Acknowledgement

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Welcome to ESDR 2017

Welcome from the ESDR president

On behalf of the European Society for Dermatological Research (ESDR) – Welcome to Salzburg!

Our 2017 meeting is designed to disseminate the latest information about cutting edge research and new approaches to scientific discovery. The ESDR strives to be particularly attractive to trainees of all levels and to early career skin scientists; for example, by providing ample room for interaction during poster sessions and during the Future Leaders Symposium. Recognizing the importance of translational biomedical research, we bring together academia and biopharma, and include dedicated sessions discussing aspects of drug discovery. New to the program is an exciting session about innovation and entrepreneurship in skin science and the possibility for researchers among themselves and with biopharma to schedule ‘speed dates’ to explore collaborations. The goal of the ESDR is to enable the future of skin science through scientific exchange and education. For the current year, the ESDR has defined five major areas of further development:

1. To link basic with translational research
2. To support early career scientists
3. To provide an educational platform
4. To create an innovation hub between academia and biopharma
5. To provide leadership mentoring
6. To transform the ESDR into an integral organization with shared leadership

Please provide us with feedback on these areas and enjoy this year’s meeting in the middle of beautiful Salzburg.

Matthias Schmuth
President, ESDR

Welcome from the Local Organizing Committee Chair

Dear colleagues and friends, welcome to the 47th Annual Meeting of the ESDR in Salzburg. Judging from the ongoing registration and abstract handling procedure we expect to have 700+ abstracts and 1000+ participants from 5 continents. Thus there is ample room for scientific exchange with colleagues from other parts of the world. This interaction is also facilitated by the social events that culminate in the Gala evening on Friday, September 29th in the “Stieglkeller”. Although being called a “Keller”=basement it is nicely located above the roofs of Salzburg’s old town. It is home of the famous “Stieglbier” that is produced by Austria’s largest private brewery. This evening will be garnished by fabulous local food, music and dancing. So together with an outstanding scientific programme the scene is set for a successful meeting in the heart of Europe. Come and enjoy the “Sounds of Dermatology”

Johann Bauer
ESDR 2017
Local Organizing Committee Chair
## Complete Daily Program Overview

### Wednesday 27 September 2017

<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSION</th>
<th>LOCATION</th>
<th>INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00–18.45</td>
<td>European Epidermal Barrier Research Network (E2BRN)</td>
<td>Mozart Hall 4+5, Ground floor</td>
<td>p 18</td>
</tr>
<tr>
<td>13.00–18.00</td>
<td>Future Leaders Symposium</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 20</td>
</tr>
<tr>
<td>14.00–18.00</td>
<td>Dermatoendocrinology</td>
<td>Wolf-Dietrich Hall, 1st floor</td>
<td>p 22</td>
</tr>
<tr>
<td>18.00–19.00</td>
<td>Satellite Meetings Welcome Reception</td>
<td>Foyer, Ground Floor</td>
<td>p 12</td>
</tr>
</tbody>
</table>

### Thursday 28 September 2017

<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSION</th>
<th>LOCATION</th>
<th>INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30–10.30</td>
<td>Drug Discovery and Translational Medicine</td>
<td>Europa Hall, 2nd floor</td>
<td>p 26</td>
</tr>
<tr>
<td>08.30–10.30</td>
<td>Eastern European Research</td>
<td>Mozart Hall 4+5, Ground floor</td>
<td>p 27</td>
</tr>
<tr>
<td>08.30–10.30</td>
<td>International Eczema Council</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 28</td>
</tr>
<tr>
<td>08.30–10.30</td>
<td>EDEN</td>
<td>Wolf-Dietrich Hall, 1st floor</td>
<td>p 29</td>
</tr>
<tr>
<td>08.30–10.30</td>
<td>Neurobiology of the Skin</td>
<td>Papageno Hall, Ground Floor</td>
<td>p 30</td>
</tr>
<tr>
<td>10.30–11.00</td>
<td>Coffee Break</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.00–12.45</td>
<td>Opening Ceremony</td>
<td>Europa Hall, 2nd floor</td>
<td>p 31</td>
</tr>
<tr>
<td>12.45–14.15</td>
<td>The LEO Pharma Research Foundation Awards 2017 in association with the ESDR</td>
<td>Europa Hall, 2nd floor</td>
<td>p 32</td>
</tr>
<tr>
<td>13.15–14.15</td>
<td>The Evolving Treatment Landscape for Atopic Dermatitis Sanofi Genzyme Symposium</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 33</td>
</tr>
<tr>
<td>14.20–15.45</td>
<td>Concurrent Session 1: Inflammation, Immunity &amp; Infection 1</td>
<td>Europa Hall, 2nd floor</td>
<td>p 34</td>
</tr>
<tr>
<td>14.20–15.45</td>
<td>Concurrent Session 2: Epidermal Structure &amp; Function</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 35</td>
</tr>
<tr>
<td>14.20–15.45</td>
<td>Concurrent Session 3: Photobiology &amp; Pigmentation</td>
<td>Mozart Hall 4+5, Ground floor</td>
<td>p 36</td>
</tr>
<tr>
<td>15.50–16.20</td>
<td>Rudi Cormane Lecture: Masayuki Amagai (Japan)</td>
<td>Europa Hall, 2nd floor</td>
<td>p 37</td>
</tr>
<tr>
<td>16.20–17.40</td>
<td>General Poster Viewing Session and Coffee Break</td>
<td>Printed poster Area</td>
<td></td>
</tr>
<tr>
<td>17.45–17.55</td>
<td>JSID and SID Intersociety Collegiality Awards</td>
<td>Europa Hall, 2nd floor</td>
<td></td>
</tr>
<tr>
<td>18.00–18.30</td>
<td>Special Guest Lecture: Clemens Sedmak (Austria)</td>
<td>Europa Hall, 2nd floor</td>
<td>p 37</td>
</tr>
<tr>
<td>18.30–18.45</td>
<td>ESDR Honorary Membership Awards</td>
<td>Europa Hall, 2nd floor</td>
<td></td>
</tr>
<tr>
<td>18.45–21.00</td>
<td>Welcome Reception</td>
<td>Foyer, 1st floor</td>
<td>p 12</td>
</tr>
</tbody>
</table>
### Friday 29 September 2017

<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSION</th>
<th>LOCATION</th>
<th>INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30–09.30</td>
<td>Immunoglobulin Therapy in Severe Autoimmune Skin Diseases</td>
<td>Mozart Hall 4+5, Ground floor</td>
<td>p 40</td>
</tr>
<tr>
<td>08.30–09.30</td>
<td>IL-31: A Novel Key Pro-Inflammatory Cytokine</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 41</td>
</tr>
<tr>
<td>08.30–09.30</td>
<td>PPAR gamma Modulation in the Management of Pilosebaceous Unit Disorders</td>
<td>Wolf-Dietrich Hall, 1st floor</td>
<td>p 42</td>
</tr>
<tr>
<td>09.35–10.05</td>
<td>Cegene ESDR Guest Lecture: Federica Sallusto (Switzerland)</td>
<td>Europa Hall, 2nd floor</td>
<td>p 43</td>
</tr>
<tr>
<td>10.05–11.30</td>
<td>Frontiers in Skin Biology &amp; Dermatology 2 &amp; Plenary Session 2</td>
<td>Europa Hall, 2nd floor</td>
<td>p 44</td>
</tr>
<tr>
<td>11.30–12.25</td>
<td>Poster Viewing (ODD NUMBERS) and Poster Walks (01-10), Speed Dating for pre-registered delegates, Coffee Break</td>
<td>Printed &amp; Electronic Poster Areas</td>
<td>p 45</td>
</tr>
<tr>
<td>12.30–14.00</td>
<td>MHC-I-opathies: Understanding Common Immunological Pathways</td>
<td>Europa Hall, 2nd floor</td>
<td>p 46</td>
</tr>
<tr>
<td>12.30–14.00</td>
<td>Well Ageing and Skin</td>
<td>Mozart Hall 4+5, Ground floor</td>
<td>p 47</td>
</tr>
<tr>
<td>12.30–14.00</td>
<td>Linking Pathophysiology to Clinical Options in Psoriasis: New Insights into IL-23</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 47</td>
</tr>
<tr>
<td>14.05–14.35</td>
<td>ESDR Guest Lecture: Matthias Mann (Germany)</td>
<td>Europa Hall, 2nd floor</td>
<td>p 48</td>
</tr>
<tr>
<td>14.35–15.30</td>
<td>Poster Viewing (EVEN NUMBERS) and Poster Walks (11-20), Speed Dating for pre-registered delegates, Coffee Break</td>
<td>Printed &amp; Electronic Poster Areas</td>
<td>p 48</td>
</tr>
<tr>
<td>15.35–16.05</td>
<td>René Touraine Guest Lecture: G. Paolo Dotto (Switzerland)</td>
<td>Europa Hall, 2nd floor</td>
<td>p 48</td>
</tr>
<tr>
<td>16.10–17.35</td>
<td>Concurrent Session 4: Genetics &amp; Cell Based Therapy</td>
<td>Europa Hall, 2nd floor</td>
<td>p 49</td>
</tr>
<tr>
<td>16.10–17.35</td>
<td>Concurrent Session 5: Melanoma &amp; Other Skin Cancers</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 51</td>
</tr>
<tr>
<td>16.10–17.35</td>
<td>Concurrent Session 6: Hair &amp; Other Adnexal Structures</td>
<td>Mozart Hall 4+5, Ground floor</td>
<td>p 52</td>
</tr>
<tr>
<td>17.40–18.30</td>
<td>ESDR Annual General Meeting of Members</td>
<td>Europa Hall, 2nd floor</td>
<td>p 52</td>
</tr>
<tr>
<td>19.30–24.00</td>
<td>Social Networking Event</td>
<td>Der Stieglkeller, Salzburg</td>
<td>p 12</td>
</tr>
</tbody>
</table>

