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

Monday, 11 October
The microbiome and the skin

Chair: Charlotte Menné Bonefeld · Co-chair: Berthe Fiil

12:00 Arrival

13:00 Welcome
13:10 Liam O’Mahony, National University of Ireland: Skin microbiome in health and diseases – VIRTUAL
13:45 John E. Common, Skin Research Institute of Singapore: Skin microbiome and atopic dermatitis – VIRTUAL

14:20 Break

14:50 Padraic G. Fallon, Trinity College Dublin: Skin microbiome, barrier and innate immunity: Tails of mice and men
15:30 Johannes Mayer, University of Marburg: Homeostatic IL-13 conditions dermal dendritic cells to Th2 differentiation
15:45 Vijaykumar Patra, International Center for Infectiology Research (CIRI): Skin microbiome limits cis-urocanic acid induced immune suppression

16:00 Break

16:20 Mübeccel Akdis, SIAF, University of Zurich: Induction of immune tolerance by immunotherapy
17:00 Tiffany C. Scharschmidt, University of California, San Francisco: Microbiome-immune crosstalk in skin – VIRTUAL

18:30 Dinner

20:15 Poster session
Tuesday, 12 October

The physical and chemical skin barrier

Chair: Anders Woetmann · Co-chair: Anne-Sofie Ø. Gadsbøll

09:00  Sanja Kezic, Academic Medical Center, Amsterdam: The skin barrier-focus on filaggrin and NMF
09:40  Cezmi A. Akdis, SIAF, University of Zurich: Regulation of the tight junction barrier

10:20  Break

10:50  Mads Gyrd-Hansen, University of Copenhagen: Ubiquitin Signalling in inflammation and innate immunity
11:30  Julia Nenonen, Karolinska Institutet: Skin infiltrating NK cells in primary cutaneous T-cell lymphoma are increased in number and have an altered phenotype partly induced by the lymphoma
11:45  Sofia Ferreira-Gonzalez, University of Edinburgh: Cellular senescence in aging skin, the new frontier in regenerative medicine
12:00  Mahya Hosseini Bondarabadi, Amsterdam UMC: 3D Skin Equivalent as a novel platform for studying Hand, Foot, and Mouth Disease

12:15  Lunch

13:15  Meet the Professor, discussion in small groups – coffee
Programme · All sessions are in the 1st floor living room.

Tuesday, 12 October
The immunological skin barrier

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

14:30  Muzlifah Haniffa, Newcastle University: The role of dendritic cells in the skin
15:10  Stefano Soldano, University of Genoa: Skin fibrosis in systemic sclerosis: pathogenic role of fibroblasts, their precursors and immune cells
15:25  Zheng Song, University Medical Center Hamburg-Eppendorf (UKE): The NSP3 protein of SARS-CoV-2 inhibits the innate immune responses through NF-κB pathway
15:40  Longlong Luo, Karolinska Institutet: The long non-coding RNA LINC00958 is overexpressed in psoriasis epidermis and induces keratinocyte proliferation
15:55  Break
16:25  Liv Eidsmo, University of Copenhagen: Human tissue-resident memory T cells in healthy and sick skin
17:05  Ana Sofia Evora, University of Birmingham: Corneocytes – bricks against mechanical load? Biomechanical and topographical characterization of corneocytes
17:20  Bruno Rocha Cordeiro Costa, Charité University Medicine Berlin: Unveiling the interplay between innate lymphoid cells, microbiota and epithelium in the skin
18:30  Dinner
Wednesday, 13 October

Therapeutic targeting the skin barriers

Chair: Liv Eidsmo · Co-chair: Martin Kongsbak-Wismann

09:00 Bernhard Homey, University of Duesseldorf: Therapeutic targeting epithelial/immune pathways in skin diseases - VIRTUAL

9:35 Lise Gether, Gentofte Hospital: Treatment with full-body betamethasone 0.1% ointment increases peripheral insulin sensitivity in adults with atopic dermatitis

9:50 Varsha Dwivedi, Medical University of Vienna: Preventive application of allergen immunotherapy in sensitized pre-school children

10:05 Eduardo Gushiken-Ibañez, University of Zurich: Aryl hydrocarbon receptor (AhR) signaling in the host response directed against the skin commensal yeast Malassezia

10:20 Break

10:50 Thomas Emmanuel, Aarhus University Hospital: The molecular scar in complete responders of secukinumab and Dead Sea climatotherapy: An immunohistochemical-, transcriptome- and digital spatial profiling

11:05 Irène Gallais Sérézal, Besançon University Hospital: Local spreading of epidermal tumors: Is the TRM cell-driven immune surveillance failing?

