51st Annual ESDR Meeting
28 September - 1 October 2022, Amsterdam, NL

Program Book

Complete Program Book of 51st Annual ESDR Meeting
# Acknowledgement

## Sponsors of the 51st Annual ESDR Meeting

### Diamond Sponsors

- Boehringer Ingelheim
- Janssen Immunology
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- Regeneron

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ESDR 2022 SCHOLARSHIPS
ESDR 2022 scholarships are supported by

ESDR 2022 Patient Organisation village is kindly supported by

PATIENT ORGANISATIONS
ESDR 2022 Patient Organisation village is kindly supported by

Patient Organisations are the link between patients and experienced doctors, clinical researchers in dermatology and venerology. Communication and collaboration are critical to improve patient’s journey and offer better clinical care.

ESDR is pleased to welcome the following Patient Organisations to the ESDR 2022 Meeting:

Debra International
Global Albinism Alliance
Global Albinism Alliance
European network for ichthyosis
Pachyonychia Congenita Project

28 September - 01 October 2022, Amsterdam, The Netherlands
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ISID 2023
1st International Societies for Investigative Dermatology Meeting

Meeting Dates: May 10 (Wed.) – May 13 (Sat.), 2023

Venue: Keio Plaza Hotel Tokyo
2-2-1 Nishi-Shinjuku, Shinjuku-Ku, Tokyo, 160-8330 Japan
Dear Colleagues,

A few months ago, I was, like so many of you, drawing cautiously the optimistic perspective of celebrating in this beautiful and creative city of Amsterdam the first in person annual ESDR meeting since 2019 in Bordeaux and the following Covid-19 pandemic. Fortunately, this latter scenario prevailed, thanks to the efforts of many scientists and healthcare providers, and to many more, who worked tirelessly to fight and prevent the devastating effects of this global outbreak. None of them should be forgotten, as we should give special credit to those who helped the ESDR to reinvent itself, starting with my two predecessors Chris Griffiths and Marta Szell who, with the whole board and the office team, conducted numerous digital scientific activities, some of which remaining active such as the ESDR kitchen webinars.

And yet here we are, eagerly looking forward to a unique scientific reunion, during which skin scientists and dermatological researchers from all over Europe, America, Asia, Oceania, and Africa will present and discuss the best of their work, in the spirit of our Society, driven by excellence and conviviality. Doing so in this global event is the best way to honor the legacy of the ESDR founding fathers, in the city where everything started 52 years ago. For this very special occasion, the programme committee chaired by Eli Sprecher has built an outstanding agenda, inviting very high profile plenary speakers and selecting oral and poster communications, with the always attractive poster walks. The sessions cover and reflect the broad diversity of our research in its basic, translational and clinical segments. Some lectures will cross our traditional scientific territory borders for good, as scientific advances often lie at the edge of transdisciplinary interactions. As previously announced, close attention has been paid to gender and geographic balance and diversity, while keeping scientific excellence as the primary criteria. And because we believe that science is also a vector of tolerance and of mutual respect, both core ESDR values, we are honored in advance by the attendance, remotely or in person, of colleagues from countries hit by war and conflicts, starting with Ukraine. Finally, the social events will be as always very special moments of joyful celebration and of networking across generations and countries, reflecting the diversity of our Society. The organisation of such a global event rooted in the country of the « Golden Age » has been facilitated by Menno de Rie, who will make resonate the ESDR birth place, especially for the young generations.

I look forward to welcoming in Amsterdam you for a happy and memorable 51st ESDR annual meeting.

Hervé Bachelet
ESDR President
ESDR KITCHEN
LIVE WEBINARS

19 October - 13:30 PM CET
Erwin Tschachler

2 November - 13:30 PM CET
Alain Hovnanian

14 December - 13:30 PM CET
Michel Gilliet

Free registration on: www.esdr.org

[ open access ]
ESDR Kitchen webcasts are open access and available on YouTube: www.esdr.org/media/
Complete Daily Program
## WEDNESDAY 28 SEPTEMBER 2022

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Exhibitors

1. Genoskin
2. QIMA
3. ESDR
4. Boehringer Ingelheim
5. Cellintec
6. Ten Bio
7. Canfield
SKIN AS A WORK OF ART PEAUrigami®

ESDR is pleased to welcome Corinne Dechelette, PharmD, PhD (skin biology) to ESDR 2022. Corinne will run an interactive exhibition entitled “PEAUri- gami®” during the meeting. This exhibition will be located in the exhibition area.

ABOUT CORINNE DECHELETTE, the creator of PEAUrigami®

With a Ph.D in cutaneous biology and as a former intern and pharmacist in the severe burns unit at the hospital of Lyon, I am passionate about the fabulous organ that is the skin.

Skin is a work of art and as such, I create original educational-artistic PEAUrigami® compositions for display in the medical office and waiting room. A fusion of my passion for skin and for Japan, PEAUrigami® provides an innovative perspective through skin origami. Handcrafted with skin papers, these origamis are educational-artistic tools that can be used to explain dermatoses and the physiology of the skin. This unique concept of medical art has been the subject of 4 publications in peer-reviewed journals.

I invite you – researchers and dermatologists – to co-create with me and to make personalized and unique PEAUrigami® compositions: such as a dermatosis that you specialize in; a skin structure that you are particularly fascinated by; or a design made with paper modeled on your own skin. And if you are as convinced as I am that an artistic approach is useful as a form of primary prevention for some dermatoses, we can carry out unprecedented, exploratory studies.

Dermatologically yours,
Corinne DECHELETTE, PharmD., PhD.

ABOUT the exhibition of PEAUrigami® at ESDR 2022

After PEAUrigami® dedicated to the physiology of the skin, exhibited during the ESDR 2019, I continued my creative work on skin with the artistic reinterpretation of the main dermatoses within the framework of the PEAUrigami® [DERMATOGAMI] exhibition.

This new exhibition is created from photos of skin affected by the main dermatoses and is based on the etymology of the dermatosis presented.

As an interactive exhibition, you are invited during the congress to fold a skin cell in origami: keratinocyte, melanocyte, fibroblast or adipocyte according to your research topic.

More information can be found on her website: www.lapeauautrement.com
Instagram: @peaurigami
My memory is not what it used to be: connecting the science to long-term clinical outcomes in psoriasis management

Thursday 29 September 2022 | 13:15–14:30 (CEST)
Room 1 (Effectenbeurszaal, ground floor), The Beurs van Berlage
Amsterdam, Netherlands

Programme (all times in CEST)
13:15–13:20 Welcome and introduction
Chris Griffiths
13:20–13:35 Forget me not: TRM cells, physiology, and the skin
Andreas Pinter
13:35–13:50 Better to be early... early intervention and disease modification in the skin
Knut Schäkel
13:50–14:05 A long way to go: updates on long-term management of psoriasis
Chris Griffiths
14:05–14:25 Putting it into practice: comprehensive management of psoriasis
All faculty; moderated by Andreas Pinter
14:25–14:30 Closing remarks
Andreas Pinter

This session is for healthcare professionals (HCPs) only.

With the support of Janssen Pharmaceutical Companies of Johnson & Johnson in EMEA
Janssen Pharmaceutica NV
Turnhoutseweg 30
B-2340 Beerse, Belgium
Date of preparation: July 2022
EM-104913
Wednesday

28 SEPTEMBER 2022
E2BRN Satellite Meeting

Morning E2BRN

Chairs:
Ellen van den Bogaard (Nijmegen, The Netherlands)
Sara Brown (Edinburgh, UK)

Location: Room 2

Time: 09:00 - 13:15

Session 1: Interaction between skin and the...
28 SEPTEMBER 2022
WEDNESDAY

**E2BRN Satellite Meeting**

**Afternoon E2BRN**

**Chairs:**
Patrick Zeeuwen (Nijmegen, The Netherlands)
Yves Pournay (Namur, Belgium)

**Location:** Room 2  
**Time:** 13:15 - 16:30

**Session 3: Skin microbiota orchestrate epidermal function**

13:15 - 13:45  
**Keynote lecture**  
Skin microbiota regulation of barrier integrity and repair  
Elizabeth Grice (UPenn, USA)

**Short communications**

13:45 - 14:00  
Antimicrobial late cornified envelope (LCE) proteins: the psoriasis risk factor LCE3B/C-del affects microbiota composition  
Hanna Niehues (Nijmegen, The Netherlands)

14:00 - 14:15  
Segregation of filaggrin into small extracellular vesicles secreted by keratinocytes as a barrier homeostatic mechanism hijacked by Staphylococcus aureus  
Danuta Gutowska-Owsiak (Gdansk, Poland)

14:15 - 15:15  
**Poster viewing + coffee/tea**

**Session 4: Epidermal function in skin diseases**

15:15- 15:30  
Untangling the complex cytokine milieu in psoriasis and atopic dermatitis through organotypic epidermal models  
Luca Meesters (Nijmegen, The Netherlands)

15:30- 15:45  
Aryl hydrocarbon receptor ligand leflunomide exerts triple action to dampen the inflammatory skin disease atopic dermatitis  
Felicitas Pardow (Nijmegen, The Netherlands)

15:45- 16:00  
Experimental approaches for testing the pathogenicity of variants of uncertain significance to reduce diagnosis deadlocks in ichthyoses  
Nuria Pell-Vidal (Paris, France)

16:00- 16:15  
CD44 functions as a novel interacting partner of Aquaporin 5 in keratinocytes  
Laura Ramos Del Caño (London, UK)

16:15- 16:30  
Meeting closure, announcement of presentation prizes, departure for drinks  
Ellen van den Bogaard + Sara Brown
# IEC Symposium

**Single Cell Technologies Applicable to Atopic Eczema**

**Chairs:**
- Nick Reynolds (UK)
- Emma Guttman-Yassky (USA)

**Location:** Room 3  
**Time:** 13:00 - 16:30

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| 13:00 - 13:10 | Welcome from the IEC  
Robert Bissonnette (Canada)                                               |
| 13:10 - 13:20 | Program Overview  
Nick Reynolds (UK) and Emma Guttman-Yassky (USA)                          |
Muzilfah Haniffa (UK)                                                       |
| 13:50 - 14:20 | Contribution of Fibroblasts to the Pathogenesis of AD  
Helen He (USA)                                                             |
| 14:20 - 14:50 | The Technology of Spatial Transcriptomics from a Clinical Standpoint  
Andrew Ji (USA)                                                            |
| 14:50 - 15:05 | BREAK                                                                   |
| 15:05 - 15:35 | Spatial Transcriptomics Applicable to AD  
Stefanie Eyerich (Germany)                                                  |
| 15:35 - 16:05 | New Minimally Invasive Techniques for Biomarker Discovery  
Emma Guttman-Yassky (USA)                                                  |
| 16:05 - 16:30 | Panel Discussion  
All Presenters  
Moderator: Nick Reynolds (UK) and Emma Guttman-Yassky (USA)                |
# IPC Symposium

**Psoriasis: What we have Learned and Where we are Going**

**Program Chair**  
Lars Iversen (Denmark)

**Speakers:**  
Jonathan Barker (UK)  
Curdin Conrad (Switzerland)  
Alexander Navarini (Switzerland)  
Filip Rob (Czech Republic)  
Lone Skov, (Denmark)  
Georg Stingl (Austria)  
Peter van de Kerkhof (The Netherlands)

**Location:** Room 1  
**Time:** 13:00 - 15:10

## Part one: PROGRAM

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Lars Iversen (Denmark) |
| 13:05 - 13:19 | Psoriasis in the Last Millennium  
Peter van de Kerkhof (Netherlands) |
| 13:19 - 13:33 | Psoriasis and Genetics  
Jonathan Barker (UK) |
| 13:33 - 14:47 | Psoriasis and the Immune System  
Georg Stingl (Austria) |
| 13:47 - 14:01 | Current and Novel Treatments  
Filip Rob (Czech Republic) |
| 14:01 - 14:15 | Biomarkers in Psoriasis Treatment – Today and in the Future  
Lone Skov (Denmark) |
| 14:15 - 11:29 | Non-pharmacological Management Today and in the Future  
Alexander Navarini (Switzerland) |
| 14:29 - 14:43 | Long-term Remission, Inflammatory Memory & Disease Modification  
Curdin Conrad (Switzerland) |
| 14:43 - 15:00 | Panel Discussion  
All Faculty |
| 15:00 - 15:10 | BREAK |
28 SEPTEMBER 2022
WEDNESDAY

IPC Symposium

Psoriasis: What we have Learned and Where we are Going

Program Chair
Lars Iversen (Denmark)

Speakers:
Jonathan Barker (UK)
Curdin Conrad (Switzerland)
Alexander Navarini (Switzerland)
Filip Rob (Czech Republic)
Lone Skov (Denmark)
Georg Stingl (Austria)
Peter van de Kerkhof (The Netherlands)

Location: Room 1  Time: 15:10 - 16:00

Part two: POSTER PRESENTATIONS

15:10 - 15:11  Introduction to Poster Presentations
Lars Iversen (Denmark)

15:11  Blocking interleukin-17 in Psoriasis: Real-world Experience from the PsoPlus Cohort
Lisa Schots (Belgium)

15:18  IL-17A+ mast cells in resolved psoriasis
Theresa Benezeder (Austria)

15:25  Genomic and epigenomic profiling of “invisible scar” in psoriatic resolved skin
Ameneh Ghaffarinia (Hungary)

15:32  Pathogenic relationship between Psoriasis and Obesity: An ex vivo study
Giulia Briatico (Italy)

15:39  Using single-cell transcriptomics to characterise early mechanisms of disease remission in psoriasis
Luc Francis (UK)

15:46  Cytokine imbalance during targeted therapies for psoriasis and atopic dermatitis – the yin yang of Th17 and Th2
Francesco Messina (Switzerland)

15:53  Defining Paradoxical Psoriasis and Deep Tissue Immune Cell Profiling
David Croitoru (Canada)