### Saturday 30 September 2017

<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSION</th>
<th>LOCATION</th>
<th>INFO</th>
</tr>
</thead>
<tbody>
<tr>
<td>09.00–10.30</td>
<td>Concurrent Session 7: Inflammation, Immunity &amp; Infection 2</td>
<td>Europa Hall, 2nd floor</td>
<td>p 54</td>
</tr>
<tr>
<td>09.00–10.30</td>
<td>Concurrent Session 8: Clinical Outcomes</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 55</td>
</tr>
<tr>
<td>09.00–10.30</td>
<td>Concurrent Session 9: Wound Healing &amp; Tissue Remodelling</td>
<td>Mozart Hall 4+5, Ground floor</td>
<td>p 56</td>
</tr>
<tr>
<td>10.30–11.30</td>
<td>General Poster Viewing Session (all authors) and Poster Walks (21-30), Coffee Break</td>
<td>Printed &amp; Electronic Poster Areas</td>
<td>p 59</td>
</tr>
<tr>
<td>11.35–12.05</td>
<td>EADV Guest Lecture: Michael Hertl (Germany)</td>
<td>Europa Hall, 2nd floor</td>
<td>p 57</td>
</tr>
<tr>
<td>12.10–13.40</td>
<td>EADV/ESDR Clinical Saturday Lectures</td>
<td>Europa Hall, 2nd floor</td>
<td>p 58</td>
</tr>
<tr>
<td>12.15–13.15</td>
<td>Epidermal Homeostasis and Rare Disease</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 59</td>
</tr>
<tr>
<td>13.30–14.00</td>
<td>ESDR Poster Prizes and Closing Ceremony</td>
<td>Europa Hall, 2nd floor</td>
<td>p 60</td>
</tr>
<tr>
<td>14.00–17.00</td>
<td>Skin Epigenetics</td>
<td>Mozart Hall 1+2+3, Ground floor</td>
<td>p 60</td>
</tr>
<tr>
<td>14.00–17.00</td>
<td>Innovation and Entrepreneurship in Skin Science</td>
<td>Mozart Hall 4+5, Ground floor</td>
<td>p 61</td>
</tr>
</tbody>
</table>

### Notes

- [Saturday 30 September 2017](#)
Satellite Meetings Reception
Date: Wednesday 27 September 2017, 18.00–19.00
Location: Salzburg Congress Centre
ESDR invites all delegates to a short reception at the meeting venue following the afternoon satellite symposia.

Welcome Reception and Poster Viewing
Date: Thursday 28 September 2017, 18.45–21.00
Location: Foyer, Salzburg Congress Centre
This event is open to all registered ESDR 2017 delegates.
Our 2017 welcome reception will take place at the meeting venue around the Poster Area. This is a great opportunity to meet your colleagues and peers while discussing science. Light refreshments will be served.

Social Networking Event
Date: Friday 29 September 2017, 19.30–24.00
Location: Der Stieglkeller, Salzburg
The 2017 ESDR Social Networking Event will be held at the Stieglkeller, a traditional Austrian venue with a stunning view over Salzburg. The Social Event is a relaxed, informal gathering. Information on travelling to the venue will be given with your entry ticket. We hope to see you all there. Tickets: Can be purchased when you register for the meeting or onsite at the meeting venue.

THE EVOLVING TREATMENT LANDSCAPE FOR ATOPIC DERMATITIS

Thursday, September 28, 2017 | 13:15–14:15 in Mozart Hall 1-3, Salzburg, Austria

Please join a company-sponsored symposium hosted by Sanofi Genzyme and Regeneron Pharmaceuticals

SPEAKER PANEL
Georg Stingl, MD
Medical University of Vienna, Austria
Marjolein de Bruin-Weller, MD, PhD
University Medical Centre Utrecht, Netherlands
Tilo Biedermann, MD
Technische Universität München, Germany

Speakers will receive compensation for their participation in this event.
### PROGRAM AT GLANCE

#### Wednesday, 27 September 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Mozart Hall 1-3</th>
<th>Mozart Hall 4-5</th>
<th>Wolf-Dietrich Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.00-13.00</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>13.00-18.00</td>
<td>Future Leaders Symposium</td>
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<td>14.00-18.00</td>
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</tr>
</tbody>
</table>

#### Thursday, 28 September 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Europa Hall</th>
<th>Mozart Hall 1-3</th>
<th>Mozart Hall 4-5</th>
<th>Wolf-Dietrich Hall</th>
<th>Papageno Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30-10.30</td>
<td>Drug Discovery and Translational Medicine</td>
<td>International Eczema Council Symposium: The Role of Environmental Factors in AD</td>
<td>EDEN</td>
<td>Neurobiology of the Skin</td>
<td></td>
</tr>
<tr>
<td>10.30-11.00</td>
<td>Coffee Break</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>11.00-12.10</td>
<td>Opening Ceremony</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.15-12.45</td>
<td>Plenary 1: Frontiers in Skin Biology</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.45-14.15</td>
<td>The LEO Pharma Research Foundation Awards 2017</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.15-14.15</td>
<td>Sanofi Genzyme Symposium: The Evolving Treatment Landscape for Atopic Dermatitis</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>15.50-16.20</td>
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<tr>
<td>16.20-17.40</td>
<td>General Poster Viewing Session</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>17.45-18.30</td>
<td>JSID and SID Intersociety Collegality Awards</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.00-18.30</td>
<td>Special Guest Lecture</td>
<td>Clemens Stuschka (Australia)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.30 -18.45</td>
<td>ESDR Huygensary Membership Awards</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.45 - 21.00</td>
<td>Welcome Reception</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

#### Friday, 29 September 2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Europa Hall</th>
<th>Mozart Hall 1-3</th>
<th>Mozart Hall 4-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.30-09.30</td>
<td>Galderma Symposium IL-31: A Novel Key Pro-Inflammatory Cytokine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09.35-10.05</td>
<td>Clogene ESDR Guest Lecture</td>
<td>Federica Salustio (Switzerland)</td>
<td></td>
</tr>
<tr>
<td>10.05-11.30</td>
<td>Plenary 2: Frontiers in Skin Biology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11.30-12.25</td>
<td>Poster Viewing Poster Walks (odd numbers) &amp; (01-10)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.30-14.00</td>
<td>Janssen Symposium: Linking Pathophysiology to Clinical Options in Psoriasis: New Insights into IL-23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.05-14.35</td>
<td>ESDR Guest Lecture</td>
<td>Matthias Mann (Germany)</td>
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</tr>
<tr>
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<td>Poster Viewing Poster Walks (even numbers) &amp; (11-20)</td>
<td></td>
<td></td>
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<td>15.35-16.05</td>
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<td>G. Paolo Dotto (Switzerland)</td>
<td></td>
</tr>
<tr>
<td>16.10-17.35</td>
<td>Concurrent Session 5: Genetics &amp; Cell Based Therapy</td>
<td>Concurrent Session 5: Melanoma &amp; Other Skin Cancers</td>
<td>Concurrent Session 6: Hair &amp; Other Anexial Structures</td>
</tr>
<tr>
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<td>ESDR Annual General Meeting of Members</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
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<th>Europa Hall</th>
<th>Mozart Hall 1-3</th>
<th>Mozart Hall 4-5</th>
</tr>
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<tbody>
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<td>09.00-10.30</td>
<td>Concurrent Session 7: Inflammation, Immunity &amp; Infection 2</td>
<td>Concurrent Session 8: Clinical Outcomes</td>
<td>Concurrent Session 9: Wound Healing &amp; Tissue Remodelling</td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td>11.35-12.05</td>
<td>EADV Guest Lecture</td>
<td>Michael Herl (Germany)</td>
<td></td>
</tr>
<tr>
<td>12.10-13.40</td>
<td>EADV/ESDR Clinical Saturday Lectures</td>
<td>12.15-13.30: Epidermal Homeostasis and Rare Disease</td>
<td></td>
</tr>
<tr>
<td>13.45-14.00</td>
<td>ESDR Poster Prizes</td>
<td>Closing Ceremony</td>
<td></td>
</tr>
<tr>
<td>14.00-17.00</td>
<td>Skin Epigenetics</td>
<td>Innovation and Entrepreneurship in Skin Science</td>
<td></td>
</tr>
</tbody>
</table>
EUROPEAN EPIDERMAL BARRIER RESEARCH NETWORK (E2BRN)

Date: Wednesday 27 September 2017
Time: 11.00–18.45
Room: Mozart Hall 4+5, Ground Floor

15th meeting of the European Epidermal Barrier Research Network

11.00–11.05 Opening
Johanna M. Brandner (Hamburg, Germany)

Session 1: Mendelian genetic disease and skin barrier
Chairs: Ryan O’Shaughnessy (UK), Florian Ehrlich (Austria)

11.05–11.30 One more step towards understanding sphingolipid metabolism and skin permeability barrier through the analysis of Pnpla1-deficient mice and PNPLA1-mutated patients suffering from Autosomal Recessive Congenital Ichthyosis (ARCI)
Nathalie Jonca (INSERM U1056 - Toulouse III University, France)

