

UNIVERSITY OF COPENHAGEN
LEO FOUNDATION SKIN IMMUNOLOGY
RESEARCH CENTER

A photograph of a two-story red wooden building with white window frames. In the foreground, a group of about ten people are sitting on a wooden patio, engaged in conversation. The scene is framed by green and yellowing leaves in the upper left and right corners. The text is overlaid on the lower half of the image.

25-27 April 2022
Summer School 2022
**Immune Regulation
of the Skin**

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

Programme · All sessions are in the 1st floor living room.

Monday 25 April

The sensing of danger

Chair: Liv Eidsmo · Co-chair: Chella Vadivel

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| 12:00 | Arrival and lunch |
| 13:00 | Welcome by Executive Director of the LEO Foundation
Skin Immunology Research Center, Liv Eidsmo |
| 13:10 | Robert Modlin, UCLA: Regulation of danger sensing in
the skin |
| 13:50 | Clare Bennett, UCL: Langerhans cells in inflammation |
| 14:30 | Break |
| 15:00 | Nicolas Gaudenzio, INSERM - Toulouse University: Neural
regulation of immune responses |
| 15:40 | Mitra Maz, University of Michigan: Understanding
UV-induced innate inflammation in lupus-prone murine
skin |
| 15:55 | Yasutaka Mitamura, SIAF: Spatial transcriptomics
combined with single-cell transcriptomics unravels the
complex inflammatory cell network in atopic dermatitis |
| 16:10 | Break |
| 16:40 | Ali Azimi, the University of Sydney: Proteomics for the
Non-invasive Diagnosis and Molecular Pathway Analysis
of Mycosis Fungoides |
| 16:55 | Charlotte Menné Bonefeld, University of Copenhagen:
Local memory responses in contact allergy |
| 18:30 | Dinner |
| 20:15 | Poster session |

Tuesday 26 April

The role of T cells in skin development and inflammation

Chair: Mads Gyrd-Hansen · Co-chair: Elena Hoffer

- 09:00 Adelheid Elbe-Burger, Medical University of Vienna: Fetal development of the skin immune system
- 09:40 Immo Prinz, Hannover Medical School: Development and function of IL-17⁺ $\gamma\delta$ T cells
- 10:20 Break
- 10:50 Luis F. Santamaria Babi, University of Barcelona: IL-17 and psoriasis
- 11:30 Agnese Brischetto, University of Barcelona, IDIBAPS: Regulation of innate immunity by ZEB factors in psoriasis
- 11:45 Evelyn Kelemen, University of Szeged: Psoriasis-associated inflammatory conditions induce IL-23 mRNA expression in normal human epidermal keratinocytes
- 12:00 Lunch
- 13:00 Meet the Professor, discussion in small groups – coffee



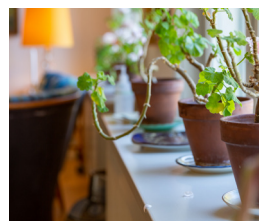
Programme · All sessions are in the 1st floor living room.

Tuesday 26 April

Overreactions in the skin

Chair: Anders Woetmann · Co-chair: Ekaterina Zhuravleva

- 14:30 Johann E. Gudjonsson, University of Michigan Medical Center: Mechanisms of skin autoimmunity
- 15:10 Shoba Amarnath, Newcastle University: Immune tolerance in cutaneous inflammation
- 15:50 Break
- 16:20 Beatrice Dyring-Andersen, University of Copenhagen: Proteomics of healthy and psoriatic Skin
- 17:00 William Crisler, Harvard Medical School: Immunoregulatory pathways are upregulated in T cell mediated rejection of human face transplants
- 17:20 Benjamin Al, Hannover Medical School: Understanding subclinical inflammation preceding atopic dermatitis relapses
- 17:30 Karolina Dumycz, University Hospital Bonn: Circulating microRNAs as potential biomarkers of atopic dermatitis severity and phenotype
- 18:30 Dinner and networking



Wednesday 27 April

Regeneration of the skin

Chair: Carsten Geisler · Co-chair: Mia Hamilton Jee

- 09:00 Raul Ramos, University of California: Stem cell biology of the skin
- 09:30 Eleri Jones, Queen Mary University London: Investigating the role of the basement membrane in modulating the inflammasome in ageing skin
- 09:45 Terkild Brink Buus, University of Copenhagen: Subclonal differences in malignant response to *S. Aureus* super-antigens
- 10:00 Itziar Martinez Gonzalez, Karolinska Institutet: Unconventional ILC2s in human skin show immunological properties
- 10:15 Break
- 10:45 Rune Hartmann, Aarhus University: The cGAS/STING/ NF- κ B pathway represents an ancient antiviral pathway conserved in all metazoan
- 11:25 Ning Xu Landén, Karolinska Institute: The role of miRNA in wound healing
- 12:05 Awards ceremony for best poster and short presentation
- 12:15 Lunch and departure



Venue

The Summer School will be held at atmospheric Hotel Hornbækhus in Hornbæk, Denmark: www.hornbaekhus.com

Accommodation will be provided at Hotel Hornbækhus, Villa Strand and Ewaldsgaarden. Breakfast for all speakers and participants opens at 8:00 at Hotel Hornbækhus.

Keys for hotel rooms will be ready for pick-up at Hotel Hornbækhus on Monday afternoon. Rooms must be left at 10:00 on Wednesday.