16:00  Closing comments and adjourn
Lars Iversen (Denmark)
28 SEPTEMBER 2022
WEDNESDAY

Dermatoendocrinology

Organizers:
Markus Böhm (Germany)
Ralf Paus (USA & UK)

Discussion: R. Paus

Location: Room 1
Time: 13:00 - 15:20

Part one: PROGRAM

13:00 - 13:05
Welcome & Introduction
Markus Böhm (Münster), Ralf Paus (Miami, USA & Manchester, UK)

13:05 - 13:35
Lecture 1
The role of hormones in hidradenitis suppurativa pathogenesis: A speculative re-exploration
(20 min + 10 min discussion)
K. van Straalen, Michigan, USA

13:35 - 13:50
Oral presentation from selected ESDR poster abstracts
Skin-derived beta-endorphin mediates radiation therapy fatigue (#531)
(10 min + 5 min discussion)
Laos V. Kemeny (Budapest, Hungary)

13:50 - 14:05
Oral presentation from selected ESDR poster abstracts
Type 2 cytokines regulate dermal adipocyte function early in life through hormone-sensitive lipase (#322)
(10 min + 5 min discussion)
Sabrina Satzinger (Cologne, Germany)

14:05 - 14:20
Oral presentation from selected ESDR poster abstracts
Role of calcitonin gene-related peptide in atopic dermatitis (#413)
(10 min + 5 min discussion)
Saly Abdelhadi (Stockholm, Sweden)

14:20 - 14:50
Lecture 2
Human scalp hair follicles operate a fully functional peripheral equivalent system of the central hypothalamic-pituitary-somatotropic (HPS) axis
(20 min + 10 min discussion)
Ralf Paus (Miami, USA & Manchester, UK)

14:50 - 15:20
COFFEE BREAK
Tamas Biro (Debrecen)

This meeting is supported by

[Logos of DR. AUGUST-WOLFF, MONASTERIUM LABORATORY, and CUTANEOUS LAB]
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>15:20-15:50</td>
<td><strong>Lecture 3</strong> Neuroendocrine mediators and cutaneous senescence</td>
</tr>
<tr>
<td></td>
<td>20 min + 10 min discussion</td>
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<tr>
<td></td>
<td>Markus Böhm (Münster)</td>
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<tr>
<td>15:50-16:05</td>
<td>Oral presentation from selected ESDR poster abstracts</td>
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<tr>
<td></td>
<td><strong>GRP induces prometastatic signaling in melanoma (#425)</strong></td>
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<td>10 min + 5 min discussion</td>
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<td></td>
<td>Jérémy Raymond (Orsay, France)</td>
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<tr>
<td>16:05-16:20</td>
<td>Oral presentation from selected ESDR poster abstracts</td>
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<td><strong>Human hair follicles can &quot;taste&quot;: Stimulation of the bitter taste receptor TAS2R4 inhibits hair growth ex vivo by up-regulating TGF-β2 (#571)</strong></td>
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<tr>
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<td>10 min + 5 min discussion</td>
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<td></td>
<td>Jennifer Gherardini (Miami, USA)</td>
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<tr>
<td>16:20-16:35</td>
<td>Oral presentation from selected ESDR poster abstracts</td>
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<td><strong>Melatonin induces melanoma cell death and synergizes with BRAF/MEK inhibitors by altering cell bioenergetics (#484)</strong></td>
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<td>10 min + 5 min discussion</td>
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<td>Konrad Kleszczynski (Münster, Germany)</td>
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<tr>
<td>16:35-17:05</td>
<td><strong>Lecture 4</strong> Cannabinoids in dermatology — current state and future directions</td>
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<td>20 min + 10 min discussion</td>
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<tr>
<td></td>
<td>Tamas Biro (Debrecen)</td>
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<tr>
<td>17:05-17:35</td>
<td><strong>Podium Discussion</strong></td>
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<td>&quot;If I had to choose only one innovative &amp; important frontier in dermatoendocrinology research on which I'd love to fully focus over the next 2 years, assuming I had the funding &amp; manpower, which one would this be?&quot;</td>
</tr>
<tr>
<td>17:35-17:40</td>
<td><strong>Closing Remarks</strong></td>
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<tr>
<td></td>
<td>Markus Böhm (Münster), Ralf Paus (Miami, USA &amp; Manchester, UK)</td>
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</tbody>
</table>
# 28 September 2022 Wednesday

## Future Leaders Symposium

### Chairs:
- Beatrice Dyring-Andersen (Copenhagen)
- Tiago R. Matos (Amsterdam)

### Location: Room 4  
**Time: 15:00 - 19:00**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 15:00 - 15:10 | Opening Remarks  
Beatrice Dyring-Andersen (Copenhagen), Tiago R. Matos (Amsterdam) |
| 15:10 - 15:25 | Future Leader Presentations  
Clonal expansion of skin keratinocyte resolved at single-clone level  
Yoshihiro Ishida (Asia/Oceania region)  
Modulating Insulin-like Growth Factor 2 mRNA-binding Protein 1 (IGF2BP1) in Basal Cell carcinoma Treatment.  
Felicite Noubissi Kamdem (Americas region) |
| 15:40 - 15:55 | A life long with alopecia areata  
Marta Bertolini (Europe/Middle-East/Africa region) |
| 16:00 - 16:15 | Coffee Break |
| 16:15 - 16:05 | Invited Lectures  
Science and leadership  
Tamar Nijsten (Rotterdam)  
Biodesign: design with and for nature  
Emma van der Leest (Biodesigner, Rotterdam)  
The secrets of the skin revealed  
Jasper Buikx (Microbiologist & Director of Micropia, Amsterdam) |
| 17:55 - 18:00 | Closing Remarks |
| 18:00 - 19:00 | Future Leaders Networking Reception  
All symposium delegates welcome to attend reception at meeting venue. |
| 18:00 - 19:00 | Future Leaders Reception  
Grote Zaal (Exhibition area) |
| 19:00 - | Future Leaders Networking Dinner |

This session is supported by

[AnaptysBio](#)  
[Incyte](#)  
[Sanofi](#)  
[Janssen](#)
28 SEPTEMBER 2022
FRIDAY

Future Leaders Reception
18.00-19.00
Grote Zaal (Exhibition and Poster Area) Beurs von Berlage

Future Leaders Networking Event
19.00-22.00
The pre-registration is now closed, should you not register already please put your name on a waiting list at the Future Leaders Symposium.

Priority will be given to ESDR Future Leaders Alumni and scientists 40 and under attending the Future Leaders Symposium.
Thursday
29 SEPTEMBER 2022
### PROGRAM OVERVIEW

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<th>Event</th>
<th>Location</th>
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<tr>
<td>08:30-09:00</td>
<td>ESDR 2022 Scholarships Ceremony</td>
<td>Room 1</td>
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<tr>
<td>09:00-10:30</td>
<td>Drug Discovery &amp; Translational Medicine</td>
<td>Room 1</td>
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<tr>
<td>09:00-10:30</td>
<td>Eastern Europe Symposium</td>
<td>Room 2</td>
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<tr>
<td>10:30-11:00</td>
<td>Coffee Break</td>
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<tr>
<td>11:00-11:15</td>
<td>Opening Ceremony</td>
<td>Room 1</td>
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<tr>
<td>11:15-11:45</td>
<td>ESDR Keynote Lecture: Maksim Plikus</td>
<td>Room 1</td>
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<tr>
<td>12:00-13:00</td>
<td>Plenary Session 1</td>
<td>Room 1</td>
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<tr>
<td>13:15-14:30</td>
<td>Boehringer Ingelheim Symposium</td>
<td>Room 3</td>
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<td>13:15-14:15</td>
<td>Incyte Symposium</td>
<td>Room 2</td>
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<td>13:15-14:15</td>
<td>Janssen Symposium</td>
<td>Room 1</td>
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<tr>
<td>14:30-15:00</td>
<td>* NEW * Angles 1: Giuseppe Argenziano and Susana Puig</td>
<td>Room 1</td>
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<tr>
<td>15:00-16:30</td>
<td>Concurrent 1: Epidermal Structure and Function</td>
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<td>Concurrent 2: Adaptive Immunity and Autoimmunity</td>
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<td>Concurrent 3: Wound Healing and Tissue Remodelling</td>
<td>Room 3</td>
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<tr>
<td>16:30-17:30</td>
<td>Poster Walks 01-06 and Coffee</td>
<td>Grote Zaal (Exhibition Area)</td>
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<tr>
<td>17:30-18:00</td>
<td>René Touraine Lecture: Catherine Smith</td>
<td>Room 1</td>
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<tr>
<td>18:00-18:30</td>
<td>Collegiality and Honorary Membership Awards</td>
<td>Room 1</td>
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<tr>
<td>18:30-19:00</td>
<td>Special Guest Lecture: Dora Vargha</td>
<td>Room 1</td>
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<tr>
<td>19:00-21:00</td>
<td>Welcome Networking Reception</td>
<td>Grote Zaal (Exhibition Area)</td>
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</table>
29 SEPTEMBER 2022
THURSDAY

Drug Discovery & Translational Medicine

Chairs:
Hervé Bachelez (Paris)
Sabine Eming (Cologne)

Brigitte Dreno
Kilian Eyerich
Serge Muyldermans

This session is supported by

sanofi REGENERON®

Location: Room 1
Time: 09:00 - 10:30

Part one: PROGRAM

09:00 - 09:30
Phage therapy in acne
Brigitte Dreno (Nantes)

09:30 - 10:00
Disease classification and biological therapies: is it a match?
Kilian Eyerich (Freiburg)

10:00 - 10:30
Nanobodies: Minimal-sized antibodies for versatile applications
Serge Muyldermans (Brussels)
Eastern Europe Symposium

Chairs:
Andrea Szegedi (Hungary)
Marta Szell (Hungary)

Location: Room 2  Time: 09:00 - 10:30

09:00- 09:05  Welcome and Introduction
Andrea Szegedi (Debrecen)

09:05- 09:13  [POSTER 110]
Characteristics and management of generalized pustular psoriasis (GPP): experience from the Central and Eastern Europe (CEE) GPP Expert Network
P. Wolf,1 R. Cevoric,2 C. Conrad,3 M. Marovt,4 V. Mateeva,5 J. Maul,6 A. Nicolescu,7 L. Pavlovsky,8 A. Szegedi9 and A. Reich10
1Medical University of Graz, Graz, Austria, 2University Hospital Centre Zagreb, Zagreb, Croatia, 3Lausanne University Hospital, Lausanne, Switzerland, 4University Medical Centre Maribor, Maribor, Slovenia, 5Medical University – Sofia, Sofia, Bulgaria, 6University Hospital of Zurich, Zurich, Switzerland, 7Roma Medical Center, Bucharest, Romania, 8University of Tel Aviv, Tel Aviv, Israel, 9University of Debrecen, Debrecen, Hungary and 10University of Rzeszów, Rzeszów, Poland

09:13- 09:21  [POSTER 134]
The role of gut microbiota-derived metabolites in psoriasis
M. Sikora1 and J. Giebultowicz11 National Institute of Geriatrics, Rheumatology and Rehabilitation, Warsaw, Poland and 12Medical University of Warsaw, Warsaw, Poland

09:21- 09:29  [POSTER 364]
The neuropeptide B type natriuretic peptide (BNP) induces limited activation of human monocyte-derived Langerhans cells
D. Horvath,1,2 Z. Pénzes,1,2 S. Alimohammadi1,2 and AG. Szőlősi1
1Faculty of Medicine, Department of Immunology, University of Debrecen, Debrecen, Hungary and 2Doctoral School of Molecular Medicine, University of Debrecen, Debrecen, Hungary

09:29- 09:37  [POSTER 372]
Mechanism of cytosolic nucleic acid-induced CX3CL1 expression of human keratinocytes
M. Széll,1 E. Kelemen,1 E. Adam,1 J. Danis2 and L. Kemény4
1Department of Dermatology and Allergology, University of Szeged, Szeged, Hungary, 2Department of Dermatology and Allergology, University of Szeged, Szeged, Hungary, 3HCEMM-Skin Research Group, Szeged, Hungary and 4Eötvös Loránd Research Network, MTA-SZTE Dermatological Research Group, Szeged, Hungary

[POSTER 373]
Abnormal type VII collagen expression in non-lesional psoriatic skin
B. Guban,1 L. Flink,2 R. Bozo,1 J. Danis,2 Z. Raszga,2 B. Koncz,1 M. Széll,1 L. Kemény1 and Z. Bata-Csorgó1
1Department of Medical Genetics, University of Szeged, Szeged, Hungary, 2Department of Pathology, University of Szeged, Szeged, Hungary and 3ELKH-Szte Dermatological Research Group, University of Szeged, Szeged, Hungary
# Eastern Europe Symposium