11.30–11.45 Evidence for a palmoplantar-specific role for microtubules
Helene Louis Dit Picard (Blizard Institute, Queen Mary University of London, UK)

11.45–12.00 In reconstructed human epidermis, peptidylarginine deiminase inhibitor CL-amidine modulates cornification and keratinocyte autophagic flux
Laura Cau (UDEAR, INSERM-University of Toulouse, France)

12.00–12.15 Mutations in three genes encoding proteins involved in hair shaft formation cause uncombable hair syndrome
Buket Basmanav (Institute of Human Genetics, University of Bonn, Germany)

12.15–14.00 Lunch and Posters

14.00–14.25 One more step towards understanding sphingolipid metabolism and skin permeability barrier through the analysis of Pnpla1-deficient mice and PNPLA1-mutated patients suffering from Autosomal Recessive Congenital Ichthyosis (ARCI)
Nathalie Jonca (INSERM U1056 - Toulouse III University, France)

14.25–14.50 Evidence for a palmoplantar-specific role for microtubules
Helene Louis Dit Picard (Blizard Institute, Queen Mary University of London, UK)

14.50–15.05 In reconstructed human epidermis, peptidylarginine deiminase inhibitor CL-amidine modulates cornification and keratinocyte autophagic flux
Laura Cau (UDEAR, INSERM-University of Toulouse, France)

15.05–15.20 Mutations in three genes encoding proteins involved in hair shaft formation cause uncombable hair syndrome
Buket Basmanav (Institute of Human Genetics, University of Bonn, Germany)

15.20–15.35 Lunch and Posters

Session 2: Skin Stress response
Chair: Sandra Simoes

14.00–14.25 Control of mechanism of DC’s cell death induced by chemical sensitizers
Saadia Kerdine-Römer (UMR S 996, Faculté de Pharmacie, Université Paris-Sud, France)

14.25–14.50 Does stress help to brake the skin barrier?
Eva Peters (Charité Universitätsmedizin Berlin, Germany)

14.50–15.05 Characterization of TSG-6 protein in healthy and inflammatory models of reconstructed human epidermis
Celine Evrard (URPhyM-NARILIS, University of Namur, Belgium)

15.05–15.20 Organic osmolytes protect keratinocyte tight junctions from the harmful effects of Ultraviolet Radiation
Cecile el Chami (Faculty of Medical and Human Sciences, University of Manchester, UK)

15.20–15.35 Characterization of xenobiotic metabolizing enzymes of a reconstructed human epidermal model, as part of the metabolism skin barrier
Daniel Bacqueville (Pierre Fabre Dermo-cosmétique, Toulouse, France)

15.35–17.00 Coffee and Posters

Session 3: Skin Barrier Homeostasis
Chairs: Rosalind Hannen (UK), Guiseppe Percoco (France)

17.00–17.25 Stressed out keratinocytes
Rosalind Hannen (Queen Mary University of London Centre for Cell Biology and Cutaneous Research, Blizard Institute, UK)

17.25–17.50 Persistent kallikrein5 activation induces atopic dermatitis-like skin architecture independent of PAR2 activity
Wei-Li Di (University College London, UK)

17.50–18.05 MiR-30a is an aged-related microRNA that impairs differentiation and induces apoptosis in human epidermis
Jerome Lamartine (LBTI UMR5305 CNRS/UCBLI, Lyon, France)

18.05–18.20 1-Deoxy-sphingosine, 3-Deoxy-sphingosine and N-Methyl-sphingosine Ceramides in Model Skin Membranes: Permeability and Biophysics
Andrej Kovaščik (Skin Barrier Research Group, Charles University, Faculty of Pharmacy in Hradec Králové, Czech Republic)

18.20–18.35 Normalization of the stratum corneum lipids by targeting the liver X receptor in Human Skin Equivalents
R.J.W Helder (Drug delivery technology, LACDR Leiden University, The Netherlands)

18.35–18.45 Poster Prizes and Closing Remarks
**WEDNESDAY**

**2017 FUTURE LEADERS SYMPOSIUM**

**Date:** Wednesday 27 September 2017  
**Time:** 13.00–18.00  
**Room:** Mozart Hall 1+2+3, Ground Floor  
**Theme:** Looking Forward: The Future of Dermatological Research

Given great global social and political change, we consider the past, present and future trajectory of dermatology with implications for our future research practice. This session aims to facilitate interaction and collaboration between young ambitious researchers and current leaders in the field of investigative dermatology around the world.

The Future Leaders Symposium is open to all ESDR delegates, though pre-registration is preferred. Places at the Future Leaders dinner are limited and pre-registration is required.

**Program Organizing Committee**

**ESDR:** Amy Foulkes (Manchester, UK), Matthew Caley (London, UK)  
**JSID:** Hayato Takahashi (Tokyo, Japan), Hideyuki Ujiie (Sapporo, Japan)  
**SID:** Andrew South (Philadelphia, USA), Tamia A. Harris-Tryon (Dallas, USA)

This event is supported by unrestricted educational grants from the following:

- **CASTLE CREEK PHARMA**
- **BIOTEK**
- **SANOFI GENZYME**
- **REGENERON**

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**Program**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
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</thead>
<tbody>
<tr>
<td>12.30–13.00</td>
<td>Registration</td>
</tr>
</tbody>
</table>
| 13.00–13.15 | Welcome and introduction to Future Leaders Symposium  
ESDR: Matthew Caley / JSID: Hideyuki Ujiie / SID: Tamia A. Harris-Tryon |
| 13.15–13.45 | Keynote speaker from the ESDR  
Palm reading the future: genetic skin disease and beyond  
David Kelsell (London, UK) |
| 13.45–14.45 | Scientific Presentations (15min + 5 min discussion)  
SDR: Transcriptomic led drug targeting of inherited cylindromas: From bench to clinic without a mouse  
Neil Rajan (Newcastle, UK)  
JSID: PSMα as a key virulence in Staphylococcus aureus-induced skin inflammation through IL-36 and IL-1 release from keratinocytes  
Seitaro Nakagawa (Chiba, Japan)  
SID: From basic to translational science: Lessons from two collagens type VII and XVII in the skin  
Joanna Jackow (New York, USA) |

**Session 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 2</th>
</tr>
</thead>
</table>
| 14.45–15.30 | Interactive session led by Amy Foulkes  
Innate-like T cells in human skin: characterising the human lymphoid stress surveillance response  
Richard Woolf (London, UK)  
Exploring the pathogenesis of alopecia areata  
Marta Bertolini (Münster, Germany)  
Mechanisms of mast cells and T cell interactions during viral infections  
Melba Muñoz Roldan (Berlin, Germany)  
Light-independent pro-inflammatory and pro-oxidant effects of purified human hair melanins on keratinocyte cell cultures  
Serena Lembo (Salerno, Italy) |
| 15.30–16.00 | Keynote speaker from the JSID  
From Blisters via Bethesda to the Bulge – A Decade of Journey to Find my Own Niche  
Manabu Ohyama (Tokyo, Japan) |
| 16.00–16.15 | Coffee Break                                                                                   |
| 16.15–16.45 | Special Guest Lecture  
Gitte Aabo (President and Chief Executive Officer, LEO Pharma) |
| 16.45–17.00 | 2017 Women in Dermatological Research Fellow  
Reflections on the status of women in skin science  
Tamia Harris-Tryon (Dallas, USA) |
| 17.00–17.20 | Keynote speaker from the ESDR  
Mentoring and Leadership  
Chris Griffiths (Manchester, UK) |
| 17.20–17.50 | Keynote speaker from the SID  
It’s the data that matters – a personal perspective on academic investigative dermatology  
Andrew South (Philadelphia, USA) |
| 17.50–18.00 | Closing Remarks                                                                                 |
| 18.00–19.00 | Reception (all symposium delegates)                                                            |
| 19.00 | Future Leaders Dinner (for pre-registered delegates)                                           |
### Program

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.00–14.05</td>
<td>Welcome &amp; Introduction</td>
<td>Thomas Luger (Münster, Germany)</td>
</tr>
<tr>
<td>14.10–14.37</td>
<td>Lecture 1 Psychoemotional stress responses of the skin: Lessons from hair, mice, and female students (20 min + 7 min discussion)</td>
<td>Eva Peters (Berlin &amp; Giessen, Germany)</td>
</tr>
<tr>
<td>14.37–15.04</td>
<td>Lecture 2 Substance P and calcitonin gene-related peptide: Key regulators of cutaneous microbiota homeostasis (20 min + 7 min discussion)</td>
<td>Marc Feuilloley (Evreux, France)</td>
</tr>
<tr>
<td>15.04–15.18</td>
<td>Oral presentation from selected ESDR abstracts</td>
<td>Koji Sugawara (Osaka, Japan)</td>
</tr>
<tr>
<td>15.18–15.45</td>
<td>Lecture 3 Retinoids as modulators of skin inflammation and skin microbiome: Lessons from acne (20 min + 7 min discussion)</td>
<td>Antti Lauerma (Helsinki, Finland)</td>
</tr>
<tr>
<td>15.45–16.15</td>
<td>Coffee Break</td>
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<tr>
<td>16.15–16.45</td>
<td>Keynote Lecture Estrogen receptor β as a pharmaceutical target in skin and hair research (20 min + 10 min discussion)</td>
<td>Jan-Ake Gustafsson (Houston, TX &amp; Huddinge, Sweden)</td>
</tr>
<tr>
<td>16.45–17.12</td>
<td>Lecture 5 Role of galanin in cutaneous biology (20 min + 7 min discussion)</td>
<td>Barbara Kofler (Salzburg, Austria)</td>
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<tr>
<td>17.12–17.26</td>
<td>Oral presentation from selected ESDR abstracts</td>
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<tr>
<td></td>
<td>Mineralocorticoid receptor: pathophysiology and therapeutic innovations (10 min + 4 min discussion)</td>
<td>Tuan Nguyen (Paris, France)</td>
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<tr>
<td>17.26–17.53</td>
<td>Closing Lecture Is hidradenitis/acne inversa an endocrine disorder? (25 min + 9 min discussion)</td>
<td>Christos Zouboulis (Dessau, Germany)</td>
</tr>
<tr>
<td>17.53–18.00</td>
<td>Closing Remarks</td>
<td></td>
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<tr>
<td>18.00–18.45</td>
<td>ESDR Reception for Satellite Meeting Attendees</td>
<td></td>
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### Notes

