmark
- Heidi Kong, National Institute of Arthritis and Musculoskeletal and Skin Disease, USA
- Henrik Nyhus Kløverpris, University of Copenhagen, Denmark
- Jürgen Ruland, Technical University of Munich, Germany
- Laura Mackay, University of Melbourne, Australia
- Niroshana Anandasabapathy, Cornell University, USA
- Salomé LeibundGut-Landmann, University of Zurich, Switzerland
- Shawn Demehri, Harvard Medical School, USA
- Simon Bekker-Jensen, University of Copenhagen, Denmark
Participant list

Alma Lindell, University of Copenhagen
Anders Woetmann, University of Copenhagen
André Santos, Universitätsklinikum Hamburg-Eppendorf
Andrew Brown, University of Copenhagen
Anniagiada Toniolo, Universiteit Gent
Beatrice Dyring-Andersen, Copenhagen University Hospital/Herlev and Gentofte
Berthe Katrine Fii, University of Copenhagen
Biao Ma, University of Copenhagen
Chella Krishna Vadivel, University of Copenhagen
Chloé Grolleau, Université Paris Cité, Hopital Saint Louis
Christian Ashworth, University of Copenhagen
Christina Malactou, Imperial College London
Christoffer Kursawe Larsen, Copenhagen University Hospital/Herlev and Gentofte
Christopher Willy Schwarz, Copenhagen University Hospital/Herlev and Gentofte
Davod Khalafkhany, Bogazici University
Dorottya Horváth, University of Debrecen
Dorottya Kocsis, University of Debrecen
Egon Urgard, University of Copenhagen
Ekaterina Zhuravleva, University of Copenhagen
Elisa Carrasco, Universidad Autónoma de Madrid
Elisa Melón Ardanaz, University of Barcelona
Erik van Tilburg Bernardes, University of Copenhagen
Freya Sibbertsen, University Medical Center Hamburg Eppendorf
Gowtham Subramanian, Agency for Science, Technology and Research
Hannah Paludan, University of Copenhagen
Helen Vaher, University of Copenhagen
Holly Webster, Imperial College London
Ida Wang Henriksen, University of Copenhagen
Ingrid Vernimmen, University of Copenhagen
Irene García Jiménez, University of Barcelona
Irina Hron, University of Copenhagen
Jack Abrahamsson, University of Copenhagen
Jack Rawlings, University of Sydney
Jaimie Mayner, ETH Zurich
Javiera Álvarez, University of Copenhagen
John Rizk, University of Copenhagen
Jonathan Coquet, University of Copenhagen
Kahkashan Kamal, Stockholm University
Karolina Dumycz, Medical University of Warsaw
Katharina Woess, Institute for Research in Biomedicine Barcelona
Lars Kruse, LEO Foundation
Lene Bay, University of Copenhagen
Lina Gross, University of Bern and CK-CARE
Liv Eidsmo, University of Copenhagen
Madhulika Pradhan, Chhattisgarh Swami Vivekananda Technical University
Mads Gyrd-Hansen, University of Copenhagen
Maja Udsen, University of Copenhagen
Mariana Bronze, University of Copenhagen
Martin Kongsbak-Wismann, University of Copenhagen
Martine Dragsbæk-Friis, University of Copenhagen
Mattia Dervasi, University of Copenhagen
Max Sauerland, University of Copenhagen
Mel Diedro, University of Fribourg
Mia Hamilton Jee, University of Copenhagen
Mie Sonne Goldeman, Copenhagen University Hospital/Herlev and Gentofte
Nicholas Skirl, LEO Foundation
Nicole Golob-Schwarzl, Medical University of Graz
Nicolò Marchi, University of Fribourg
Niels Ødum, University of Copenhagen
Nils Erik Samdal, University of Copenhagen
Paolo D’Avino, SIAF Institute/University of Zurich
Pernille Lindøe Andersen, Zealand University Hospital
Rasmus Agerholm-Nielsen, University of Copenhagen
Rune Kjærsgaard Andersen, University of Copenhagen
Samson Kosemani, Universidade de São Paulo
Signe Rømer Holm, LEO Foundation
Simone Majken Stegenborg-Grathwohl, University of Copenhagen
Sofie Jørgensen, Aarhus University, Aarhus University Hospital
Stefan Diehl, University of Bonn
Stephanie Fulaz Silva, University of Copenhagen
Stine Kloppenborg, University of Copenhagen
Terkild Brink Buus, University of Copenhagen
Tiana Stanisic, University of Copenhagen
Vincent Walter, Tübingen
Wenning Zheng, University of Copenhagen
William Crisler, Harvard Medical School
Yoshifumi Kanayama, Nagoya City University, Graduate school of Medical Sciences
Zhenzhen Wu, University of Copenhagen
Ziao Zeng, University of Copenhagen
Zsófia Pénzes, University of Debrecen
Connect on social media
You can add your Linkedin and Twitter 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 (Twitter). Use #SICSpringtimeSchool to share your experiences from the Springtime School.

Contact during the event
Hannah Paludan, +45 51 68 04 39, sic@sund.ku.dk.

All questions before the event should be directed to sic@sund.ku.dk.