**Chairs:**
- Andrea Szegedi (Hungary)
- Marta Szell (Hungary)

## Location: Room 2  Time: 09:00 - 10:30

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</table>
| 09:45 - 09:53 | Periostin: Can it be a marker in the follow-up of chronic urticaria?  
**B Cayhan**, Z Turkoglu, Çam and Sakura City Hospital, Istanbul, Turkey |
| 09:53 - 10:01 | Multispectral imaging algorithm predicts Breslow tumor depth of malignant melanoma  
**S Bozsanyi**, NN Varga, K Farkas, A Banvolygy, K Lorincz, G Paragh, P Hollo, M Medvecz, N Kiss and N Wikonka
|               | 1Department of Dermatology, Venereology and Dermatooncology, Semmelweis University, Szolnok, Hungary,  
2Department of Dermatology, Roswell Park Comprehensive Cancer Center, Buffalo, NY and  
3Department of Cell Stress Biology, Roswell Park Comprehensive Cancer Center, Buffalo, NY |
| 10:01 - 10:09 | Enhancement of antibody-dependent cellular cytotoxicity is associated with treatment response to extracorporeal photopheresis in Sézary syndrome  
**C Iselin**, Y Chang, T Schlaepfer, C Fassnacht, F Dimitriou, M Nágeli, S Pascolo, W Hoetzenecker, M Bobrowicz and E Guenova
|               | 1Faculté de biologie et de médecine, UNIL, Lausanne, Switzerland,  
2Service de dermatologie et vénéréologie, CHUV, Lausanne, Switzerland,  
3Department of Dermatology, Cantonal Hospital St. Gallen, St. Gallen, Switzerland,  
4Department of Dermatology, University Hospital Zurich, Zurich, Switzerland,  
5Dermatologie und Venerologie, Kepler Universitäts Klinikum, Linz, Austria and  
6Department of Immunology, Medical University of Warsaw, Warsaw, Poland |
| 10:09 - 10:17 | The Patent Landscape Analysis of Skin Bioinks for 3D Bioprinting  
**E Borzova**, G Cardeal, S Soperna, J Zhao and A Lepekhova
|               | 1Department of Dermatology and Venereology, I.M.Sechenov First State Medical University, Moscow, Russian Federation and  
2I.M.Sechenov First State Medical University, Moscow, Russian Federation |
| 10:17 - 10:25 | The role of YAP1 in regeneration of human skin and in pathological states  
**O Cherhaisha**, E Morgun, A Rippa, A Kosykh, E Chermnykh, E Vorotelyak and E Kalabusheva
|               | 1Koltsov Institute of Developmental Biology of Russian Academy of Sciences, Moscow, Russian Federation |
| 10:25 - 10:30 | Closing Remarks |

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**29 SEPTEMBER 2022**

**THURSDAY**

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Professor Plikus received his Ph.D. degree in Pathology from the University of Southern California, where he worked with Dr. Cheng-Ming Chuong and carried out studies on the mechanism of hair stem cell regeneration. Later he joined Dr. George Cotsarelis at the University of Pennsylvania to work on wound regeneration. Prof. Plikus is currently a professor in the Department of Developmental and Cell Biology at the University of California, Irvine.
29 SEPTEMBER 2022
THURSDAY

Plenary 1

Chairs:
Eli Sprecher (Tel Aviv)
Marta Szell (Szeged)

Location: Room 1
Time: 12:00 - 13:00

[ABSTRACT 260]
Mosaic BRAF fusions are a recurrent cause of multiple congenital melanocytic naevi

S Barberan Martin,1,2 S Polubothu,3,2 A Bruzos,1,2 P Lopez-Balboa,2 N Bulstrode,3 G Kelly1 and V Kinsler1,2,3,2 Francis Crick Institute, London, United Kingdom, 2 University College of London, London, United Kingdom and 3 Great Ormond St Hospital for Children NHS Foundation, London, United Kingdom

[ABSTRACT 177]
The Striatin-Interacting Phosphatase and Kinases complex is important for skin epidermal differentiation and barrier formation

H Khatif1,2, L Wirtz,1,2 E Soroka1,2 and H Bazzi1,2 1 Department of Dermatology & Venereology, University of Cologne, Germany and 2 CECAD, University of Cologne, Germany

[ABSTRACT 316]
A unique population of dermal conventional dendritic cells enhances TH2 and inhibits TH17 cell polarization in healthy skin

J Mayer,1,2 K Hilligan,1,2 J Chandler,2 D Eccles,1,2 R Domingues,2 F Brombacher,1 L Connor,2 G Le Gros,2 O Lamiable2 and F Ronchese1,2 1 Department of Dermatology and Allergology, Philipps University Marburg, Marburg, Germany, 2 Malaghan Institute of Medical Research, Wellington, New Zealand, 3 University of Manchester, Manchester, United Kingdom and 4 University of Cape Town, Cape Town, South Africa

[ABSTRACT 593]
Preventing fibrosis in patients with recessive dystrophic epidermolysis bullosa

G Tartaglia,1 N Patel,2 I Fuentes,1,2 Z Padron,1 L Han1 and A South1 1 Thomas Jefferson University, Philadelphia, PA and 2 Drexel University, Philadelphia, PA

[ABSTRACT 545]
Skin Organoids derived from NCSTN mutated patient-induced pluripotent stem cells recapitulate Hidradenitis Suppurativa pathogenic hallmarks

C Nait Meddour1 PM Tricarico,2 S Garcovich,3 J Berthier,4 G Marianne,4 S Jamain1 and M Boniotti1 1 Translational Neuropsychiatry, Univ Paris Est Créteil, INSERM, IMRB, Créteil, France, 2 IRCCS Burlo Garofolo, Trieste, Italy, 3 Dermatology, Fondazione Policlinico A. Gemelli IRCCS, Rome, Italy and 4 Univ Paris Est Créteil, INSERM, IMRB, Créteil, France
29 SEPTEMBER 2022
THURSDAY

Boehringer Ingelheim Symposium

Exploring a New Path Forward in Generalized Pustular Psoriasis

Objectives:

- Describe the clinical features and disease burden of GPP flares for patients
- Appreciate that GPP is a distinct clinical entity from plaque psoriasis
- Review the evidence highlighting the central role of IL-36 in GPP
- Discuss the unmet needs in GPP treatment, and present targeted GPP-specific treatments in development

Chair: Peter van de Kerkhof
Speakers: Mahira El Sayed, Siew-Eng Choon, Johann Gudjonsson

Location: Room 3
Time: 13:15 - 14:30

Part one: PROGRAM

13:15 - 13:20  Welcome and Introductions  
Peter van de Kerkhof (The Netherlands)

Mahira El Sayed (Egypt)

13:35 - 13:50  A Fork in the Road: Distinguishing GPP from Plaque Psoriasis  
Siew-Eng Choon (Malaysia)

13:50 - 14:05  IL-36: Exploring a Central Pathway in GPP  
Johann Gudjonsson (United States)

14:05 - 14:20  Forging a New Path in GPP: From Bench to Bedside  
Peter van de Kerkhof (The Netherlands)

14:20 - 14:30  Q&A and Closing Remarks  
All Above Speakers
Incyte Symposium

The JAK-STAT Pathway in Cutaneous Autoimmune Diseases

Chair: Professor Julien Seneschal
Speaker: Professor Curdin Conrad

Location: Room 2  Time: 13:15 - 14:15

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<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
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<tr>
<td>13:15-13:20</td>
<td>Welcome and Introduction</td>
<td>Julien Seneschal (France)</td>
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<tr>
<td>13:20-13:45</td>
<td>The JAK-STAT pathway and its relevance to skin diseases</td>
<td>Curdin Conrad (Switzerland)</td>
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<tr>
<td>13:45-14:10</td>
<td>Potential clinical applications of the JAK-STAT pathway in dermatology</td>
<td>Julien Seneschal (France)</td>
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<tr>
<td>14:10-14:15</td>
<td>Concluding remarks and meeting close</td>
<td>Julien Seneschal (France)</td>
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Janssen Symposium

My memory is not what it used to be: Connecting the science to long-term clinical outcomes in psoriasis management

Objectives:

After this symposium, participants should be able to:

- Examine the pathophysiological mechanisms driving psoriasis disease progression and inflammation and their clinical implications
- Explain recent mechanistic and clinical data on tissue-resident memory cells and IL-23-pathway inhibition and consider the impact of these data on clinical practice
- Differentiate therapies for psoriasis based on mechanisms of action, indication, efficacy/effectiveness and safety data, and impact on patient-report outcomes

Chairs: Chris Griffiths (UK) and Andreas Pinter (Germany)
Speakers: Knut Schäkel (Germany)

Location: Room 1  Time: 13:15 - 14:30

Part one: PROGRAM

<table>
<thead>
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<th>Time</th>
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</table>
| 13:15 - 13:20 | Welcome and Introductions  
Chris Griffiths (UK) |
| 13:20 - 13:35 | Forget me not: TRM cells, physiology, and the skin  
Andreas Pinter (Germany) |
| 13:35 - 13:50 | Better to be early...: Early intervention and disease modification in the skin  
Knut Schäkel (Germany) |
| 13:50 - 14:05 | A long way to go: Updates on long-term management of psoriasis  
Chris Griffiths (UK) |
| 14:05 - 14:25 | Putting it in to practice: comprehensive management of psoriasis  
All faculty; moderated by Andreas Pinter |
| 14:25 - 14:30 | Closing Remarks  
Andreas Pinter (Germany) |
Angles

Angle 1: Early Detection of Cancer: Man vs Machine

Angles is a new session in 2022 where two eminent experts present different aspects of a controversial topic of relevance to dermatologists and skin scientists in the context of an academic discussion.

Moderator: Neil Rajan (UK)

Location: Room 1

Time: 14.30-15.00 CET

Giuseppe Argenziano  
Susana Puig

1. Are you scared about AI?
2. Do you think we will use AI in the practice?

Access the questions: www.slido.com using the code #Angles1
Concurrent 1: Epidermal Structure and Function

Chairs: Caterina Missero (Naples), Matthias Schmuth (Innsbruck)
Plenary talks are 8 minutes plus 2 minutes discussion

Location: Room 1  Time: 15:00 - 16:20

15:00 - 15:10
[ABSTRACT 172]
CYSRT1: an antimicrobial epidermal protein that interacts with late cornified envelope (LCE) proteins
H Niehues, G Rikken, F Kersten, J Eeftens, M Oortveld, D van der krieken, P Jansen, IM van Vlijmen-Williams, JP Smits, N van den Brink, W Hendriks, T Eerdeven, J Schalkwijk, PL Zeeuwen and EH van den Bogaard Dermatology, Radboudumc, Nijmegen, Netherlands

15:10 - 15:20
[ABSTRACT 184]
The role of the Laminin 332 in cholesterol transport in dry and Aged skin
P Parzymies, E Jones, MP Caley, EA O’Toole, D Messenger and A Mayes 1 Blizard Institute, Queen Mary University of London, London, United Kingdom and 2 Research and Development, Unilever, Colworth, United Kingdom

15:20 - 15:30
[ABSTRACT 548]
Deletion of Myelin Protein Zero-like 3 increases sebaceous gland size and sebocyte proliferation but reduces skin adipose depots: Can MPZL3 inhibition promote excessive loss of lipids via sebum hypersecretion?
TC Wikramanayake, C Nicu, J Gherardini, T Suzuki, J Chéret and R Paus Dr. Phillip Frost Department of Dermatology & Cutaneous Surgery, University of Miami Miller School of Medicine, Miami, FL

15:30 - 15:40
[ABSTRACT 174]
Defining the composition and function of Lamin ribonuclear bodies during keratinocyte terminal differentiation and nuclear degradation
DJ Wotherspoon, T Tachie-Menson, C Rogerson and R O’Shaughnessy Centre for Cell Biology and Cutaneous Research, Queen Mary University of London, London, United Kingdom

15:40 - 15:50
[ABSTRACT 175]
Yap and Notch signaling activities correlate with the two phases of skin epidermal stratification during development
L Wirtz, M Damen, H Khatif, E Soroka, B Simons and H Bazzi 1 Dermatology, University Hospital Cologne, Cologne, Germany and 2 The Welcome Trust/Cancer Research UK Gurdon Institute, University of Cambridge, Cambridge, United Kingdom

15:50 - 16:00
[ABSTRACT 178]
The LRRC8 ion channel as novel drug target for psoriasis
T Fauth, M Jahn, O Rauh and C Buerger BRAIN Biotech AG, Zwingenberg, Germany, 2 Department of Dermatology, University Hospital Frankfurt, Frankfurt, Germany and 3 Membrane Biophysics, Technische Universität Darmstadt, Darmstadt, Germany

16:00 - 16:10
[ABSTRACT 179]
Oxidative Damage is a Hallmark of Atopic Dermatitis in Humans and Mice
M Koch, E Rodriguez, U Wehkamp, H Beer, E Tschachler, S Weidinger, U auf dem Keller and S Werner 1 ETH Zurich, Zurich, Switzerland, 2 University Hospital Schleswig-Holstein, Kiel, Germany, 3 University Hospital Zurich, Zurich, Switzerland, 4 Medical University of Vienna, Vienna, Austria and 5 Technical University of Denmark, Lyngby, Denmark

16:10 - 16:20
[ABSTRACT 173]
A Model to Unravel Pathways Underpinning Palmoplantar Homeostasis and Disease
S Murtough, L Ramos Del Cano, PJ Delaney, CM Webb, B Colom, PH Jones, D Blaydon1 and D Kelsell Queen Mary University of London, London, United Kingdom and 2 Wellcome Sanger Institute, Cambridge, United Kingdom
Concurrent 2: Adaptive Immunity and Autoimmunity

Chairs: Curdin Conrad (Lausanne), Bernhard Homey (Düsseldorf)

Plenary talks are 8 minutes plus 2 minutes discussion

Location: Room 2  Time: 15:00 - 16:20

15:00 - 15:10  [ABSTRACT 001]  
Effector functions of human TH9 cells depend on PPARγ-regulated glucose metabolism  
F Luther,1 O Steck,1 NL Bertschi,1 C Bazzini,1 I Keller,1 D Simon1 and C Schlapbach1  
1 Dermatology, University Hospital Bern, Inselspital, Bern, Switzerland and 2 Interfaculty Bioinformatics Unit and Swiss Institute of Bioinformatics, University of Bern, Bern, Switzerland

15:10 - 15:20  [ABSTRACT 006]  
Conventional dendritic cell 2 as an activator for cytotoxic T lymphocytes in the elicitation phase of murine contact hypersensitivity  
F Minami,1 R Asahina,1 S Ono,1 T Honda,2 G Egawa,1 S Nakamizo1 and K Kabashima1  
1 Dermatology, Graduate School of Medicine Kyoto University, Kyoto city, Japan and 2 Dermatology, Hamamatsu University School of Medicine, Hamamatsu, Japan

15:20 - 15:30  [ABSTRACT 015]  
Clonal sharing of skin T cells within different skin compartments and blood  
E Hoffer1,2, W Zheng1,2, J Kärner, M Ehrström3, L Eidsmo1,2  
1 Leo Foundation Skin Immunology Center, Department of Microbiology and Immunology, University of Copenhagen, Denmark and 2Division of Rheumatology, Department of Medicine, Karolinska Institute, Sweden and 3Nordiska Kliniken, Stockholm, Sweden