The satellite symposium is open to all ESDR 2017 registered delegates. This satellite symposium is kindly supported by:

- DRAUGST-WULFF
- Merck Millenium
- nographma
Program

08.30–08.40  Welcome notes and awards
            Academic Leader and Research Fellows

08.40–09.00  Academic Leader 2017: Investigations on psoriasis
            Zsuzsanna Bata-Csörgő (Szeged, Hungary)

09.00–09.10  Cannabinoid receptor 1 (CB1) is a novel negative regulator of keratinocyte mitochondrial function in human epidermis ex vivo
            Attila Oláh (Debrecen, Hungary)

09.10–09.20  The functional characterization of CARD14 variants in pityriasis rubra pilaris affected skin and keratinocytes
            ÁrKő Gőzös (Szeged, Hungary)

09.20–09.30  SERPINB2 is regulated by the NF-κB pathway and miR-146a in human primary keratinocytes and psoriasis
            Helen Hermann (Tartu, Estonia)

09.30–09.50  Effects of melanoma derived exosomes on peritumoral stromal cells
            Tünde Buknicz (Szeged, Hungary)

09.50–10.10  Molecular diagnostics of ichthyoses using genodermatoses-dedicated next generation sequencing panel in Polish patients
            Katarzyna Wertheim-Tysarowska (Warsaw, Poland)

10.00–10.10  Poly(ADP-ribose) polymerase-1 activity modulates mitochondrial function following UVB irradiation
            Csaba Hegedűs (Debrecen, Hungary)

10.10–10.20  Dual vibration resonance frequency CARS microscopy imaging of basal cell carcinoma to achieve stain free histopathology
            Norbert Kiss (Budapest, Hungary)

10.20–10.30  In memoriam Professor Stefania Jablonska
            Anna Zalewska (Lodz, Poland)

10.30        Closing Remarks
            2017 Research Fellow Awards go to:
            1. Piotr Koniak (Poland)  2. Csaba Hegedűs (Hungary)
            3. Ekaterina Kalabusheva (Russia)  4. Helen Hermann (Estonia)
INTERNATIONAL ECZEMA COUNCIL SYMPOSIUM

The Role Of Environmental Factors In AD

Date: Thursday 28 September 2017
Time: 08.30–10.30
Room: Mozart Hall 1+2+3, Ground Floor
Chairs: Sara J Brown (Dundee, UK), Thomas Werfel (Hannover, Germany)

This program is sponsored by:

EUROPEAN DERMATO-EPIDEMIOLOGY NETWORK

Date: Thursday 28 September 2017
Time: 08.30–10.30
Room: Wolf-Dietrich Hall, 1st floor
Chairs: Jan Nico Bouwes Bavinck, Marlies Wakkee

Program

08.30–08.50  KEYNOTE LECTURE
Skin cancer epidemiology: Possibilities and pitfalls of routine data
Marlies Wakkee (Rotterdam, The Netherlands)

08.50–09.00  (Poster 041) Prevalence, characteristics
and burden of pruritus in chronic dermatoses
Tomasz Hawro (Berlin, Germany)

09.00–09.10  (Poster 604) Increased risk for vulvar
melanoma among patients with lichen sclerosis
Niina Hieta (Turku, Finland)

09.10–09.20  (Poster 006) Increased risk for vulvar
melanoma among patients with lichen sclerosis
Niina Hieta (Turku, Finland)

09.20–09.30  (Poster 001) Risk of serious infection associated with biologic therapies
in psoriasis: a prospective cohort study from the British Association of
Dermatologists Biologic Interventions Register (BADBIR)
Zenas Yiu (Manchester, United Kingdom)

09.30–09.40  (Poster 037) Safety of systemic psoriasis treatments evaluated
in the Swiss Dermatology Network for Targeted Therapies (SDNTT)
Julia-Tatjana Maul (Zürich, Switzerland)

09.40–09.50  (Poster 020) Responsiveness, Minimal Clinically Important Difference (MCID),
and cut-offs for the Pemphigus Disease Area Index (PDAI) and Autoimmune
Bullous Skin disorder Intensity Score (ABSIS) for Pemphigus
Sarah Hanna (Sydney, Australia)

09.50–10.00  (Poster 079) High-risk human papillomavirus infection
in Bowen’s disease and squamous cell carcinomas of the hands
Sonja Dorfer (Vienna, Austria)

10.00–10.10  Keynote Lecture
Human papillomavirus infection and cutaneous squamous-cell carcinoma
Jan Nico Bouwes Bavinck (Leiden, The Netherlands)

10.10–10.30  Closing Comments
Thomas Werfel (Hannover, Germany)
PLENARY 1 & FRONTIERS IN SKIN BIOLOGY AND DERMATOLOGY 1

Date: Thursday 28 September 2017
Time: 11.15–12.45
Room: Europa Hall, 2nd floor
Chairs: Juha Kere, Matthias Schmuth, Maria Sibilia

The Frontiers in Skin Biology and Dermatology Lectures in this session are supported by:

Program

11:00–11:15 Opening Ceremony

11.15–11.40 Frontiers in Skin Biology and Dermatology Lecture
Keratinocyte Transcriptomics from Skin Biopsies to Single Cells
Juha Kere (Huddinge, Sweden)

Plenary Presentations

11.40–11.50 001 (Poster 292)
Regulatory T cell is essential for deletion of autoreactive CD4+ T cells to desmoglein 3 in peripheral tolerance
H Liu,1, 2 H Takehashi,1, 2 N Wada1 and M Amagai1, 2 1 Dermatology, Keio University School of Medicine, Tokyo, Japan and 2 Laboratory for Skin Homeostasis, RIKEN IMS, Yokohama, Japan

11.50–12.00 002 (Poster 088)
Understanding the role of ABCA12 in the Pathogenesis of Harlequin Ichthyosis
F Enjalbert,1 P Dewan,1 M Caley,1 B Fell,1 M Morse,1 DP Kelsell,1 A Enright and EA O’Toole1 1 Cell Biology Cutaneous Research, QMUL, London, United Kingdom, 2 Wellcome Trust Genome Campus, EMBL, Hinxton, Cambridge, United Kingdom and 3 ImmunoInflammation Therapy Area, GSK, Stevenage, United Kingdom

12.00–12.10 003 (Poster 310)
Unopposed IL-36 activity promotes clonal CD4+ T-cell responses with IL-17A production in generalized pustular psoriasis
A Arakawa, S Vollmer, P Besgen, B Summer, T Ruzicka, P Thomas and JC Prinz Dermatology, LMU, Germany

12.10–12.20 004 (Poster 658)
Wound Healing and Tissue Remodelling Low-dose CCL2 allows the rescue of maternal delayed healing through fetal progenitor cells recruitment
M Castela,1 M Sbeih,1 M Jachiet,1 Z Wang1 and S Aractingi2 1 Centre de Recherche Saint-Antoine-INSERM UMR 938, Paris, France and 2 Faculté de médecine Paris 5 Descartes, Paris, France

12.20–12.45 Frontiers in Skin Biology and Dermatology Lecture
Cell-Specific Functions of Epidermal Growth Factor Receptor (EGFR) Signaling in Inflammation and Cancer
Maria Sibilia (Vienna, Austria)
LEO PHARMA RESEARCH FOUNDATION AWARDS & SYMPOSIUM

**Date:** Thursday 28 September 2017  
**Time:** 12.45–14.15  
**Room:** Europa Hall, 2nd floor

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.45–12.50</td>
<td>Introduction to the award ceremony</td>
<td>Mads Røpke (Member of LEO Pharma Research Foundation Award Committee)</td>
</tr>
<tr>
<td>12.50–13.00</td>
<td>Introduction to the award winners and presentation of the awards</td>
<td>Matthias Schmuth (President of the ESDR)</td>
</tr>
<tr>
<td>13.00–13.25</td>
<td>Gold Award winner</td>
<td>Maria Kasper (Huddinge, Sweden)</td>
</tr>
<tr>
<td>13.25–13.50</td>
<td>Silver Award winner</td>
<td>Christoph Schlapbach (Bern, Switzerland)</td>
</tr>
<tr>
<td>13.50–14.15</td>
<td>Keynote lecture</td>
<td>Lionel Larue (Paris, France)</td>
</tr>
</tbody>
</table>

THE EVOLVING TREATMENT LANDSCAPE FOR ATOPIC DERMATITIS

**Date:** Thursday 28 September 2017  
**Time:** 13.15–14.15  
**Room:** Mozart Hall 1 + 2 + 3, Ground Floor  
**Chair:** Georg Stingl (Vienna, Austria)

