



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

## Programme

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### 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,  
Hopital 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
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## 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  $\gamma\delta$  and  $\alpha\beta$  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*

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## Programme

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### 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*
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- 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*

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## Programme

17

### 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 Kjærsgaard 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/ $\beta$ -catenin signaling pathways*
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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:*

*Scientific committee: Liv Eidsmo, Mads Gyrd-Hansen & Jonathan Coquet.*

*Coordinator and administration: Hannah Paludan, Stine Kloppenborg & Ingrid Vernimmen.*



## 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](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 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.

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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. 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
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## Participant list

Alma Lindell, University of Copenhagen  
Anders Woetmann, University of Copenhagen  
André Santos, Universitätsklinikum Hamburg-Eppendorf  
Andrew Brown, University of Copenhagen  
Annagiada Toniolo, Universiteit Gent  
Beatrice Dyring-Andersen, Copenhagen University Hospital/Herlev and Gentofte  
Berthe Katrine Fiil, 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

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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 Goldman, 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 Lindsø 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 Stanasic, 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 Péntzes, 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.