15:30 - 15:40  [ABSTRACT 007]  
Antibodies to the BP180 C-terminus cause autoimmune blistering disease through activation of the C5a/C5aR1 axis and Fcγ receptors  
M Pigors,1 S Patzelt,1 N Reichhelm,1 S Emtenani,1 J Dworschak,7 K Bieber,1 S Goletz,1 L Komorowski7,1 C Probst,7 J Köhl1 and E Schmidt1  
1 University of Lübeck, Lübeck, Germany and 7 EUROIMMUN AG, Lübeck, Germany
# Concurrent 2: Adaptive Immunity and Autoimmunity

**Chairs:**
- Curdin Conrad (Lausanne)
- Bernhard Homey (Düsseldorf)

**Location:** Room 2  
**Time:** 15:40-16:20

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
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</table>
CM Hammers, A Khodr El-Oueyk, C Papara, O Isken, N Tautz, C Lin, JE Hundt, A Verschoor, D Zillikens, E Schmidt, DL Siegel, and JR Stanley  
Derm, U Luebeck, Luebeck, Germany, LIED, U Luebeck, Luebeck, Germany, Virol, U Luebeck, Luebeck, Germany, Derm, UPENN, Phila, PA and Path Lab Med, UPENN, Phila, PA |
| 15:50 - 16:00 | [ABSTRACT 322] Type 2 cytokines regulate dermal adipocyte function early in life through hormone-sensitive lipase  
S Satzinger, S Willenborg, X Ding, D Voehringer and SA Eming  
Dermatology, University of Cologne, Cologne, Germany and Infection Biology, University Hospital Erlangen and Friedrich-Alexander University Erlangen-Nuremberg (FAU), Erlangen, Germany |
| 16:00 - 16:10 | [ABSTRACT 323] A Novel, Stress-Responsive and Clinically Predictive Humanized Mouse Model of Atopic Dermatitis: Autologous Th2-Polarized Lymphocytes Sufficient to Induce Characteristic Lesions in Healthy Non-Atopic Human Skin Xenotransplants In Vivo  
R Paus, A Keren, K Reich, M Bertolini, C Riethmüller, Y Ullmann, and A Gilhar  
Dermatology, University of Miami, Miami, FL, Technion–Israel Institute of Technology, Haifa, Israel, Institute for Health Care Research in Dermatology and Nursing, University Medical Center Hamburg – Eppendorf, Hamburg, Germany, Monasterium Laboratory, Münster, Germany and Serendip GmbH, Münster, Germany |
| 16:10 - 16:20 | [ABSTRACT 004] Cell-based therapy may be effective in alopecia areata: Preclinical evidence that autologous, peripheral regulatory γdT cells are preventive in human ex vivo and therapeutic in human in vivo models  
A Keren, M Bertolini, R Paus and A Gilhar  
Technion, Haifa, Israel, Monasterium, Münster, Germany and University of Miami, Miami, FL |
Concurrent 3: Wound Healing and Tissue Remodelling

Chairs:
Emanuel Rognoni (London)
Enikő Sonkoly (Stockholm)

Location: Room 3  Time: 15:00 - 16:20

15:00 - 15:10
[ABSTRACT 591]
Exploring the molecular basis for the dermal fibroblast state switch
T Kirk, A Ahmed, J Connelly and E Rognoni
Queen Mary University of London, London, United Kingdom

15:10 - 15:20
[ABSTRACT 596]
Elucidating the role of Circular RNA circGLIS3 in human skin wound healing
M Toma, G Huo, J Geera and NX Landén
Karolinska Institute, Solna, Sweden

15:20 - 15:30
[ABSTRACT 317]
Healthy repair of injured skin requires mitochondrial repurposing in wound macrophages
S Willenberg, DE Sanin, J Aijala, JL Schultz, A Roers, J Brüning, A Trifunovic and SA Eming
Dermatology, University of Cologne, Cologne, Germany, 3 MPI Epigenetics and Immunobiology, Freiburg, Germany, 4 MPI Metabolism Research, Cologne, Germany, 5 LIMES-Institute, Bonn, Germany, 6 Immunology, TU Dresden, Dresden, Germany, 6 MPI Epigenetics and Immunobiology, Cologne, Germany and 7 CECAD, University of Cologne, Cologne, Germany

15:30 - 15:40
[ABSTRACT 185]
aPKC is a rheostat that controls basal junctional dynamics and suprabasal cytoskeletal organization essential for epidermal dynamics and integrity
M Rübsam, R Püllen, F Telkamp, A Bianco, M Pescoller, W Bloch, KJ Green, R Merkel, B Hoffmann, S Wickström and C Niessen
Department Cell Biology of the Skin, University of Cologne, Cologne, Germany, 2 Institute of Complex Systems, Forschungszentrum Jülich, Jülich, Germany, 3 Institute for Genetics, University of Cologne, Cologne, Germany, 4 Department of Molecular and Cellular Sport Medicine, German Sport University of Cologne, Cologne, Germany, 5 Department of Dermatology, Northwestern University, Chicago, IL and 6 Stem Cells and Metabolism Research Program, University of Helsinki, Helsinki, Finland

15:40 - 15:50
[ABSTRACT 271]
Ribosome heterogeneity by rRNA methylation in skin cell senescence
G Yang, F Nagelreiter, M Schmid-Siegel, C Heissenberger and M Schosserer
Institute of Molecular Biotechnology, Department of Biotechnology, University of Natural Resources and Life Sciences, Vienna, Vienna, Austria, 2 CD Laboratory for Multimodal Imaging of Aging and Senescence of the Skin, Medical University of Vienna, Vienna, Austria, 3 Austrian Cluster for Tissue Regeneration, Vienna, Austria and 4 Biochemistry Center (BZH), Heidelberg University, Heidelberg, Germany

15:50 - 16:00
[ABSTRACT 594]
Hippo pathway drives excessive fibrosis in Hidradenitis Suppurativa
KR van Straalen, F Ma, M Calbet, M Gharaei-Kermani, RW Wasikowski, AC Billi, E Tsou, LC Tsoi and JD Hodson
1 Dept of Dermatology, University of Michigan Medical School, Ann Arbor, MI, 2 Div of Rheumatology, Dept of Internal Medicine, University of Michigan Medical School, Ann Arbor, MI and 3 R&D Center, Almirall SA, Sant Feliu de Llobregat, Spain

16:00 - 16:10
[ABSTRACT 592]
Epigenetic memory of radiation injury in skin fibroblasts of cancer patients
MM Piipponen, X Bian, Z Liu, M Maselli, F Sommar, M Halle and NX Landén
1 Department of Medicine Solna, Karolinska Institutet, Solna, Sweden, 2 University of Trieste, Trieste, Italy and 3 Plastic and Reconstructive Surgery, Karolinska University Hospital, Stockholm, Sweden

16:10 - 16:20
[ABSTRACT 595]
Type I interferon contributes to vasculopathy and accelerated fibrosis in systemic sclerosis
HY Yin, Q Yan and LL Lu
Rheumatology, Shanghai Jiao Tong University School of Medicine Affiliated Renji Hospital, Shanghai, China
### Poster Walks 1-6

All delegates are invited to join poster walk sessions during ESDR 2022. Each presenter will be given 3-4 minutes plus a few minutes discussion to present their poster at the assigned electronic poster kiosk. The kiosks used for poster walks are equipped with microphones.

**Location:** Grote Zaal (Exhibition area)  
**Time:** 16:30 - 17:30

<table>
<thead>
<tr>
<th>Time</th>
<th>PW 01: Immunity and Disease 002 008 009 012 014 016 320</th>
<th>Kiosk #1: Poster Walk Leader: Jeremy Di Domizio</th>
</tr>
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<tr>
<td></td>
<td>PW 02: Cutaneous Immunology 005 018 089 321 325 326 352</td>
<td>Kiosk #2: Poster Walk Leader: Stefanie Eyerich</td>
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<td>PW 03: Ageing and Senescence 190 198 280 517 520 559 561</td>
<td>Kiosk #3: Poster Walk Leader: Florian Gruber</td>
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<tr>
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<td>PW 04: Wound Healing &amp; Tissue Remodelling 597 598 599 600 601 602 603</td>
<td>Kiosk #4: Poster Walk Leader: John Connelly</td>
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<td>PW 05: Skin Cancer 433 435 439 441 442 451 455</td>
<td>Kiosk #5: Poster Walk Leader: François Kuonen</td>
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<td>PW 06: Epidermis and Disease 183 187 191 195 196 199 334</td>
<td>Kiosk #6: Poster Walk Leader: Sandrine Dubrac</td>
</tr>
</tbody>
</table>
Catherine Smith
René Touraine Lecture
Predictors of success in psoriasis and atopic dermatitis

Introduced by: Phyllis Spuls (Amsterdam)

Location: Room 1  
Time: 17.30-18.00

Catherine is an Adjunct Professor of Dermatology and Therapeutics and Consultant Dermatologist at St John’s Institute of Dermatology, Kings College London and Guys and St Thomas’ Hospital. She co-directs the Skin Therapy Research Unit and is also a lead clinician in national specialised services for adults with severe psoriasis and eczema.

Her clinical and research interests focus on inflammatory skin disease and translational medicine, extending from biomarker discovery through to interventional studies (phase II-IV), and involves major national and international collaboration. She also has a major interest in guideline development and implementation in the UK and Europe, with the aim of bringing research findings into clinical practice. She chaired the UK’s NICE guidelines on Psoriasis and the British Association of Dermatologists guidelines on Biologic therapy.

More information on the website:  
www.kcl.ac.uk/people/catherine-smith
29 SEPTEMBER 2022
WEDNESDAY

2022 Awards Ceremony

Moderator: Hervé Bachelez

Location: Room 1  Time: 18:00 - 18:30

18:00 - 18:05  SID/ESDR 2022 Collegiality Awards
18:05 - 18:10  JSID/ESDR 2022 Collegiality Awards
18:10 - 18:15  LEO Foundation 2022 EMEA Award
18:15 - 18:17  Mary Kay Awards Announcement
18:17 - 18:30  Honorary Memberships

Fiona Watt: Presented by Marta Szell
Martin Röcken: Presented by Hervé Bachelez
Mark Udey: Presented by Sabine Eming
I am a historian of medicine, science and technology, with expertise in the history of epidemics, the politics of health, and Cold War history. My work focuses on questions of global health and biomedical research in the Cold War era, using the locality of Eastern Europe as a starting point. My research is informed by gender history, history of childhood and disability history, and is in conversation with medical anthropology, sociological approaches and political science. I received my PhD in History from Rutgers University and before joining Exeter I was a research fellow at the Max Planck Institute for the History of Science, Berlin, and a postdoctoral fellow at Birkbeck, University of London.

My interest spans from the politics of epidemic management to public health systems and access to therapeutics. My book, *Polio Across the Iron Curtain: Hungary’s Cold War with an Epidemic* was published open access in 2018 with Cambridge University Press. I have written on the global infrastructure of diphtheria antitoxin, the politics of vaccination in Eastern Europe, hospital care of disabled children in communist contexts and about shifting epidemic narratives in historical analysis.

With colleagues from the University of Oxford, the University of Edinburgh and Johns Hopkins University I have been working on an engaged research project titled *After the End of Disease*. Placing epidemic narratives in focus, this project is an interdisciplinary collaboration to interrogate epidemic endings, think past the conventional narrative and neat epidemic bell-curves to identify, collect and disseminate different understandings of disease impacts.

Currently I am embarking on two, interconnected research projects exploring alternative approaches to the history of global health. Socialist Medicine: An Alternative Global Health History, funded by an ERC Starting Grant investigates the role of the socialist world in global health structures and networks, while the collaborative project funded by the Wellcome Trust, Connecting Three Worlds, together with Sarah Marks (Birkbeck) and Edna Suarez-Diaz (UNAM, Mexico) explores socialist networks in public health, technical assistance programs and mental health in the post-WWII era.

My work has been awarded the 2020 Medical Humanities Award for Best International Research by the AHRC and Wellcome Trust, the 2019 Book Prize of the European Association for the History of Medicine and Health, the J. Worth Estes Prize by the American Association for the History of Medicine in 2016, and the Young Scholar Book Prize by the International Committee for the History of Technology in 2014. I am co-editor of the journal of Social History of Medicine, a collaborating member of The Reluctant Internationalists research group, and member of the Centre for the Study of Internationalism at Birkbeck, University of London.

More information on the website.
Friday
30 SEPTEMBER 2022
Almirall Symposium

The end and what comes after: disease temporalities from a historical perspective

Objectives:
Thomas Bieber, Emma Guttman-Yassky and Tiago Torres will discuss the remaining unmet needs in AD, will review the role of IL-13 in the pathophysiology of the disease and will help us understand the similarities and differences of the different drugs that inhibit IL-13 signalling.