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.15–13.35</td>
<td>Welcome and Introduction</td>
<td>Georg Stingl (Vienna, Austria)</td>
</tr>
<tr>
<td>13.35–13.55</td>
<td>Targeting Pathways involved in the Pathophysiology of Atopic Dermatitis</td>
<td>Marjolein de Bruin-Weller (Utrecht, The Netherlands)</td>
</tr>
<tr>
<td>13.55–14.15</td>
<td>Translating Scientific Advances Into the Atopic Dermatitis Treatment Paradigm</td>
<td>Tilo Biedermann (Munich, Germany)</td>
</tr>
</tbody>
</table>
CONCURRENT SESSION 1: INFLAMMATION, IMMUNITY & INFECTION 1

Date: Thursday 28 September 2017
Time: 14.20–15.45
Room: Europa Hall, 2nd floor
Chairs: Sandrine Dubrac, Olivier Gaide

Program

14.20–14.30
011 (Poster 294) IL-17A and not IL-17RE is required for IL-17C-mediated psoriasis transform inflammation
S Sigurdardottir, Y Fritz, P Kienotic and NL Ward Dermatology, Case Western Reserve University, Cleveland, USA

14.30–14.40
012 (Poster 312) A Key Signaling Molecule for the Establishment of Inflammatory Loop of IL-17 in the Skin Identified in Keratinocytes
R Matsumoto, T Dannisch, K Sakurai, Y Nakano, M Otsuka, T Nomura and K Kabashima Dermatology, Kyoto University Graduate School of Medicine, Kyoto, Japan

14.40–14.50
013 (Poster 311) Group 3 innate lymphoid cells (ILC3) induce psoriasisform lesions in human skin xenotransplants in vivo
A Kera, A Shemer, A Ginzburg, L Eckhart, J Rudolf, T Vafaee, A Sharov, J Yarker, M De Rie and A Gilhar, 1 Center for Dermatology Research Centre, University of Manchester, UK

14.50–15.00
014 (Poster 313) IL-17A–producing type 3 innate lymphoid cells derive from type 2 innate lymphoid cells
M Sartorius, JR Ros, S van Tol, L Krabbe, M De Rie, H Spits and JH Bernink, 1 Cell Biology and Histology, Academic Medical Center, Amsterdam, Netherlands and 2 Dermatology, Academic Medical Center, Amsterdam, Netherlands

15.00–15.10
015 (Poster 301) The psoriasis-associated IL-17A induces and cooperates with IL-36 cytokines to control keratinocyte differentiation and function
CM Pfaff, D Kuziw, Y Marquardt, K Fietkau, B Lüscher and JH Baron Uniklinik RWTH Aachen, Aachen, Germany

15.10–15.20
016 (Poster 300) Tonicity signals drive immunoparalysis and anti-inflammatory Th17 cell properties
A Matthias and C Zielinska, TU Munich, Munich, Germany

15.20–15.30
017 (Poster 363) The differential production of IL-26 vs. IL-17 by Th17 cells contributes to the development of different forms of psoriasis
LJ Domingo, A Fries, O Demaria and M Gillet Dermatologische Universitätsklinik RWTH Aachen, Aachen, Germany

15.30–15.40
018 (Poster 307) Identification of resolvin E1, an omega-3 polyunsaturated fatty acids-derived lipid mediator, as an inhibitor for psoriatic dermatitis by downregulating migration of IL-17A-producing cutaneous γδ T cells and IL-23 production from dendritic cells
T Honda, Y Sawada and K Kabashima Kyoto University, Kyoto, Japan

CONCURRENT SESSION 2: EPIDERMAL STRUCTURE & FUNCTION

Date: Thursday 28 September 2017
Time: 14.20–15.45
Room: Mozart Hall 1+2+3, Ground Floor
Chairs: Johanna Brandner, Sara Brown

Program

14.20–14.30
019 (Poster 090) The N-terminal domain of Filaggrin co-localizes, binds to and activates the Skin aspartic acid protease in the epidermis of human skin
M Donovan, A Thomas-Collignon, L Simonetti, S Desbouis, C Collin-Djangone, C Reverdy, J Rain, E Formstecher and D Bernard, 1 L’Oréal R&I, Auban sous Bois, France, 2 CNRS, Gil’sur Yvette, France and 3 Hybrigenics Services, Paris, France

14.30–14.40
020 (Poster 084) The keratin cytoskeleton as a regulator of keratinocyte mechano-sensing
A Lady and J Connelly Centre for Cell Biology and Cutaneous Research, Barts and the London School of Medicine and Dentistry, London, United Kingdom

14.40–14.50
021 (Poster 097) IRHOM2 regulation of loricrin in the epidermal barrier
L McGinty, DP Ketel and D Blaydon Centre for Cell Biology and Cutaneous Research, Queen Mary University of London, London, United Kingdom

14.50–15.00
022 (Poster 085) Type XVII collagen suppresses interferocellular epidermal proliferation in neonatal and aged skin, and helps rejuvenate epidermis
M Watanabe, V Botchkarev, Y Ullmann, A Thomas-Collignon, J Yarker, A Sharov, J Connelly, L McGinty and J Connelly Centre for Cell Biology and Cutaneous Research, Queen Mary University of London, London, United Kingdom

15.00–15.10
023 (Poster 092) BNIIP3-induced autophagy is required for maintenance of epidermal homeostasis
M Mori, Y Kubo, T Morita, T Hayakawa and H Mori, 1 Kanazawa Hanshin University, Kanazawa, Japan, 2 Graduate School of Medicine, Sapporo, Japan, 3 Department of Biochemistry, Hokkaido University Graduate School of Medicine, Sapporo, Japan, 4 Department of Biological Response and Regulation, Faculty of Health Sciences, Hokkaido University, Sapporo, Japan, and 5 Centre for Stem Cells and Regenerative Medicine, King’s College London, London, United Kingdom

15.10–15.20
024 (Poster 079) Inactivation of DNase1L2 and DNase2 in keratinocytes suppresses DNA degradation during epidermal cornification and results in constitutive parakeratosis
H Fischer, M Buchberger, E Tschachler and L Eckhart Department of Dermatology, Medical University of Vienna, Vienna, Austria

15.20–15.30
025 (Poster 076) Chromatin architectural protein CTCF controls terminal keratinocyte differentiation, epidermal barrier maintenance and suppresses inflammatory responses in the skin
I Malashchuk, 1 Rudolf, T Vafaee, 1 Poterlocwicz, A Sharov, M Fessing, 1 An Mardarayev and V Botchkarev, 1, 2 Centre for Skin Sciences, University of Bradford, Bradford, United Kingdom and 3 Department of Dermatology, Boston University, Boston, MA

15.30–15.40
026 (Poster 091) SC analysis reveals distinct spatial contact networks between gene- and gene-poor TADs at the Epidermal Differentiation Complex in skin epithelial cells
K Poterlocwicz, 1 Yarker, 1 Malashchuk, 1 An Mardarayev, 1 MR Gdula, 1 A Sharov, 1 T Kohel, 1 Shigematsu, 1 V Botchkarev and 1 M Fessing, 1 University of Bradford, Bradford, United Kingdom, 2 Biochemistry, University of Oxford, Oxford, United Kingdom, and 3 Boston University School of Medicine, Boston, MA and 4 University of California San Francisco, San Francisco, CA
CONCURRENT SESSION 3: PHOTOBIOLOGY & PIGMENTATION

**Date:** Thursday 28 September 2017  
**Time:** 14:20–15:45  
**Room:** Mozart Hall 4+5, Ground Floor  
**Chairs:** York Kamensch, Thierry Passeron

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**14:20–14:30**  
027 (Poster 624) Autophagy Alleviates UVA-Induced DNA Damage in Fibrocyte by Activating the Nrf2-dependent Nucleotide Excision Repair Pathway  
Y. He, X. Tan, J. He, Y. Deng and X. Xiong, Dermatology, The Affiliated Hospital of Southwest Medical University, Lanzhou, China

**14:30–14:40**  
028 (Poster 625) Development of an ex vivo Human Skin Model to Study the Effects of Ambient Relevant Air Pollutants Reveals Epidermal Activation of the Arylhydrocarbon Receptor  
S. Grether-Beck, H. Meyer, H. Brenden, T. Feulner and J. Kruthmann, IUF–Leibniz Research Institute for Environmental Medicine, Duesseldorf, Germany and Symrise AG, Holzminden, Germany

**14:40–14:50**  
029 (Poster 616) Postzygotic mutations of RHOA cause a mosaic neuroectodermal syndrome  

**14:50–15:00**  
030 (Poster 617) Cole disease: Role of ENPP1 in regulation of pigmentation and epidermal differentiation  
S. Nesmond, P. Bochmer, O. Sarig, C. Pain, V. Bergeron, J. Rambert, F. Monnie-Picard, E. Sprecher, A. Tariel, M. Carlo-Andreu and A. Desmedicine, INSERM 1035, Bordeaux, France, University Bordeaux, Bordeaux, France, National reference center for rare skin diseases, Bordeaux, France, Dermatology, Sourasky Medical Center, Tel Aviv, Israel and Aquiderm, Bordeaux, France

**15:00–15:10**  
031 (Poster 619) Prostaglandins contribute to specific ultraviolet irradiation-induced molecular alterations that are critically involved in photocaging process  
P. Wang, M. Sun, T. Okubo, J. Voorhees, G. Fisher and Y. Li, Dermatology, Keio University School of Medicine, Tokyo, Japan