11:10 Quoc Dat Pham, Lund University: Solubility and lipid/corneocyte partitioning in stratum corneum at different hydration

11:25 Niels Ødum, University of Copenhagen: Antibiotics in treatment of CTCL – VIRTUAL

12:00 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.

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.

Breakfast for all speakers and participants opens at 8:00 at Hotel Hornbækhus.

**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
Liam O’Mahony, National University of Ireland
John E. Common, Skin Research Institute of Singapore
Padraic G Fallon, Trinity College Dublin
Mübeccel Akdis, SIAF, University of Zurich
Tiffany C. Scharschmidt, University of California, San Francisco
Sanja Kezic, Academic Medical Center, Amsterdam
Cezmi A. Akdis, SIAF, University of Zurich
Mads Gyrd-Hansen, University of Copenhagen
Muzlifah Haniffa, Newcastle University
Liv Eidsmo, University of Copenhagen

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

Ana Sofia Evora, University of Birmingham
Anders Woetmann, University of Copenhagen
Anna Cazzola, University of Copenhagen
Anne-Sofie Ø. Gadsbøll, University of Copenhagen
Avinash Padhi, Karolinska Institutet
Berthe Katrine Fil, University of Copenhagen
Bitten Dalsgaard, University of Copenhagen
Blaine Fritz, University of Copenhagen
Borislav Ignatov, Karolinska Institutet
Bruno Rocha Cordeiro Costa, Charité University Medicine Berlin
Carsten Geisler, University of Copenhagen
Charlotte Malassé, University of Copenhagen
Charlotte Menné Bonefeld, University of Copenhagen
Chris Kedong Wang, University of Copenhagen
Eduardo Gushiken-Ibañez, University of Zurich
Ekaterina Zhuravleva, University of Copenhagen
Elena Hoffer, Karolinska Institutet
Emil Marek Heymans Pallesen, University of Copenhagen
Emilie Marie Nielsen, University of Copenhagen
Fatima Aljaberi, University of Copenhagen
Frederik Timmermann, University of Copenhagen
Goda Snieckute, University of Copenhagen
Gustavo Ferreira Alves, University of Turin
Hanako Yoshioka, Karolinska Institutet
Helen Vahe, University of Tartu
Irène Gallais Sérézal, Besançon University Hospital
Jennifer Astrup Sørensen, Bispebjerg Hospital
Johannes Mayer, University of Marburg
John Rizk, University of Copenhagen
Julia Nenonen, Karolinska Institutet
Julie Weber, University of Copenhagen
Kelvin Yeung, University of Copenhagen
Lars Kruse, LEO Foundation
Lene Bay, University of Copenhagen
Li Li, Harvard University
Lisa Harth, University of Copenhagen
Lise Gether, Gentofte Hospital
Longlong Luo, Karolinska Institutet
Louise Aagaard, University of Copenhagen
Mahya Hosseini Bondarabadi, Amsterdam UMC
Malin Jessen, Copenhagen University
Mandy Menzel, University of Copenhagen
Maria Gluud Grøndahl, University of Copenhagen
Maria Teresa Martin Monreal, Rigshospitalet
Marina Ramírez Galera, University of Copenhagen
Marina Torrealba, University of Sao Paulo
Martin Namini, University of Copenhagen
Martin Kongsbak-Wismann, University of Copenhagen
Michael Wennervaldt, Gentofte Hospital
Naricha Pupinyo, Karolinska Institutet
Nicolaí Skovbjerg Arildsen, University of Copenhagen
Nils Erik Samdal, University of Copenhagen
Paola Lovato, LEO Pharma
Quoc Dat Pham, Lund University
Rosemary Fallon
Sofia Ferreira-Gonzalez, University of Edinburgh
Stefano Soldano, University of Genoa
Stella Karsten, Karolinska Institutet
Stine Hoffmann, Gentofte Hospital
Terkild Buus, University of Copenhagen
Thomas Emmanuell, Aarhus University Hospital
Thomas Litman, University of Copenhagen
Thorbjørn Krejsgaard, University of Copenhagen
Trine Schønfeldt, University of Copenhagen
Tu Hu, LEO Pharma
Varsha Dwivedi, Medical University of Vienna
Veronika Mraz, University of Copenhagen
Vijaykumar Patra, International Center for Infectiology Research (CIRI)
Wenning Zheng, University of Copenhagen
Wenxin Lyu, University of Copenhagen
Xin Jiang, University of Copenhagen
Zheng Song, University Medical Center Hamburg-Eppendorf (UKE)
Zhenzhen Wu, University of Copenhagen