Chair(s): Thomas Bieber (Germany)
Speakers:
Thomas Bieber (Germany)
Emma Guttman-Yassky (USA)
Tiago Torres (Portugal)

Location: Room 3
Time: 08:00 - 09:00

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:00 - 08:05</td>
<td>Welcome and Introduction</td>
</tr>
<tr>
<td></td>
<td>Thomas Bieber (Germany)</td>
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<tr>
<td>08:05 - 08:20</td>
<td>Remaining unmet needs in AD</td>
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<td>Tiago Torres (Portugal)</td>
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<td>08:20 - 08:35</td>
<td>Role of IL-13 in AD pathophysiology</td>
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<td>Emma Guttman-Yassky (USA)</td>
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<td>08:35 - 08:50</td>
<td>Similarities and differences among IL-13 inhibitors</td>
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<td>Thomas Bieber (Germany)</td>
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<tr>
<td>08:50 - 09:00</td>
<td>Summary and Closing Remarks</td>
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<td>Thomas Bieber, Emma Guttman-Yassky and Tiago Torres</td>
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30 SEPTEMBER 2022
FRIDAY

Amryt Symposium
Building a future for epidermolysis bullosa (EB) patients one treatment at a time

Chair: Johann Bauer (Austria)
Speakers:
Su Lwin (UK)
Dedee Murrell (Australia)

Location: Room 4  
Time: 08:00 - 09:00

08:00 - 08:15  
The relentless challenge  
Johann Bauer (Austria)

08:15 - 08:30  
Opportunities for intervention  
Su Lwin (UK)

08:30 - 08:45  
Shifting the paradigm  
Dedee Murrell (Australia)

08:45 - 09:00  
Panel Discussion / Q&A  
All  
Moderated by Johann Bauer (Austria)
Galderma Symposium

Itch, and so much more: IL-31 is a central neuroimmune mediator of disease in atopic dermatitis and prurigo nodularis

Chair:
Bernhard Homey (Germany)

Speakers:
Bernhard Homey (Germany)
Kilian Eyerich (Germany)
Johann Gudjonsson (USA)

Objectives:

• Educate on the core pathophysiological role of IL-31 neuroimmune signalling in atopic dermatitis and prurigo nodularis
• Discuss the evidence demonstrating that IL-31 is a key neuroimmune driver of disease processes in atopic dermatitis and prurigo nodularis
• Share data demonstrating how IL-31 drives inflammation, skin barrier abnormalities, and itch in atopic dermatitis, and itch, inflammation, abnormal epidermal differentiation and fibrosis in prurigo nodularis
• Educate on the distinctive neuroimmune pathophysiological pathways that differentiate atopic dermatitis and prurigo nodularis disease processes
• Share recent data on how targeting IL-31 signalling may normalise pathophysiological processes in atopic dermatitis and prurigo nodularis

Location: Room 1  Time: 08:00 - 09:00

08:00 - 08:05  Welcome and Introductions by the Chair
Bernhard Homey (Germany)

08:05 - 08:20  Beyond the itch-scratch cycle: How IL-31 drives skin barrier dysfunction in atopic dermatitis
Kilian Eyerich (Germany)

08:20 - 08:35  Bridge to itch: How IL-31 signalling links the nervous, immune, and integumentary systems in atopic dermatitis and prurigo nodularis
Bernhard Homey (Germany)

08:35 - 08:50  One cytokine, two distinct diseases: How IL-31 signalling determines the inflammatory profiles of atopic dermatitis and prurigo nodularis
Johann Gudjonsson (USA)

08:50 - 09:00  Panel discussion and Q&A
Conclusions
All
Facilitated by Bernhard Homey (Germany)
UCB Symposium

Advancing the understanding of hidradenitis suppurativa

Objectives:

By the end of this session, participants will:

- Understand the HS pathophysiology, including the roles of various cytokines in driving disease
- Understand current treatment approaches, current treatment targets, and the need to achieve clinically relevant outcomes in HS
- Appreciate the need to raise treatment goals

Chair: James Krueger (US)
Speakers: Stevan Shaw (UK) and Brian Kirby (Ireland)

Location: Room 2  Time: 08:00 - 09:00

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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| 08:00 - 08:03 | Welcome and Introduction  
James Krueger (US) |
| 08:03 - 08:17 | Pivotal drivers of inflammation: what have we learned from psoriatic disease, and how might it inform our understanding of HS?  
Stevan Shaw (UK) |
| 08:17 - 08:31 | Uncovering the complex pathophysiology of HS: how has our understanding evolved?  
James Krueger (US) |
| 08:31 - 08:45 | Treating HS: why is there a need for additional treatment options?  
Brian Kirby (Ireland) |
| 08:45 - 09:00 | Panel Discussion and Closing Remarks  
James Krueger (US), Stevan Shaw (UK), Brian Kirby (Ireland) |
Richard Weller  Energizer Talk 1
Sunlight is more than just Vitamin D and bad news

Introduced by: Edel O’Toole (London)

Location: Room 1  Time: 09:00-09:30

Background

I graduated in medicine at St Thomas’ Hospital, University of London (now part of King’s College, London) and undertook my general/internal medicine training in the north of England and in Australia. Having gained my MRCP, I trained in dermatology at the Institute of Dermatology (St John’s) in London and in Aberdeen and Edinburgh. I spent some time out of my clinical training to complete a research MD degree. Having completed my dermatology training, I gained a scholarship from the University of Edinburgh, and spent three years in postdoctoral research training in the laboratories of Professor Victoria Kolb-Bachofen, Heinrich-Heine Universität, Düsseldorf, and of Dr Tim Billiar, University of Pittsburgh, USA. I was recruited from America to the post of Senior Lecturer and, laterly, Reader in Dermatology and Principal Investigator at the Centre for Inflammation Research, University of Edinburgh. My time is divided between clinical duties, where I am an honorary NHS Consultant Dermatologist with a particular interest in medical dermatology and eczema, and the University where I am active in research, and also a significant teaching commitment as Programme Director of the M.Med.Sci degree.

More information on the website: www.ed.ac.uk
Plenary 2

Chairs:
Leopold Eckhart (Vienna)
Rachel Watson (Manchester)

Location: Room 1  
Time: 09:30 - 11:00

09:30 - 09:42  
[ABSTRACT 315]  
PPAR-γ promotes cystine uptake to prevent unchecked lipid ROS and cell death in Th9 cells  
C Bazzini, NL Bertschi, F Luther, O Steck, N Begré and C Schlapbach  
Dermatology, Inselspital, Bern University Hospital, Bern, Switzerland

09:42 - 09:54  
[ABSTRACT 003]  
Interleukin (IL)-26 drives pathogenic IL-17A responses through a TH17-keratinocyte crosstalk  
A Fries,1 F Saidoune,1 F Kuonen,1 C Conrad,1 I Dupanloup,2 A Guerra de Souza,3 N Fournier,2 R Gotardo,2 J Di Domenico1 and M Gilliet1  
Dermatology, University Hospital Lausanne CHUV, Lausanne, Switzerland, 2 Translational Data Science, Swiss Institute of Bioinformatics, Lausanne, Switzerland and 3 Biomedical Data Sciences Center, CHUV, UNIL, and Swiss Institute of Bioinformatics, Lausanne, Switzerland

09:54 - 10:06  
[ABSTRACT 259]  
KLF4 variants: a novel cause of palmoplantar keratoderma  
K Malovitski,1,2 O Sarig,1 S Assaf,1,2 J Mohamad,1,2 S Bergson,1,2 A Peled,1,2 M Eskin-Schwartz,1,2 A Gatt,1 M Pavlovska1 and E Sprecher1  
Division of Dermatology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel, 2 Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel, 3 Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel, 4 Genetic Institute, Soroka University Medical Center, Beer Sheva, Israel and 5 Institute of Pathology, Tel Aviv Sourasky Medical Center, Tel Aviv, Israel

10:06 - 10:18  
[ABSTRACT 426]  
STAT3/5 locus gain is a disease marker and therapeutic target in leukemic/cutaneous T cell lymphoma  
S Dey,1 H Sorg,1,2 P Vieyra-Garcia,1 A Teufelberger,1 M Herling,4 E Heitzer,4 PT Gunning,4 L Kenner,4 SR Moritz3 and P Wolf1  
Department of Dermatology, Medical University of Graz, Graz, Austria, 2 University of Veterinary Medicine, Vienna, Austria, 3 Medical University of Vienna, Vienna, Austria, 4 Department of Medicine I, CECAD and CMMC, Cologne University, Cologne, Germany, 5 Institute of Human Genetics, Medical University of Graz, Graz, Austria and 6 University of Toronto Mississauga, Mississauga, ON, Canada

10:18 - 10:30  
[ABSTRACT 424]  
Perivascular niches dictate developmental cellular hierarchies during melanoma growth  
P Karras,1 I Bordeu,2 J Pozniak,1 A Nowosad,1 C Pazzi,1 N Van Raemdonck,1 E Landeolo,1 C Blanpain,1 F Rambow1 and J Marine1  
VIB Center for Cancer Biology, Leuven, Belgium, 2 Department of Applied Mathematics and Theoretical Physics, Centre for Mathematical Sciences, University of Cambridge, Cambridge, United Kingdom and 3 Free University of Brussels, Brussels, Belgium

10:30 - 10:42  
[ABSTRACT 590]  
Schwann cells – an unexpected key player in keloid formation  
M Direder,1,2 T Weiss,3 O Copic,1,2 V Vorstandlechner,3 K Klas,1,2 M Laggner,1,2 M Wielscher,4 D Bormann,1,2 HJ Ankersmit1,2 and M Mildner4  
Thoracic Surgery, Medical University of Vienna, Vienna, Austria, 2 Aaposcience AG, Vienna, Austria, 3 Plastic, Reconstructive and Aesthetic Surgery, Medical University of Vienna, Vienna, Austria and 4 Dermatology, Medical University of Vienna, Vienna, Austria

10:42 - 10:54  
[ABSTRACT 073]  
Risk of severe COVID-19 outcomes associated with immune-mediated inflammatory diseases and immune modifying therapies: a nationwide cohort study in the OpenSAFEly platform  
S Langan,1 C Smith2 and T Collaborative3  
London School of Hygiene and Tropical Medicine, London, United Kingdom, 2 King’s College, London, United Kingdom and 3 University of Oxford, Oxford, United Kingdom
Poster Walks 7 - 12

All delegates are invited to join poster walk sessions during ESDR 2022. Each presenter will be given 3-4 minutes plus a few minutes discussion to present their poster at the assigned electronic poster kiosk. The kiosks used for poster walks are equipped with microphones.

Location: Grote Zaal (Exhibition area)  Time: 11:00 - 12:00

11:00 -

PW 07: Immunity and Disease  327 335 337 343 346 347 349
Kiosk #1: Poster Walk Leader: Niccolo Brembilla

PW 08: Cutaneous Immunology  275 332 333 350 351 353 354
Kiosk #2: Poster Walk Leader: Curdin Conrad

PW 09: Clinical Research  076 079 080 081 082 083 094
Kiosk #3: Poster Walk Leader: Lone Skov

PW 10: Genetics  267 270 273 276 277 281 282
Kiosk #4: Poster Walk Leader: Carien Niessen

PW 11: Stem Cells & Skin Appendages 013 551 552 553 555 558 560
Kiosk #5: Poster Walk Leader: Jos Smits

PW 12: Skin Cancer  434 443 444 445 446 447 448
Kiosk #6: Poster Walk Leader: Thomas Tüting

- 12:00
Emma Guttman-Yassky, MD, PhD is the system chair of the department of dermatology, and the Waldman Professor of Dermatology and Immunology at the Icahn School of Medicine at Mount Sinai, New York. She is the Director of the Center of Excellence in Eczema and the Laboratory for Inflammatory Skin Diseases. She earned her M.D. from Sackler School of Medicine at the Tel-Aviv University, and a Ph.D. degree from the Bar-Ilan University, Israel. After her Israeli Board certification in dermatology in Israel, Dr. Guttman moved to the U.S. to pursue a two-year postdoctoral fellowship at The Rockefeller University in the Laboratory for Investigative Dermatology. Upon completion of her fellowship, she became board-certified by the American Board of dermatology after a second dermatology residency training at Weill-Cornell Medical College, in NY.

Dr. Guttman’s major research focus areas are atopic dermatitis (AD)/eczema and alopecia areata. Her research made paradigm-shifting discoveries on the immunologic basis of AD/eczema in adults and children with atopic dermatitis, enriching the understanding of the pathophysiology of this common disorder, opening the door for novel, pathway-specific drugs in this disease. Recently, Dr. Guttman extended her research interest to hair loss disorders such as alopecia areata and scarring hair loss disorders, chronic hand eczema, keloids, ichthyosis, and other skin diseases, in which her findings are also translated to novel therapeutics. Dr. Guttman co-founded the International Eczema Council (IEC) and is its immediate past president. Dr. Guttman received many national and international awards (e.g the AAAAI Award for Scientific Innovation and for pioneering discoveries, AAD Young Investigator award, etc). She was elected as a member to the American Society for Clinical Investigation/ASCI, and the American Dermatological Society/ADA. Dr. Guttman is often a keynote and plenary speaker in international and national meetings and authored over 275 peer-reviewed publications.
Basic research in keratinization disorders from a clinician perspective

Dr Angela Hernández-Martín studied Medicine in Salamanca University, Spain, and completed her specialization in Salamanca, spending different periods in the United States specifically dedicated to Pediatric Dermatology. She works as a Pediatric Dermatologist at Hospital Infantil Niño Jesús, Madrid, Spain, and is an expert in children skin diseases such as congenital ichthyosis, neuro-cutaneous disorders and other genodermatoses. Speaker in national and international congresses, she is currently Secretary of the Spanish Group of Pediatric Dermatology and member of the Editorial Board of Pediatric Dermatology Journal. Has co-authored more than 200 publications indexed in PubMed. Her research interest mostly focuses on congenital ichthyosis patients’ management, diagnosis and therapy.
Bristol Myers Squibb Symposium

Digging Deep into Psoriasis: Profiling Key Inflammatory Signaling, Comorbidities, and Emerging Biomarkers of Disease

Chair: Marco Romanelli (Italy)
Speakers:
James Krueger (USA)
Diamant Thaçi (Germany)

Location: Room 1  Time: 13:15 - 14:30

13:15 - 13:20  Welcome and introduction  Marco Romanelli (Italy)
13:20 - 13:40  Cytokine signaling pathways underpinning psoriasis pathophysiology  Diamant Thaçi (Germany)
13:40 - 14:00  More than Skin Deep: Comorbidities in Psoriasis  Marco Romanelli (Italy)
14:00 - 14:20  The State of Biomarker Discovery in Psoriasis  James Krueger (USA)
14:20 - 14:30  Q&A  Marco Romanelli (Italy)
Diamant Thaçi (Germany)
James Krueger (USA)
Pfizer Symposium