**15:10–15:20**  
032 (Poster 626) Melanocyte-fibroblast interactions in vitiligo  
D. Kocas, E. Bostanini, M. Ottaviani, C. Cota, E. Migliano, M. DellAnna and M. Picard, Cutaneous Physiopathology/CIRM, San Gallicano Dermatologic Institute, Rome, Italy, Dermatopathological Laboratory, San Gallicano Dermatologic Institute, Rome, Italy and Department of Plastic and Reconstructive Surgery, San Gallicano Dermatologic Institute, Rome, Italy

**15:20–15:30**  
033 (Poster 618) Asymmetric melanin distribution during the mitosis of human skin progenitor keratinocytes  
N. Joly-Torrent, J. Jil Wilbawka, M. Bell and D. Tobin, Centre for Skin Sciences, University of Bradford, Bradford, United Kingdom, Maxellera, Marseille France, France and Walgreens Boots Alliance, Nottingham, United Kingdom

**15:30–15:40**  
034 (Poster 615) Inhibition of NADPH oxidase-1 as a new approach for the prevention and treatment of cutaneous squamous cell carcinoma  
H. Raad, M. Serrano-Sanchez and H. Rezaee, Bordeaux Univ, Bordeaux, France and INSERM U1035, Bordeaux, France

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**2017 Rudi Cormane Lecture**

MASAYUKI AMAGAI  
Vice Dean, Keio University School of Medicine. Professor and Chair, Department of Dermatology, Keio University School of Medicine, Tokyo

**Date:** Thursday 28 September 2017  
**Time:** 15:50–16:20  
**Room:** Europa Hall, 2nd floor  
**Lecture Title:** Cracking the Codes of Autoimmune and Allergic Skin Diseases  
**Introduced by:** Jonathan Baker

Dr Masayuki Amagai’s clinical and research interests center on autoimmune and allergic skin diseases, skin barrier, and skin immunology. Specifically, he has been studying the pathophysiologic mechanisms of pemphigus, the skin barrier and the homeostasis of stratum corneum and tight junctions, the impact of impaired skin barrier on skin microbiota and the onset of atopic dermatitis and other allergic disorders.

**2017 Special Guest Lecture**

CLEMENS SEDMAK  
F.D. Maurice Chair: Professor for Social Ethics (Moral and Social Theology), King’s College London F.M. Schmölz  
Visiting Professor for Social Ethics at the Theological Faculty, University of Salzburg

**Research Interests:** Social ethics with a special emphasis on poverty research, theories of justice and aspects of social exclusion, having coordinated an interdisciplinary research group on „option for the poor“ at the University of Salzburg Epistemology with a special focus on the relation between ethics and epistemology, Philosophy of Religion and religious studies, with a special interest in the social dimensions of religion and epistemological questions of religion
FRIDAY:

**IMMUNOGLOBULIN THERAPY IN SEVERE AUTOIMMUNE SKIN DISEASES**

**Date:** Friday 28 September 2017  
**Time:** 08.30–09.30  
**Room:** Mozart Hall 4+5, Ground Floor  
**Chair:** Alexander Enk (Heidelberg, Germany)

**Program**

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker/Location</th>
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<tr>
<td>08.30–08.50</td>
<td>IVIG – why they are so valuable in severe autoimmune dermatoses?</td>
<td>Alexander Enk (Heidelberg, Germany)</td>
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<tr>
<td>08.50–09.10</td>
<td>Stevens-Johnson syndrome and toxic epidermal necrolysis – update on</td>
<td>Lars E. French (Zurich, Switzerland)</td>
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<td>pathogenesis, clinical course and therapy</td>
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<td>09.10–09.30</td>
<td>Non-receptor-mediated anti-inflammatory effects of IgG</td>
<td>Ralf Ludwig (Lübeck, Germany)</td>
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**IL-31: A NOVEL KEY PRO-INFLAMMATORY CYTOKINE**

**Date:** Friday 29 September 2017  
**Time:** 08.30–09.30  
**Room:** Mozart Hall 1+2+3, Ground Floor  
**Chairs:** Thomas Ruzicka (Munich, Germany), Martin Steinhoff (Dublin, Ireland)

**Program**

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<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker/Location</th>
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<tr>
<td>08.30–08.35</td>
<td>Welcome</td>
<td>Thomas Ruzicka (Munich, Germany)</td>
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<tr>
<td>08.35–08.50</td>
<td>Biology of IL-31 and IL-31 Receptor</td>
<td>Bernhard Homey (Düsseldorf, Germany)</td>
</tr>
<tr>
<td>08.50–09.10</td>
<td>IL-31 in Atopic Dermatitis – Nemolizumab Results</td>
<td>Andreas Wollenberg (Munich, Germany)</td>
</tr>
<tr>
<td>09.10–09.25</td>
<td>Involvement of IL-31 in other Skin Conditions</td>
<td>Martin Steinhoff (Dublin, Ireland)</td>
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<tr>
<td>09.25–09.30</td>
<td>Conclusions and Closing</td>
<td>Martin Steinhoff (Dublin, Ireland)</td>
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FRIDAY

FRIDA Y FRIDA Y

PPAR GAMMA MODULATION IN THE MANAGEMENT OF PILOSEBACEOUS UNIT DISORDERS

Date: Friday 29 September 2017
Time: 08.30–10.30
Room: Wolf-Dietrich Hall, 1st floor
Chairs: Michel Gilliet (Lausanne), Mauro Picardo (Rome)

Program

08.30–08.45 Introduction by Michel Gilliet

The role of PPAR gamma in the biology of the pilosebaceous unit
C. Zouboulis (Berlin)

08.45–09.00 Roles of PPAR gamma modulation in the sebocyte functions
Emanuela Camera (Rome)

09.00–09.15 Exploiting PPAR gamma modulation in the treatment of acne
Mauro Picardo (Rome)

09.15–09.30 PPAR gamma signaling in human hair follicle biology and pathology
Ralf Paus (Manchester)

2017 Celgene ESDR Guest Lecture

FEDERICA SALLUSTO
Group Leader, Institute for Research in Biomedicine, USI
Bellinzona, Switzerland

Date: Friday 29 September 2017
Time: 9.35–10.05
Room: Europa Hall, 2nd floor
Lecture Title: T cell Differentiation, Migration and Immune Regulation
Introduced by: Michel Gilliet

Federica Sallusto received the degree of Doctor in Biology from the University of Rome in 1988, and performed postdoctoral work at the Istituto Superiore di Sanità in Rome and at the Basel Institute for Immunology, where she was a member from 11/1996 to 4/2000. She is currently Group leader of the Cellular Immunology Laboratory and Director of the Center of Medical Immunology at the Institute for Research in Biomedicine, Università della Svizzera Italiana, in Bellinzona, and since February 2017 Professor of Medical Immunology at the ETH Zurich. Her studies in the human system revealed a differential expression of chemokine receptors in Th1 and Th2 cells and led to the characterization of “central memory” and “effector memory” T cells as memory subsets with distinct migratory capacity and effector function. Among her recent contributions are the discovery of Th22 cells as a distinct subset of skin-homing T cells, the identification of markers to identify human Th17 cells and the characterization of two distinct types of pathogen-specific Th17 cells with pro-inflammatory and regulatory properties. Her recent work demonstrated that the T cell response induced by pathogens or vaccines comprise not only clones polarized toward a single fate, but also clones whose progeny have acquired multiple fates, providing evidence of intraclonal functional heterogeneity in vivo. She also developed a high-throughput cellular screening method based on libraries of polyclonally expanded T cells and used this method to show that human T cells specific for Mycobacterium tuberculosis are largely contained in a non-conventional Th1 subset and to dissect the T cell response in Dengue and Zika infected individuals. She received the Pharmacia Allergy Research Foundation Award in 1999, the Behring Lecture Prize in 2009 and was elected member of the German Academy of Science Leopoldina in 2009 and of EMBO in 2011. In 2013–2015 she was President of the Swiss Society for Allergology and Immunology.
FRIDAY

PLENARY 2 & FRONTIERS IN SKIN BIOLOGY AND DERMATOLOGY 2

Date: Friday 29 September 2017
Time: 10:05–11:30
Room: Europa Hall, 2nd floor
Chairs: Matthew Caley, Amy Foulkes, Sara Wickström

Program

10.05–10.30  Frontiers in Skin Biology and Dermatology Lecture
Biomechanical Regulation of Epidermal Stem Cell Fate
Sara Wickström (Cologne, Germany)

Plenary Presentations

10.30–10.40  005 (Poster S23) Reprogramming of energy metabolism during UVB-induced carcinogenesis
M Hosseini,1,2 R Rossignol1,2 and H Rezvani1 1 Bordeaux Univ, BORDEAUX, France, 2 INSERM U1035, Bordeaux, France and 3 Inserm 1211, Bordeaux, France

10.40–10.50  006 (Poster S24) Regional variation in epidermal susceptibility to ultraviolet induced carcinogenesis reflects proliferative activity of epidermal progenitors
E Roy, H Wong, V Murigneux, L Fink and K Khosrotehrani
Diamantina Institute, Translational Research Institute, University of Queensland, Brisbane, QLD, Australia

10.50–11.00  007 (Poster S30) The adaptive response of mesenchymal stem cells to danger signals regulate neutrophil activation in cutaneous wounds
S Munir, K Singh, A BASU and K Scharffetter-Kochanek
Dermatology and Allergic Diseases, Ulm University, Ulm, Germany