Addresses

Hotel Hornbækhus
Skovvej 7, 3100 Hornbæk

Villa Strand
Kystvej 12, 3100 Hornbæk

Ewaldsgaarden
Johannes Ewalds Vej 5, 3100 Hornbæk

Transportation

Take the train from Copenhagen Airport to Helsingør (Elsinore) Station. The train departs from the airport every 20 minutes.

If you are departing from Copenhagen you can get on the train at Copenhagen Central Station/København H, Nørreport Station or Østerport Station.

At Helsingør Station, take the local train towards Gilleleje and get off at Hornbæk Station. The train departs approx. every 30 minutes.

You can plan your trip and find train departure times at www.journeyplanner.dk

Speakers

Adelheid Elbe-Bürger, Medical University of Vienna

Beatrice Dyring-Andersen, University of Copenhagen

Charlotte Menné Bonefeld, University of Copenhagen

Clare Bennett, UCL

Immo Prinz, University Medical Center Hamburg-Eppendorf

Johann E. Gudjonsson, University of Michigan

Luis F. Santamaria-Babí, University of Barcelona

Nicolas Gaudenzio, Inserm

Ning Xu Landén, Karolinska Institutet

Raul Ramos, University of California, Irvine

Robert Modlin, UCLA

Rune Hartmann, Aarhus University

Shoba Amarnath, Newcastle University

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 stick and to transfer the presentation to the meeting laptop before your current session begins.

Please place your poster on a poster board in the poster area (small dining room and the flower room) upon arrival on Monday and clear away on Wednesday morning. Poster dimensions: Height 138 cm x width 92 cm (max.)

Meet the professor session

Please sign up for a meet the professor session using the link distributed on e-mail.

Connect on social media

You can add your LinkedIn and Twitter profiles to the participant list to stay connected with other participants. See the guide distributed on e-mail.

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

Participant list

Agnese Brischetto, University of Barcelona

Albert Duvetorp, Skåne University Hospital

Ali Azimi, University of Sydney

Anders Boutrup Funch,
University of Copenhagen

Anders Lykkebo-Valloe,
University of Copenhagen

Anders Woetmann, University of Copenhagen

Anna Cláudia Castelo Branco,
University of São Paulo

Benjamin Al, Hannover Medical School

Bitten Dalsgaard, University of Copenhagen

Bjørn Kromann Hansen,
University of Copenhagen

Carsten Geisler, University of Copenhagen

Charlotte Malassé, University of Copenhagen

Chella Krishna Vadivel,
University of Copenhagen

Christina Yndal Erichsen,
Herlev and Gentofte Hospital

Matthew Bence

Dorottya Horváth, University of Debrecen

Egon Urgard, Karolinska Institutet

Ekaterina Zhuravleva, University of Copenhagen

Elena Hoffer, Karolinska Institutet

Eleri Jones, Queen Mary University of London

Elisa Catafal Tardós,
Technical University of Denmark

Emil Pallesen, University of Copenhagen

Emma Taggart,
Queen Mary University of London

Evelyn Kelemen, University of Szeged

Farnam Sedeh, Zealand Hospital,
University of Copenhagen

Gretel Torres, Dartmouth College

Hanako Koguchi-Yoshioka, Karolinska Institutet

Helen Vaher, University of Copenhagen

Ian Stoppa, Università del Piemonte Orientale

Ida Blomquist Christensen,
University of Copenhagen

Inmaculada Barragan Vazquez,
University of Sheffield

Itziar Martinez Gonzalez, Karolinska Institutet

Julie Friis Weber, University of Copenhagen

Kadri Orro, Tallinn University of Technology

Kapilraj, Periyasamy, University of Tartu

Karolina Dumycz, University Hospital Bonn

Kelvin Yeung, University of Copenhagen

Lars Kruse, LEO Foundation

Laura Mathä, Karolinska Institutet

Line Møller, Herlev and Gentofte Hospital

Lisa Harth, University of Copenhagen

Liv Eidsmo, University of Copenhagen

Lone Skov, Herlev and Gentofte Hospital

Madhulika Pradhan, Chhattisgarh Swami
Vivekananda Technical University

Mads Gyrd-Hansen, University of Copenhagen

Maria Danielsen, Aarhus University,

Aarhus University Hospital

Maria Toma, Karolinska Institutet

Maribel Aranda-Guillen, Karolinska Institutet

Marina Ramirez Galera,
University of Copenhagen

Marina Torrealba, University of Sao Paulo

Martin Namini, University of Copenhagen

Maureen Tania, Meling Shinshu University

Meret Tuor, University of Zurich

Mia Jee, University of Copenhagen

Michael Wennervaldt,
University of Copenhagen

Mitra Maz, University of Michigan

Natali Pereira, University of Sao Paulo

Niels Ødum, University of Copenhagen

Nils Erik Samdal, University of Copenhagen

Ning Xu Landén, Karolinska Institutet

Paola Lovato, LEO Pharma

Peter Haahr, LEO Foundation

Roberto Ricardo Gonzalez, UCSF

Sarah Hindle, Queen Mary University of London

Shoba Amarnath, Newcastle University

Stephanie Fulaz Silva,
University of Copenhagen

Stine Kloppenborg, University of Copenhagen

Terkild Brink, University of Copenhagen

Thomas Litman, University of Copenhagen

Tianqi Zhang, Karolinska Institutet

Trine Schönfeldt, University of Copenhagen

Tu Hu, LEO Pharma

Vilija Oke, Karolinska Institutet

William Crisler, Harvard Medical School

Yasutaka Mitamura, University of Zurich

Yuxuan Deng, University Hospital Bonn

Zsófia Péntzes, University of Debrecen