From Molecular Signatures to Clinical Biomarkers: Shifting Paradigms in Immuno-Inflammatory Dermatology

Chair:
Emma Guttman-Yassky
Martin Steinhoff

Objectives:

• Review the pathophysiology in complex immuno-inflammatory dermatological diseases such as atopic dermatitis and alopecia areata
• Explore how increased understanding of underlying molecular mechanisms has informed the development of new treatment targets
• Discuss the potential value of biomarkers in facilitating understanding of disease mechanisms, stratifying disease severity, and improving patient management

Location: Room 2      Time: 13:15 - 14:30

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<tr>
<td>13:15 - 13:20</td>
<td>Welcome and introduction</td>
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<td>Martin Steinhoff</td>
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<td>Martin Steinhoff</td>
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<tr>
<td>13:45 - 14:10</td>
<td>The Role of Biomarkers in Evaluating Disease Severity</td>
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<td>Emma Guttman-Yassky</td>
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<td>14:10 - 14:25</td>
<td>Panel Discussion / Q&amp;A</td>
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<td>Emma Guttman-Yassky and Martin Steinhoff</td>
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<tr>
<td>14:25 - 14:30</td>
<td>Closing Remarks</td>
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<tr>
<td></td>
<td>Emma Guttman-Yassky</td>
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</tbody>
</table>
Sanofi Symposium

Inside Atopic Dermatitis: Type 2 Inflammation Underlies Skin Barrier and Neuroimmune Dysfunction

Objectives:

- Educate on the latest understanding of the interrelated mechanisms that drive AD:
  1. Type 2 inflammation, both systemic and local
  2. Dysfunction of the skin barrier, including dysbiosis
  3. Neuroimmune dysregulation
- Share evidence demonstrating that type 2 inflammation is a key driver of dysfunction of both the skin barrier, including dysbiosis, and neuroimmune dysregulation – and driver of normalization of the same mechanisms
- Discuss the latest findings from clinical studies on how targeting type 2 inflammation can restore and normalize skin barrier function, including dysbiosis, and ex vivo studies demonstrating the role of type 2 inflammation in neuroimmune dysregulation

Chair: Laurent Misery (France)
Speakers:
Lisa A. Beck (USA)
Simon Danby (UK)

Location: Room 3
Time: 13:15 - 14:30

13:15 - 13:18 Welcome and Introduction
Laurent Misery (France)

13:18 - 13:38 Skin Barrier Dysregulation has Multifaceted Interactions with Type 2 Inflammation
Lisa A. Beck (USA)

Laurent Misery (France)

13:53 - 14:13 Clinical Evidence of Barrier Normalization by Targeting Type 2 Inflammation
Simon Danby (UK)

14:13 - 14:28 Panel Discussion
All faculty

14:28 - 14:30 Summary and Closing Remarks
Laurent Misery (France)
Global Health in Skin Science

From Molecular Signatures to Clinical Biomarkers: Shifting Paradigms in Immuno-Inflammatory Dermatology

Chairs:
Edel O’Toole (UK)
Tiago Matos (The Netherlands)

Location: Room 2
Time: 14:30 - 15:30

14:30 - 14:35  Introduction
Tiago Matos (The Netherlands)

14:35 - 14:45  The Global Health Initiative
Edel O’Toole (UK)

14:45 - 14:55  Sana Mhalla (Tunisia)

14:55 - 15:05  Riham Mohyeeldeen (Egypt)

15:05 - 15:15  Jacob Sons (South Africa)

15:15 - 15:30  Round table: Discussion and questions
Eli Sprecher (Israel), Edel O’Toole (UK), Tiago Matos (The Netherlands), Chris Griffiths (UK), Richard Weller (UK)
Angles

Angle 2: Big Data vs Registry Data: Which is best?

Angles is a new session in 2022 where two eminent experts present different aspects of a controversial topic of relevance to dermatologists and skin scientists in the context of an academic discussion.

Moderator: Sinéad Langan (London)

Location: Room 1  Time: 15.30-16.00 CET

Joel Gelfand  Tamar Nijsten

DEBATE QUESTION

The best method for testing the safety of psoriasis treatment in the real world setting is: ...

Access the question: www.slido.com using the code #Angles2
Chris Griffiths qualified in Medicine from St Thomas’ Hospital Medical School, London and trained in Dermatology at St Mary’s Hospital, London and the University of Michigan, USA. He was appointed to the Foundation Chair in Dermatology at the University of Manchester in 1994. Chris founded the Manchester Dermatopharmacology Unit and the Manchester Psoriasis Service in 1994. He has held several senior posts at the University of Manchester including Faculty Research Dean and Director of the Manchester Academic Health Science Centre. In 2015 he received the Sir Archibald Gray Medal, for outstanding service to British Dermatology, and in 2019 the British Society for Investigative Dermatology (BSID) Medal for contributions to research. In 2018 Chris was awarded Pro Meritis of the European Dermatology Forum (EDF) and was appointed OBE, for services to dermatology, in the Queen’s New Year Honours. He is an NIHR Emeritus Senior Investigator and a Fellow of the Academy of Medical Sciences.

Professor Griffiths is a past-President of the European Society for Dermatological Research (ESDR), British Association of Dermatologists (BAD), EDF, BSID and International Psoriasis Council. Chris has a career-long interest in all aspects of psoriasis and is credited with helping to develop the concept that psoriasis is an immune-mediated disease. He has made important contributions to the study of skin ageing including the efficacy of topical retinoids photoageing.

He runs international courses on art appreciation for clinicians and is active in global health initiatives which include: co-founding the Burma Skincare Initiative, directing the Global Psoriasis Atlas, establishing dermatology clinics in refugee camps and special advisor to the ILDS on global health research and policy.
Concurrent 4: Innate Immunity and Inflammation

Chairs: Paolo DiMeglio (London), Christoph Schlapbach (Bern)

Location: Room 1  Time: 16:30 - 18:00

16:30 - 16:40  [ABSTRACT 318]
The long non-coding RNA LINC00958 is overexpressed in psoriasis epidermis and induces keratinocyte proliferation
L Luo,1,2 L Pasquali,1,3 A Srivastava,1,4 A Pivarcsi1,3 and E Sonkoly1,3,11 Department of Medicine Solna, Karolinska Institutet, Stockholm, Sweden, 2Department of Medical Sciences, Uppsala University, Uppsala, Sweden, 3Center for Molecular Medicine (CMM), Karolinska University Hospital, Stockholm, Sweden, 4The Program in Epithelial Biology, Stanford University School of Medicine, California, USA, CA and 11Department of Medical Biochemistry and Microbiology (IMBIM), Uppsala University, Uppsala, Sweden

16:40 - 16:50  [ABSTRACT 324]
Skin Microbiota Activate the Aryl Hydrocarbon Receptor via Tryptophan Metabolism
AE Elias1, AJ McBain2 and CA O’Neill3 1Division of Musculoskeletal and Dermatological Sciences, University of Manchester, Manchester, United Kingdom and 2 Division of Pharmacy and Optometry, University of Manchester, Manchester, United Kingdom

16:50 - 17:00  [ABSTRACT 180]
The antimicrobial peptide derived from insulin-like growth factor-binding protein 5 promotes skin barrier function and relieves dermatitis-like symptoms in a mouse model of atopic dermatitis
HL Nguyen2,1, G Peng,2,1 J Jujillo-Paez,2 H Yue,2 K Okumura,2 H Ogawa,2 S Ikeda2 and F Niyonsaba2,3,1 Dermatology and Allergology, Juntendo Daigaku, Tokyo, Japan, 2 Atopy (Allergy) Research Center, Juntendo University, Tokyo, Japan, 3 MTA-DE Lendület Laboratory of Cellular Metabolism, University of Debrecen, Debrecen, Hungary and 1 Research Center for Molecular Medicine, University of Debrecen, Debrecen, Hungary

17:00 - 17:10  [ABSTRACT 546]
Epidermal growth factor receptor as a key regulator of the immune privilege
K Strobl, R Jin, L Artner, J Klufa, M Sibilia and T Bauer Center for Cancer Research, Medical University of Vienna, Vienna, Austria

17:10 - 17:20  [ABSTRACT 436]
Keratinocyte Regnase-1, a down-modulator of skin inflammation, contributes to protection from carcinogenesis through regulating COX-2
H Morisaka1, M Takaishi1, S Akira2,3 and S Sano1 1Dermatology, Kochi Medical School, Kochi University, Kochi, Japan, 2Laboratory of Host Defence, World Premier Institute Immunology Frontier Research Center, Osaka University, Suita, Japan and 3 Department of Host Defence, Research Institute for Microbial Diseases, Osaka University, Suita, Japan

17:20 - 17:30  [ABSTRACT 330]
Poly(ADP-ribose) polymerase (PARP)-2 promotes inflammation in psoriasis by regulating estradiol biosynthesis in keratinocytes
D Antal1, A Par2, K Hegyi1, I Kovacs3, A Szegedi2, P Bai4,5 and M Szanto1 1Department of Medical Chemistry, University of Debrecen, Debrecen, Hungary, 2 Department of Dermatology, University of Debrecen, Debrecen, Hungary, 3 Department of Pathology, University of Debrecen, Kenézy Gyula Campus, Debrecen, Hungary, 4 MTA-DE Lendület Laboratory of Cellular Metabolism, University of Debrecen, Debrecen, Hungary and 5 Research Center for Molecular Medicine, University of Debrecen, Debrecen, Hungary

17:30 - 17:40  [ABSTRACT 331]
Mitochondrial stress contributes to atopic dermatitis
DC Minzaghi1, P Pavel1, G Leman1, F Gruber1, S Oberreiter1, S Blunder1, R Gruber1 and S Dubravc1 1Department of dermatology, Medical University of Innsbruck, Austria, Innsbruck, Austria and 2 Dermatology, Medical University Vienna, Vienna, Austria

17:40 - 17:50  [ABSTRACT 319]
S. aureus can induce NLRP1 inflammasome activation in patients with atopic dermatitis
H Vaher1, K Kingo1, P Kolberg1, K Alasoo2, L Raam3, T Tenson1, U Mrowietz2, S Weidinger3, K Kingo2 and A Rebane3 1University of Tartu, Tartu, Estonia, 2 Tartu University Hospital, Tartu, Estonia and 3 Christian-Albrechts-University of Kiel, Kiel, Germany
Concurrent 5: Genetics and Cell Based Therapy

Chairs:
Alain Hovnanian (Paris)
Edel O’Toole (London)

Location: Room 2     Time: 16:30 - 18:00

16:30 - 16:40
[ASTRACT 261]
A novel skin phenotype resulting from heterozygous deletion of six keratin genes
J Mohamad,1,2 O Sarig,1 P Beattie,2 K Malovitski,1 S Assaf,1,2 EA O’Toole,3,4 J Schwartz,3 H Evans,3,
L Samuelov1,2 and E Sprecher1,2 Division of Dermatology, Tel Aviv Sourasky Medical Center, Tel
Aviv, Israel, 1 Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv, Israel, 2 Department of Der-
matology, Royal Hospital for Children, Glasgow, United Kingdom, 4 Pachyonychia Congenita Proj-
et, Holliday, UT, 3 Faculty of Medicine and Dentistry, Queen Mary University of London, London, United
Kingdom and 4 Department of Dermatology, The Royal London Hospital, London, United
Kingdom

16:40 - 16:50
[ASTRACT 181]
Sphingosine 1-phosphate lyase insufficiency induced ichthyosis is due to sphingolipid im-
balance, increased differentiation, and aberrant intercellular junctions
CJ Smith,1 JL Williams,1 C Hall,1 MP Caley,1 EA O’Toole,1 R Prasad1 and LA Metherell1 1 Department
for Endocrinology, Queen Mary University London, London, London, United Kingdom and 1 EBCR, QMUL,
London, United Kingdom

16:50 - 17:00
[ASTRACT 262]
The Role of Cholesterol in Rare Inflammatory Skin Disease
M Riachi,1 S Polubothu,1 A Sauvadet,1 J Ellis1 and V Kinsler1 1 Mosaicism and Precision Medicine
Laboratory, The Francis Crick Institute, London, United Kingdom and 1 Metabolomics, The Fran-
cis Crick Institute, London, United Kingdom

17:00 - 17:10
[ASTRACT 263]
EGFR signalling is overactive in Pachyonychia congenita: effective treatment with oral er-
lotinib
J Basset,1 L Marchal1 and A Hovnanian1,2,3 1 Laboratory of genetic skin diseases, INSERMImagine
Institute, Paris, France, 2 University of Paris, Paris, France and 3 Department of Genetics, Necker
Hospital for Sick Children Assistance Publique des Hôpitaux de Paris (APHP), Paris, France

17:10 - 17:20
[ASTRACT 264]
PKC412 prevents epithelial sheet damage in epidermolysis bullosa simplex via keratin and
cell contact stabilization
K Rietscher,1 H Jahnke,2 M Rübsam,3,4 C Has,3 M Ornary,4 C Niessen1,4 and TM Magin1 1 Institute
of Biology, Leipzig University, Leipzig, Germany, 2 Center for Biotechnology and Biomedicine,
Leipzig University, Leipzig, Germany, 3 Cologne Excellence Cluster on Cellular Stress Responses
in Aging-Associated Diseases (CECAD), University of Cologne, Cologne, Germany, 4 Department
Cell Biology of the Skin, University of Cologne, Cologne, Germany, 3 Department of Dermatology,
University of Freiburg, Freiburg, Germany and 2 Center for Advanced Biotechnology and Medi-
cine, and Robert Wood Johnson Medical School, Rutgers University, Piscataway, NJ
Concurrent 5: Genetics and Cell Based Therapy

Chairs:
Alain Hovnanian (Paris)
Edel O’Toole (London)