11.00–11.10  008 (Poster O83) IRHOM2-p63 pathway mediates survival and redox balance in keratinocytes
P Arcidiacono, CM Webb, D Blaydon, A Chikh and DP Kelsell
Centre for Cell Biology & Cutaneous Research, Blizard Institute Queen Mary University, London, United Kingdom

11.10–11.20  009 (Poster S39) A novel adipokine C1q/TNF-related proteins-3 decreases in psoriasis patients and ameliorates imiquimod-induced psoriasis-like skin lesions by inhibiting the proliferation and inflammatory cytokines expression of keratinocytes
K Xue and G Wang
Dermatology, Xijing Hospital, Xi’an, China

11.20–11.30  010 (Poster O87) Metabolic and stress kinase signaling control skin barrier function: implications for diabetic skin complications
E Wachsmuth1,2 M Awazawa3,5, S Agtham3,5, T Tellkamp3,4, M Pasparakis1,2, J Brüning1,2 and CM Niessen1,2,5
1 Dermatology, University Hospital Cologne, Cologne, Germany, 2 University of Cologne, Center for Endocrinology, Diabetes and Preventive Medicine, Cologne, Germany and 3 Cologne Excellence Cluster on Cellular Stress Responses in Aging-associated Diseases (CECAD), Cologne, Germany

Notes
LINKING PATHOPHYSIOLOGY TO CLINICAL OPTIONS IN PSORIASIS: NEW INSIGHTS INTO IL-23

Date: Friday 29 September 2017
Time: 12.30–14.00
Location: Mozart Hall 1+2+3, Ground Floor

Chairs:
- Antonio Costanzo, Humanitas Clinical Research Center, Milan, Italy (Scientific Committee and Chair)
- Carle Paul, Sabatier University, Toulouse, France (Scientific Committee)
- Flavio Caprioli, University of Milan, Italy

Program

13.00–13.10 Welcome and introduction
Antonio Costanzo

13.10–13.30 The autoimmune story of psoriasis: A focus on autoantigens and cytokines
Antonio Costanzo

13.30–13.55 Lessons from IL-23 in immune-mediated inflammatory diseases
Flavio Caprioli

13.55–14.20 Linking pathophysiology and clinical evidence
Carle Paul

14.20–14.30 Interactive Q&A and discussion
Antonio Costanzo and Carle Paul

With the support of Janssen Pharmaceutical Companies of Johnson & Johnson in EMEA.
FRIDA Y FRIDA Y

035 (Poster 180) The identification of a postzygotic GJA1 mutation in analysis of human plasma proteomes.

037 (Poster 177) University of Copenhagen where his Clinical Foundation Center for Protein Research at the

038 (Poster 195) He is also Program Director at the Novo Nordisk spectrometry (MS)-based proteomics in a variety of

039 (Poster 197) his group develops and applies methods of mass

040 (Poster 199) techniques in biomedical laboratories around

042 (Poster 201) breakthroughs that have revolutionised proteomics

043 (Poster 203) Professor Matthias Mann has contributed

044 (Poster 205) world. His contributions include the “peptide

045 (Poster 207) sequence tag” approach which allows proteins to be

046 (Poster 209) computationally identified by the fragment spectra;

047 (Poster 211) and methods for analysing

048 (Poster 213) proteins after extracting them from gels.

049 (Poster 215) Dr. Gian-Paolo Dotto received his MD from the University

050 (Poster 217) of Biochemistry, New York, in 1983. After postdoctoral training with Robert A. Weinberg at the Whitehead Institute/ MIT in Cambridge, Mass., in 1987 Dr. Dotto joined Yale University, New Haven, Connecticut, as assistant professor of Pathology. In 1992 he was promoted to the rank of associate professor and soon after moved to Harvard Medical School, as associate professor of Dermatology in the newly established Cutaneous Biology Research Center. In 2000 he was promoted to the rank of Professor at Harvard Medical School and Biologist at Massachusetts General Hospital. In 2002 he accepted a position in the Department of Biochemistry at the University of Lausanne, while retaining his position of Biologist at Massachusetts General Hospital. He has been elected to the European Molecular Biology Organization (2011), the Academia Europaea (2012) and the Leopoldina German National Academy of Sciences (2014). He is the recipient of a number of awards, including the American Skin Association Achievement Award (2012) and an ERC Advanced investigator grant award (2013).

052 (Poster 219) He has been elected to the European Molecular Biology Organization (2011), the Academia Europaea (2012) and the Leopoldina German National Academy of Sciences (2014). He is the recipient of a number of awards, including the American Skin Association Achievement Award (2012) and an ERC Advanced investigator grant award (2013).

2017 ESDR Guest Lecture

MATTHIAS MANN

Director, Department of Proteomics and Signal Transduction

Max-Planck Institute of Biochemistry, Martinsried

Date: Friday 29 September 2017

Time: 14.05–14.35

Room: Europa Hall, 2nd floor

Lecture Title: Advanced Proteomics Technologies and their Application to Biomedicine

Introduced by: Nikolaus Romani

Professor Matthias Mann has contributed breakthroughs that have revolutionised proteomics techniques in biomedical laboratories around the world. His contributions include the “peptide sequence tag” approach which allows proteins to be computationally identified by the fragment spectra; nanoelectrospray which allows minute quantities of protein to be tested; and methods for analysing proteins after extracting them from gels.

Since 2005 he has been Director of the Department of Proteomics and Signal Transduction at the Max Planck Institute of Biochemistry in Munich where his group develops and applies methods of mass spectrometry (MS)-based proteomics in a variety of biological areas.

He is also Program Director at the Novo Nordisk Foundation Center for Protein Research at the University of Copenhagen where his Clinical Proteomics group concentrates on large scale analysis of human plasma proteomes.

René Touraine Lecture

GIAN-PAOLO DOTTO

Full Professor, Dept of Biochemistry, University of Lausanne

Date: Friday 29 September 2017

Time: 15:35–16.05

Room: Europa Hall, 2nd floor

Lecture Title: Genetic and Epigenetic Basis of Cancer Stromal Cell Evolution and Field Cancerization

Introduced by: Erwin Tschachler

Dr. Gian-Paolo Dotto received his MD from the University of Turin, Italy, in 1979, and his PhD in Genetics from the Rockefeller University, New York, in 1983. After postdoctoral training with Robert A. Weinberg at the Whitehead Institute/ MIT in Cambridge, Mass., in 1987 Dr. Dotto joined Yale University, New Haven, Connecticut, as assistant professor of Pathology. In 1992 he was promoted to the rank of associate professor and soon after moved to Harvard Medical School, as associate professor of Dermatology in the newly established Cutaneous Biology Research Center. In 2000 he was promoted to the rank of Professor at Harvard Medical School and Biologist at Massachusetts General Hospital. In 2002 he accepted a position in the Department of Biochemistry at the University of Lausanne, while retaining his position of Biologist at Massachusetts General Hospital. He has been elected to the European Molecular Biology Organization (2011), the Academia Europaea (2012) and the Leopoldina German National Academy of Sciences (2014). He is the recipient of a number of awards, including the American Skin Association Achievement Award (2012) and an ERC Advanced investigator grant award (2013).

CONCURRENT SESSION 4: GENETICS & CELL BASED THERAPY

Date: Friday 29 September 2017

Time: 16.10–17.35

Room: Europa Hall, 2nd floor

Chairs: Ryan O’Shaughnessy, Verena Wally

Program

16.10–16.20

035 (Poster 180) Decorin Increases Survival and Ameliorates Disease Phenotype of Col7a1 Hypomorphic Mice

1 K Tanaka,1,2 X Yamazaki,1,2 M Nishida,1,2 T Shimojo,1 Y Kikuchi,1 L Bruckner-Tuderman,1 J Ulloa,1 I Katayama1 and Y Kaneda1

2 Stem Cell Therapy Science, Osaka University, Suita, Japan, 1 Dermatology, Osaka University, Suita, Japan, 3 Genomic, Ibaraki, Japan, 4 Dermatology, University of Freiburg, Freiburg, Germany and 5 Dermatology and Cutaneous Biology, Thomas Jefferson University, Philadelphia, USA

16.20–16.30

036 (Poster 179) Systemic administration of HMGB1 peptide drastically improves survival of the RDEB model mice by mobilizing multipotent stem/progenitor cells from bone marrow

K Tanaka,1,2 X Wang,1,2 M Nishida,1,2 T Shimojo,1 Y Kikuchi,1 L Bruckner-Tuderman,1 J Ulloa,1 I Katayama1 and Y Kaneda1 2 Stem Cell Therapy Science, Osaka University, Suita, Japan, 1 Dermatology, Osaka University, Suita, Japan, 3 Genomic, Ibaraki, Japan, 4 Dermatology, University of Freiburg, Freiburg, Germany and 5 Dermatology and Cutaneous Biology, Thomas Jefferson University, Philadelphia, USA

16.30–16.40

037 (Poster 177) VPS32B mutations cause ARKID syndrome affecting Rab protein interaction, collagen modification and epidermal structure

K Gruber,1 C Rogerson,1 C Windpassinger,1 R Strohal,1 M Schmuth,1 P Kroisel,2 AR Janecke2 and P Gissen2,3

2 Department of Dermatology, Venereology and Allergy, Medical University of Innsbruck, Innsbruck, Austria, 3 MRC Laboratory for Molecular Cell Biology, University College London, London, United Kingdom, 2 Institute of Human Genetics, Medical University of Graz, Graz, Austria, 1 Department of Pediatrics I, Medical University of Innsbruck, Innsbruck, Austria, 3 Department of Dermatology, Academic Teaching Hospital Feldkirch, Feldkirch, Austria and 4 Institute of Child Health, University College London, London, United Kingdom