Location: Room 2  Time: 16:30 - 18:00

[ABSTRACT 268]
ABE8e adenine base editor corrects COL7A1 nonsense mutation efficiently and safely
A Sheriff,1 I Guri,1 P Zebrowska,1 V Llopis-Hernandez,1 I Brooks,1 G Newby,1 D Liu,1 L Laczmanski,2
JA McGrath1 and JJackow1 1 St John’s Institute of Dermatology, King’s College London, London,
United Kingdom, 2 Institute of Immunology and Experimental Therapy, Polish Academy of Sci-
ences, Wroclaw, Poland

[ABSTRACT 269]
Atopic polygenic risk score is associated with paradoxical eczema developing in psorai-
sis patients treated with biologics
A Al-Janabi1, S Eyre,4 AC Foulkes,1 AR Khan,2 N Dand,2 C Smith,3 C Griffiths,1 AP Morris4 and RB
Warren1 1 Centre for Dermatology Research, University of Manchester, Manchester, United King-
dom, 2 UCB Biopharma, Slough, United Kingdom, 3 Department of Medical and Molecular Ge-
netics, King’s College London, London, United Kingdom, 4 Centre for Genetics and Genomics
Versus Arthritis, University of Manchester, Manchester, United Kingdom and 5 St John’s Institute
of Dermatology, King’s College London, London, United Kingdom

[ABSTRACT 272]
An exome wide association study identifies new genetic determinants
for palmar plantar pustulosis
A Hernandez,2 L Thomas,2 P Baum,2 S Visvanathan,1 J Barker,1 M Loset,2 C Smith1,3 and F Capon1
1 King’s College London, London, United Kingdom, 2 Faculty of Medicine and Health Sciences,
Norwegian University of Science and Technology, Trondheim, Norway, 3 Boehringer Ingelheim
Pharma GmbH & Co., Biberach, Germany, 4 Boehringer Ingelheim Pharmaceuticals, Ridgefield,
CT and 5 St John’s Institute of Dermatology, London, United Kingdom
Concurrent 6: Clinical Research and Epidemiology

Chairs: Sara Brown (Edinburgh), Kaisa Tasanen (Oulu)

Location: Room 3  Time: 16:30 - 17:50

16:30 - 16:40

[ABSTRACT 078]
Association between oral corticosteroid prescribing patterns and appropriate fracture preventive care: UK and Ontario population-based cohort studies

J Matthewman, M Tadrous, K Mansfield, D Thruchelvam, D Redelmeier, A Cheung, I Lega, D Prieto-Alhambra, L Cunliffe, S Langan and A Drucker
London School of Hygiene & Tropical Medicine, London, United Kingdom, Women’s College Research Institute, Toronto, ON, Canada, University of Oxford, Oxford, United Kingdom and University of Toronto, Toronto, ON, Canada

16:40 - 16:50

[ABSTRACT 085]
Dupilumab treatment shifts the microbiome towards a healthy skin flora – a TREATgermany study

J Hartmann, N Sander, I Harder, L Moitinho-Silva, R Häslar, E Rodriguez, E Haufe, J Schmitt, T Werfel and S Weidinger
UKSH Kiel, Kiel, Germany, University Hospital and medical faculty Carl Gustav Carus, Dresden, Germany and Hannover Medical School, Hannover, Germany

16:50 - 17:00

[ABSTRACT 075]
Early life exposure to antibiotics and laxatives in relation to infantile atopic eczema

S El-Heis, SR Crozier, HM Inskip, NC Harvey, E Healy and KM Godfrey
MRC Lifecourse Epidemiology Centre, University of Southampton, Southampton, United Kingdom and Dermatopharmacology, University of Southampton, Southampton, United Kingdom

17:00 - 17:10

[ABSTRACT 086]
Terbinafine-resistant dermatophytosis: an emerging global health threat

G Blanchard, Y Chang, M Fratti, O Bontems, M Monod and E Guenova
Dermatology and Venereology, CHUV, Lausanne, Switzerland

17:10 - 17:20

[ABSTRACT 077]
The thirteen bacterial species inversely correlated with disease activities of atopic dermatitis in human showed a biotherapeutic potential based on their suppressive effects in mice

H Kawasaki, K Masuda, J Isayama, Y Aoto, S Obata, M Amagai, J Isayama, Y Aoto, K Tanase, E Kawakami and M Amagai
Dermatology, Keio University School of Medicine, Tokyo, Japan, JSR-Keio University Medical and Chemical Innovation Center, Tokyo, Japan and Advanced Data Science Project, RIKEN, Yokohama, Japan

17:20 - 17:30

[ABSTRACT 265]
Microdissection-based spatial transcriptomics unraveled orchestrated epidermal-dermal interactions in atopic dermatitis

T Miyai, H Kawasaki, M Hosokawa, H Matsunaga, A Fukushima-Nomura, A Sekita, M Amagai, H Takeyama and H Koseki

17:30 - 17:40

[ABSTRACT 087]
Personalised predictions of AD severity dynamics and treatment recommendations using a Bayesian machine learning approach

G Hurault and RJ Tanaka
Imperial College London, London, United Kingdom

17:40 - 17:50

[ABSTRACT 074]
Investigation of gene-environment interactions in atopic eczema using data from 200,000 European cohort participants

M Standl, A Budu-Aggrey, S Langan, L Paternoster and SJ Brown
Centre for Genomic and Experimental Medicine, University of Edinburgh, Edinburgh, United Kingdom, Institute of Epidemiology, Helmholtz Zentrum München, Munich, Germany, MRC Integrative Epidemiology Unit, University of Bristol, Bristol, United Kingdom and London School of Hygiene and Tropical Medicine, London, United Kingdom
Jean-Laurent Casanova
ESDR Keynote Lecture

The human genetic and immunological determinants of life-threatening COVID-19

Introduced by: Hervé Bachelez (Paris)

Location: Room 1  Time: 18:00-18:30

Prof Jean-Laurent Casanova studies how human genes determine the clinical manifestations and outcome of primary infections by viruses, bacteria, fungi, and parasites. He searches for single-gene mutations that selectively compromise the immunity of otherwise healthy children and adults who are exquisitely vulnerable to specific infectious diseases, including the novel coronavirus (SARS-CoV-2). He thus characterizes the molecular, cellular, and immunological mechanisms of life-threatening infectious diseases.

Prof Casanova is a faculty member in the David Rockefeller Graduate Program, the Tri-Institutional M.D.-Ph.D. Program, and the Tri-Institutional Ph.D. Program in Computational Biology & Medicine.

More in the article
30 SEPTEMBER 2022
FRIDAY

ESDR Networking Event

19:30-Midnight
2022 ESDR Social Networking Event

Places are limited and on-site purchase will not be possible.
Note that this is a standing event.
Limited seating will be available to those with mobility issues.

Transport has NOT been arranged to the venue. It is easily reached by public transport or on foot (approximately 30 minutes). Shuttle buses will return to the meeting venue from 22.00.

The Transformerhuis
Matthew Cobb is Professor of Zoology at the University of Manchester, where he studies the sense of smell. As well as researching on olfaction and pheromone detection in insects, he is also interested in the history of science, and has recently published The Idea of the Brain – The Past and Future of Neuroscience (2020) and Life’s Greatest Secret: The Race to Crack the Genetic Code (2015). His most recent book is Smell: A Very Short Introduction. He is an engaging speaker, and his talk will involve audience participation, featuring nose-on smelling.
New clinical insights of how AIRE, the master regulator of tolerance, affects autoimmunity and mucosal micro/mycobiome

Introduced by: Martin Röcken (Tübingen)

Location: Room 1  Location: 09:30 - 10:00

Biosketch

Professor of Dermatology and Venereology and Chairperson of the Department of Dermatology and allergology at the University of Helsinki, and Chief Physician, Department of Dermatology, Helsinki University Central Hospital, Center for Inflammation, Helsinki, Finland, since 1997.

Annamari Ranki’s research background is in human immunology and in HIV research (since 1983), mainly HIV immunology and vaccine development. During the past decades her group has studied the molecular pathogenesis of cutaneous T-cell lymphomas and some genetic autoinflammatory and autoimmune diseases such as the Tumor Necrosis Factor Receptor Associated Periodic Syndrome (TRAPS) and the autoimmune polyendocrinopathy syndrome APS1. Studies on skin and gut microbiome, with international collaborators, has been part of the APS1- and Netherton syndrome-related studies. Her latest work deals with gene correction methods in APS-1 patient-derived iPSC cells. Annamari Ranki has published over 280 original papers and is a member of the Finnish Academy of Science and Letters. She was an ESDR Board member in 1992-1998.
**Clinical Saturday**

**Chairs:**
Anna Balato (Italy)
Julien Seneschal (France)

**Location:** Room 1

**Time:** 10.00-11.30

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 10:00 - 10:05 | Welcome and introductions  
Anna Balato (Italy) and Julien Seneschal (France) |
| 10:05 - 10:25 | Immune biomarkers for stratified medicine in psoriasis  
Paola Di Meglio (UK) |
| 10:25 - 10:45 | Targeted therapy in patients with PIK3CA related overgrowth spectrum  
Guillaume Canaud (France) |
| 10:45 - 11:05 | Identifying new therapeutic targets for cutaneous T-cell lymphomas  
Martine Bagot (France) |
| 11:05 - 11:25 | From Bench to Boardroom: How resolving limitations in skin modelling  
created an innovation opportunity to accelerate dermatology R&D  
Rosalind Hannen (UK) |
| 11:25 - 11:30 | Conclusion |

Paola Di Meglio   Guillaume Canaud   Martine Bagot   Rosalind Hannen
Poster Walks 13 - 18

All delegates are invited to join poster walk sessions during ESDR 2022. Each presenter will be given 3-4 minutes plus a few minutes discussion to present their poster at the assigned electronic poster kiosk. The kiosks used for poster walks are equipped with microphones.

Location: Grote Zaal (Exhibition area)  
Time: 11:30 - 12:30

| 11:30 - | PW 13: Cutaneous Immunology 328 336 338 340 344 348 355  
| Kiosk #1: Poster Walk Leader: Bernhard Homey |  
| PW 14: Photobiology & Pigmentation 510 514 516 519 521 522 523  
| Kiosk #2: Poster Walk Leader: Lionel Larue |  
| PW 15: Skin Cancer 429 449 450 452 454 556 557  
| Kiosk #3: Poster Walk Leader: Felicite Noubissi-Kamdem |  
| PW 16: Clinical Research 088 090 091 092 093 095 339  
| Kiosk #4: Poster Walk Leader: Sarah El-Heis |  
| PW 17: Wound Healing & Tissue Remodelling 193 604 605 606 607 608 611  
| Kiosk #5: Poster Walk Leader: Tanya Shaw |  
| - 12:30 | PW 18: Epidermal Structure & Function 186 188 189 192 194 197 279  
| Kiosk #6: Poster Walk Leader: Edel O’Toole |
## Concurrent 7: Melanoma and Other Skin Cancers

**Chairs:**
Khiarash Khosrotehrani (Brisbane)
Remco Van Doorn (Leiden)

**Location:** Room 1  
**Time:** 12:30 - 13:30

<table>
<thead>
<tr>
<th>Time</th>
<th>Abstract</th>
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<tr>
<td>12:30 - 12:40</td>
<td>[ABSTRACT 425] GRPR is an effective target for melanoma</td>
</tr>
<tr>
<td></td>
<td>J Raymond, M Pouteaux, V Petit, Z Aktyar, L Larue and V Delmas Team Larue — INSERM U1021 — CNRS UMR3347, Institut Curie, Orsay, France</td>
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<td>J Bojko and G Walko Department of Life Sciences, University of Bath, Bath, United Kingdom</td>
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<td>12:50 - 13:00</td>
<td>[ABSTRACT 431] PVT1 is overexpressed in cutaneous squamous cell carcinoma and acts as an oncogenic long non-coding RNA</td>
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<td>C Li, C Sun, K Das Mahapatra, J Lapins, V Kahari, E Sonkoly and A Pivarcsi Karolinska Institutet, Stockholm, Sweden, Uppsala University, Uppsala, Sweden, Karolinska University Hospital, Stockholm, Sweden and Turku University Hospital and University of Turku, Turku, Finland</td>
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<td>13:00 - 13:10</td>
<td>[ABSTRACT 437] Single-cell RNA sequencing reveals specific T cell and fibroblast populations that can distinguish early mycosis fungoides from parapsoriasis and atopic dermatitis lesions</td>
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<td>N Alkon, M Drach, L Shaw, U Mann, J Valencak, J Griss, M Farlik, C Jonak and PM Brunner Dermatology, Icahn School of Medicine at Mount Sinai, New York, NY and Medical University of Vienna, Vienna, Austria</td>
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<td>13:10 - 13:20</td>
<td>[ABSTRACT 266] The exosome-associated miR-146a modulates cellular senescence and senescence-associated secretory phenotype (SASP) in Head and Neck SCC (HNSCC)</td>
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<td>BL Hill, A Calder, J Flemming, Y Guo, S Gilmore, A Linnenbach, A South, L Harshyne, A Lugninbuhl and MG Mahoney Thomas Jefferson University, Philadelphia, PA</td>
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<td>M Quadri, L Reggiani Bonetti, R Panini, T N Tiso, M Morasso, R Lotti, A Marconi, C Pincelli and E Palazzo ChiMoMo, University of Modena and Reggio Emilia, Modena, Italy, Pathology, UNIMORE, Modena, Italy, Biology, UNIPD, Padova, Italy and Lab. Skin Biology, NIH, Bethesda, MD</td>
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Concurrent 7: Melanoma and Other Skin Cancers

Chairs:
Khiarash Khosrotehrani (Brisbane)
Remco Van Doorn (Leiden)

Location: Room 1  Time: 13:30 - 14:00

13:30 - 13:40

[ABSTRACT 427]
Inhibiting insulin-like growth factor 2 mRNA-binding protein 1 (IGF2BP1) reduces tumor development in the basal cell carcinoma mouse model PTCH+/-
C Harris,1 M Hajahmed,1 O Odubanjo,1 C Yedjou,2 J Chamcheu,1 T Roy,1 S Boetang,2 R Chamcheu2 and F Noubissi1 1 Biology, Jackson State University, Jackson, MS, 2 University of Louisiana at Monroe, Monroe, LA, 1 Pennsylvania State University, Hershey Medical Center, Hershey, PA, Hershey, PA and 4 Department of Biology, Florida A&M University, Tallahassee, FL

13:40 - 13:50

[ABSTRACT 432]
Integrated multi-omics reveals cellular and molecular interactions governing the invasive niche of basal cell carcinoma
L Yerly1, C Pich Bavastro,1 J Di Domizio,1 T Wyss,2 S Tissot,3 M Cangkrama,4 M Gilliet,1 S Werner4 and F Kuonen1 1 Department of Dermatology and Venereology, Lausanne University Hospital Center, Lausanne, Switzerland, 2 Swiss Institute of Bioinformatics, Lausanne, Switzerland, 3 Department of Oncology, Lausanne University Hospital Center, Lausanne, Switzerland and 4 Department of Biology, Institute of Molecular Health Sciences, ETH Zurich, Zürich, Switzerland

13:50 - 14:00

[ABSTRACT 428]
A multi-scale spatial atlas of human skin across anatomical sites and cutaneous malignancy reveals novel cell states and repurposing of fibroblast subpopulations in skin cancer stroma
C Ganier,1 X Du-Harpur,1 GE Herrera,2 J Gabriel,1 N Harun,1 F Watt1 and M Lynch1 1 Centre for Gene Therapy and Regenerative Medicine, King’s College London, London, London, United Kingdom and 2 Centre for Developmental Neurobiology, King’s College London, London, United Kingdom
Concurrent 8: Late Breaking Abstracts

Chairs:
Nikolas Haas (Brisbane)
Eli Sprecher (Tel Aviv)

Location: Room 2  Time: 12:30 - 14:00

12:30 - 12:40  [LB039]
Palmoplantar keratoderma as a clinical feature of pathogenic variants in the filaggrin gene
Julia Clabbers 1, Marieke Bolling 2, Charlotte Burms 1, Maaieke Vreeburg 1, Henny Lemmink 1, Peter van den Akker 1, Peter Steijlen 1, Michel van Geel 1, Antoni Gostyński 1 1Department of Dermatology, Maastricht University Medical Centre+, Maastricht, The Netherlands, 2Department of Dermatology, University Medical Centre Groningen, Groningen, The Netherlands, 3Department of Clinical Genetics, Maastricht University Medical Centre+, Maastricht, The Netherlands, 4Department of Genetics, University Medical Centre Groningen, Groningen, The Netherlands

12:40 - 12:50  [LB025]
Neurotrophin Signaling in Epithelial to Mesenchymal Transition as a Potential Target in Melanoma Therapy
Laura Bertoni 1, Marika Quadril 1, Paola Sena 1, Giulia Orlandi 1, Elisabetta Palazzolo 1, Roberta Lotti 1, Francesca Farnetani 1, Alessandra Marconi 2 1Morphological Sciences Sections, Dept of Surgical, Medical, Dental and Morphological Sciences, UNIMORE, Modena, Italy, 2Dermatology Unit, Dept of Surgical, Medical, Dental and Morphological Sciences, University of Modena and Reggio Emilia, Modena, Italy

12:50 - 13:00  [LB017]
Uncoupling Desmosomal Cadherin Adhesion Activates Stem Cells in the Quiescent Hair Follicle
William V.J. Hariton 1,2,3, Katja Schulze 1,2,4, Roman Schwob 1,2,4, Andrew M. Overmiller 1, My G. Mahoney 1, Luca Borradori 1,2,3, Beyza S. Sayar 1,2,3, Arnaud Galichet 1,2,3, Eliane J. Müller 1,2,3,4 1Department of Dermatology, Inselspital, Bern University Hospital, University of Bern, Bern, Switzerland, 2Department for BioMedical Research, Molecular Dermatology and Stem Cell Research, University of Bern, Bern, Switzerland, 3DerFocus, Vetsuisse Faculty, University of Bern, Bern, Switzerland, 4Institute of Animal Pathology, Vetsuisse Faculty, University of Bern, Bern, Switzerland, 5Genetech Inc., Roche, San Francisco, CY, USA, 6Department of Dermatology and Cutaneous Biology, Thomas Jefferson University, Philadelphia, Pennsylvania, USA

13:00 - 13:10  [LB003]
CK1α Inhibition in Keratinocytes of Mc1r Defective Mice Prevents Ultraviolet-induced Skin Damage
Chung-Hsing Chang 1,2, Wei-Ping Huang 1,2, Ho-Jen Chen 1, Chien-Hung Chen 1 1Doctoral Degree Program in Translational Medicine, Tzu Chi University and Academia Sinica, Hualien, Taiwan 2Institute of Medical Sciences, Tzu Chi University, Hualien, Taiwan

13:10 - 13:20  [LB009]
IL-4/IL-13 inhibitors for atopic dermatitis induce psoriatic rash transcriptionally close to pustular psoriasis
Chloé Golleau 1,2, Andreea Calugareanu 1,2, Sarah Demouche 1,2, Audrey Nosbaum 1, Delphine Staumont-Salle 1, Hélène Aubert 1, Antonio Alberdi 1, Alexandre How-Kit 1, Jean-David Bouaziz 1, Hélène Le-Buanec 1 1Dermatology department, Hôpital Saint Louis, Assistance Publique-Hôpitaux de Paris (AP-HP), Paris 2Université de Paris, INSERM U976 – HIP1 Unit, Institut de Recherche Saint-Louis, Paris, France 3Dermatology department, CHU Lyon Centre, Hospices civils de Lyon (HCL), France 4Dermatology department, CHU Lille, U1286 Inserm INFINEVE, Univ. Lille, Lille, France 5Dermatology department, Nantes University Hospital, Nantes, France 6Plateforme Technologique IRSL, UFR Médicine, Université de Paris, Hôpital Saint-Louis, Paris, France

*Laboratory of Genomics, Foundation Jean Dausset-CEPH, Paris, France
Concurrent 8: Late Breaking Abstracts

Chairs: Nikolas Haas (Brisbane), Eli Sprecher (Tel Aviv)
Concurrent talks are 8 minutes plus 2 minutes discussion

Location: Room 2  Time: 12:30 - 14:00

13:20 - 13:30  [LB032]
Driver gene combinations dictate cutaneous squamous cell carcinoma disease continuum progression
Peter Bailey1, Rachel Ridgway2, Christina Schoenherr2, Mairi Treanor-Taylor2, Alexander J. Strati-gos3, Charlotte M. Proby4, Catherine A. Harwood4, Owen J. Sansom4, Irene M. Leigh4 and Gareth J. Inman2 1Institute of Cancer Sciences, University of Glasgow, United Kingdom 2Cancer Research UK Beatson Institute, Glasgow, United Kingdom 31st Department of Dermatology – Venereology, Andreas Sygros Hospital, National and Kapodistrian University of Athens, School of Medicine, Greece 4Jacqui Wood Cancer Centre, University of Dundee, United Kingdom 5Centre for Cell Biology and Cutaneous Research, Blizzard Institute, Barts and The London School of Medicine and Dentistry, Queen Mary University of London, United Kingdom

13:30 - 13:40  [LB042]
Targeting Melanoma Plasticity to Improve both Targeted and Immune Therapy
Satoru Sugihara1, Jacinta Simmons2, Yimeng Guan1, Gency Gunasingh1, Jordan Kumar1, Rituparna Bhatt1, Riccardo Dolcetti1, Glen Boyle1, Loredana Spoerri1, Nikolas K. Haass1 1The University of Queensland Diamantina Institute, The University of Queensland, Brisbane, QLD, Australia 2QIMR Berghofer Medical Research Institute, Brisbane, QLD, Australia

13:40 - 13:50  [LB033]
Clinical trial using dermal open flow microperfusion (dOFM) elucidates mechanisms of dupilumab (Dupixent) on downstream signal pathways and indicates differences in local and systemic effects
Barbara Ehall1, Anita Eberl1, Manfred Bodenlenz2, Katrin Tiffner2, Thomas Birngruber2, Eva Svehlikova1, Thomas Pieber1 1Division for Endocrinology and Diabetology, Department for Internal Medicine, Medical University of Graz, Graz, Austria; 2HEALTH- Institute of Biomedicine and Health Science, Joanneum Research, Graz, Austria

13:50 - 14:00
Tyrosine-derivated-peptide increases hair follicles melanogenesis via a MITF, CREB, and TYRP1 dependent pathway
Philippe Mondon, Caroline Ringenbach, Thomas Ondet, Olivier Peschard, Emmanuel Doridot, Richard Leroux SEDERMA, Le Perray-en-Yvelines, France
Concurrent 9: Photobiology and Pigmentation

Chairs:
Matthew Caley (London)
Muriel Cario-André (Bordeaux)

Location: Room 3  Time: 12:30 - 13:50

12:30 - 12:40  [ABSTRACT 547]
CDK9 Kinase Activation in Association with AFF1-SEC Initiate Epidermal Progenitor differentiation
S Lloyd and X Bao Northwestern University, Evanston, IL

12:40 - 12:50  [ABSTRACT 549]
Temporary cell cycle arrest in human scalp hair follicles and their epithelial stem cells by ALRN-6924: A novel strategy to selectively protect p53-wildtype cells against paclitaxel-induced alopecia
J Gherardini, AD Annis, J Chéret, M Aivado and R Paus Dr. Phillip Frost Department of Dermatology and Cutaneous Surgery, University of Miami Miller School of Medicine, Miami, FL and Aileron Therapeutics, Boston, MA

12:50 - 13:00  [ABSTRACT 550]
apPKC regulates the spindle orientation machinery to promote planar cell divisions
S Perot, J Nafisi, F Telkamp, M Mapelli and C Niessen Department Cell Biology of the Skin & CECAD, CMMC, University Hospital of Cologne, University of Cologne, Köln, Germany and IEO, European Institute of Oncology IRCCS, Milan, Italy

13:00 - 13:10  [ABSTRACT 182]
ΔNp63-mediated repression of the IncRNA NEAT1 modulates epidermal differentiation
A Peschiaroli, C Fierro, V Gatti, V La Banca, A Mauriello, M Montanaro, M Fanciulli, S Scalera, G Melino and G Calin Department of Biomedicine, Institute of Translational Pharmacology IFT-CNR, Rome, Italy, Department of Experimental Medicine, University of Rome “Tor Vergata”, Rome, Italy, Department of Research, IRCCS Regina Elena National Cancer Institute, Rome, Italy and Department of Translational Molecular Pathology, The University of Texas MD Anderson Cancer Center, Houston, TX

13:10 - 13:20  [ABSTRACT 511]
Three-dimensional culture of human sensory neurons derived from iPS cells in a pigmented and endothelialized tissue-engineered reconstructed skin enriched with Schwann cells
S Heraud, F Lejeune, C Muther, S Forestier, A Thépot, G Gendronneau and M Dos Santos LABSKIN CREATIONS, Lyon, France and CHANEL P&B, PANTIN, France
Nutrient and stress sensing as novel physiological regulator of human hair pigmentation and greying: Role of mTORC1 activity

T Suzuki,1 J Chéret,1 FD Scala,1 J Gherardini,1 J O’Sullivan,1 G Epstein-Kuka,2 AJ Bauman,3 C Deme-triades,1 and R Paus1,3,4,5 1 Dr. Phillip Frost Department of Dermatology and Cutaneous Surgery, University of Miami Miller School of Medicine, Miami, FL, 2 Foundation for Hair Restoration, Miami, FL, 3 Bauman Medical Group, Boca Raton, FL, 4 Max Planck Institute for Biology of Ageing (MPI-AGE), Cologne, Germany, 5 Monasterium Laboratory, Münster, Germany and 6 CUTANEON, Hamburg, Germany

Varicella-zoster virus in actively spreading segmental vitiligo skin

M Cario,1,2,3 Y Gauthier,4 S Lepreux,5 J Rambert,2 A Dakdaki,6 M Lafon,3,6 R Abouqal9,10 and L Ben-zeke11,12 1 University Bordeaux Inserm U1312, Bordeaux, France, 2 Aquiderm, Bordeaux, France, 3 National reference for rare skin diseases, Bordeaux, France, 4 Vitiligo and Melasma Research association, Bordeaux, France, 5 Pathology Department, Hopital Robert Boulin CHR Libourne, Libourne, France, 6 Tumor Bank and Tumor Biology Laboratory, CHU Bordeaux, Bordeaux, France, 7 Department of Virology Bordeaux University Hospital, Bordeaux, France, 8 Bordeaux University, CNRS UMR5234, Bordeaux, France, 9 Laboratory of Biostatistics, Clinical Research and Epidemiology, Mohammed V University in Rabat, Rabat, Morocco, 10 Acute Medical Unit, Ibn Sina Teaching Hospital, Rabat, Morocco, 11 Mohammed V University, Rabat, Morocco and 12 Dermatology Department, Ibn Sina Teaching Hospital, Pigmentary Disorders outpatient clinic, Rabat, Morocco

Ultraviolet radiation exposure differentially regulates skin metabolites in dependence of the microbiome

V Patra,1,2 Y Clement,3 N Bordag,3 H K efeler,4 J Nicolas,3 M Vocanson,1 S Ayciriex2 and P Wolf2,6 1 Centre International de Recherche en Infectiologie, Lyon, France, 2 Department of Dermatology and Venereology, Medical University of Graz, Graz, Austria, 3 Institute of Analytical Sciences, UMR 5280 CNRS, University Claude Bernard Lyon 1, Villeurbanne, France, 4 Core Facility for Mass Spectrometry, Medical University of Graz, Graz, Austria, 5 Allergy and Clinical Immunology Department, Lyon Sud University Hospital, Lyon, France and 6 BioTechMed Graz, Graz, Austria
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Meeting Dates: May 10 (Wed.) – 13 (Sat.), 2023

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