16.40–16.50

038 (Poster 195) The identification of a postzygotic GJA1 mutation in a patient with an inflammatory linear verrucous epidermal nevus suggests that the disease is a mosaic of erythrodermatoderma variabilis et progressiva

N Umegaki-Aruga,1 T Sanaki,1 H Fujita,1 S Aoki,1 M Amagai,1 M Seshima1 and A Kubo1

1 Dermatology, Keio University School of Medicine, Tokyo, Japan, 2 Center for Supercentenarian Medical Research, Keio University School of Medicine, Tokyo, Japan and 4 Dermatology, Gifu University Graduate School of Medicine, Gifu, Japan
039 (Poster 176) A Distinct Cutaneous Blistering Phenotype with Multi-System Manifestations Caused by a Mutation in CD151, the 20th Causative Gene in Epidermolysis Bullosa

Y ork City, NY, and

17.10–17.20

17.00–17.10

040 (Poster 192) Loss of keratinocyte type VII collagen induces increased DNA damage in vitro and in vivo

S Marsh, 1 M Caley, 1 V Martins, 1 MR Barnes, 1 M Chen 1 and EA O’Toole 1, 1 Centre for Cutaneous Research, Barts and The London School of Medicine and Dentistry, Whitechapel, United Kingdom., 1 Genome Centre, QMUL, London, United Kingdom and 1 Department of Dermatology, USC, Los Angeles, USA

17.20–17.30

042 (Poster 204) Epidermodysplasia verruciformis: Clinical, viral, and histopathological phenotype in patients with EVER3 mutation

E Abraham, 1 Si de Jong, 1 S Poen, 1 W Kempf, 1 C Imhof, 1 P Häusermann, 1 E Jouangay, 1 J Casanova, 1 B Burger 1 and P Illn 1, 1 Department of Biomedicine, University Hospital of Basel and University of Basel, Basel, Switzerland, 1 St. Giles Laboratory, The Rockefeller University, New York City, NY, 1 Kempf and Pfaffl Histological Diagnostics, Zurich, Switzerland, 1 Stadtpraxis Brig, Brig, Switzerland and 1 Department of Dermatology, University Hospital Basel, Basel, Switzerland

043 (Poster S33) PDE4D is a therapeutic target in melanoma

N Dumaz, 1 D Julie, 1, 1, 1 Bechervois, 1, 1, 1 Andre 1 and 1 Leibl 1, 1 INSERM U976, Paris, France, 2 UMRS 976, University Paris Diderot, Paris, France and 1 Dermatology Department, Saint Louis Hospital, Paris, France

044 (Poster S32) Variable but distinct metabolic signature in malignant melanoma

R Lang, 1 RG Feichtinger, 1 R Geilberger, 1 F Rathje, 1 KA May, 1 W Sterl, 1 JW Bauer, 1 M Hauser-Kronenberg, 1 M Emberger 1 and B Koffer 1, 1 Department of Dermatology, Paracelsus Medical University Salzburg, Salzburg, Austria, 2 Department of Pediatrics, Paracelsus Medical University Salzburg, Salzburg, Austria, 3 Institute of Pathology, Paracelsus Medical University Salzburg, Salzburg, Austria, 4 Laboratory for Pathology Weger/Emberger, Salzburg, Austria and 5 Department of Pediatrics, Research Program for Receptor Biochemistry and Tumor Metabolism, Paracelsus Medical University Salzburg, Salzburg, Austria

045 (Poster S22) N-Oct3 is a tumor suppressor and acts as a radioprotector

A Saeidian, 1 Y Doucet, 1 M Takaishi and 1 P Itin, 1 Zurich, Switzerland, 2 Department of Dermatology, Kochi Medical School, Nankoku, Japan, 3 Department of Biomedicine, University Hospital of Basel

046 (Poster S29) Microphthalmia-associated transcription factor regulates dynamic melanoma heterogeneity

NK Haass, 1 L Spoeri, 1 CA Tonnessen, 1 KA Beaumont, 2 DS Hill, 1 RJ Jarek, 1 SM Daignault, 1 F Ahmed, 1 AG Smith 1 and W Heninger 1, 1 University of Queensland Diamantina Institute, Woolloongabba, QLD, Australia and 2 Centenary Institute, Sydney, NSW, Australia

047 (Poster S38) Transdifferentiation of melanoma cells by the reprogramming factors lose malignant nature in vitro and in vivo

M Takashi and S Sano, Dermatology, Kochi Medical School, Nankoku, Japan

048 (Poster S40) Tumor cell-derived complement components C1r and C1s promote growth of cutaneous squamous cell carcinoma

P Brama, 1 RJ Kvikklepp, 1 L Nissen, 1 M Farshchin, 1 M Kallajo, 1 K Kivisaari, 1 S Meri and 1 R Grönlund, 1 S Peltonen, 1, 1 Peltonen and V Kähäri, 1, 1 Department of Dermatology, University of Turku and Turku University Hospital, Turku, Finland, 2 MedCity Research Laboratory, University of Turku, Turku, Finland, 3 Department of Pathology, Turku University Hospital, Turku, Finland, 4 Heartman Institute, University of Helsinki, Helsinki, Finland, 5 Department of Otolaryngology – Head and Neck Surgery, Turku University Hospital, Turku, Finland and 5 Department of Anatomy and Cell Biology, University of Turku, Turku, Finland

049 (Poster S37) Accelerated endogenous mutation rate drives early-onset squamous cell carcinomas in recessive dystrophic epidermolysis bullosa

RJ Cho, 1 V Atanasova, 1 N den Breems, 1 L Alexandrov, 1 K Tsai 1 and 1 South, 1 Thomas Jefferson University, Philadelphia, PA, 1 UCEFS, San Francisco, CA, 1 University of Auckland, Auckland, New Zealand, 4 Los Alamos National Laboratory, Los Alamos, NM and 5 Moffitt Cancer Center, Tampa Bay, FL

050 (Poster S28) MicroRNA-130a (miR-130a) regulates self-renewal capacity and tumor growth in cutaneous squamous cell carcinoma

W Lohcharoenkal, 1 K Das Mahapatra, 1 N Xu Landén, 1 E Sonkoly and 1 Pivnick, 1 Department of Medicine, Unit of Dermatology and Venereology, Karolinska Institutet, Stockholm, Sweden
## Program

### 16.10–16.20
1. **051 (Poster 245)** Tight junction barriers in sebaceous glands are crucial for proper terminal differentiation of sebocytes  
   - A Kubo, T Atsugi, M Yokouchi, A Hirabayashi, M Ohyama and M Amagai  
   - Department of Dermatology, Keio University School of Medicine, Tokyo, Japan.  
   - KOSE Corporation, Tokyo, Japan.

### 16.20–16.30
2. **052 (Poster 248)** Engineering novel human sweat gland cell lines using CRISPR/Cas9 and primary cell technologies  
   - A Wursthorn, T Sturmheit, Ü Pul, J Kier, M Brandenburger and T Ertongur-Fauth  
   - BRAIN AG, Zwingenberg, Germany and Fraunhofer EMB, Lübeck, Germany.

### 16.30–16.40
3. **053 (Poster 246)** miR-486 Plays a Protective Role in Hair Follicle Immune Privilege Collapse in Alopecia Areata  
   - D Broadley, A Sharov, J Sundberg, M Bertolini, AN Mardaryev and NV Botchkareva  
   - University of Bradford, Bradford, United Kingdom.  
   - University of Munster, Munster, Germany.  
   - Dermatology, Boston University, Boston, MA and The Jackson Laboratory, Bar Harbor, ME.

### 16.40–16.50
4. **054 (Poster 257)** Is EBF1 a negative regulator of WNT10A in the development of androgenetic alopecia?  
   - LM Hochfeld, A Woitecki, K Pernhorst, JA Müller, FB Basmanav, M Philpott, S Schoch, RC Betz, MM Nöthen and S Heilmann-Heimbach  
   - Institute of Human Genetics, Dept. Genomics, University of Bonn, Bonn, Germany.  
   - Dept. of Neuropathology, University of Bonn Medical Center, Bonn, Germany and Cell Biology and Cutaneous Research, Queen Mary University London, London, United Kingdom.

### 16.50–17.00
5. **055 (Poster 253)** Opsins and Cryptochrome photoreceptors mediate blue light stimulatory effect on hair growth  
   - S Buscone, NE Uzunbajakava, AN Mardaryev and NV Botchkareva  
   - Health Care and Wellness, Philips Research, Eindhoven, Netherlands and Centre for Skin Sciences, University of Bradford, Bradford, United Kingdom.

### 17.00–17.10
6. **056 (Poster 252)** Follicle dermal papilla cells undergo chromatin remodelling processes in vivo and in vitro  
   - F Carrasco, A Gilmore, V Botchkareva and CA Jahoda  
   - Biosciences, Durham University, Durham, United Kingdom and Centre for Skin Sciences, University of Bradford, Bradford, United Kingdom.

### 17.10–17.20
7. **057 (Poster 259)** Immunohistochemical insight into the association between the collapse of immune privilege in the sweat gland and syringotropic immune cell infiltrates in collagen diseases  
   - Y Shimoda, Y Yamazaki and M Ohyama  
   - Department of Dermatology, Kyorin University School of Medicine, Mitaka, Japan.

### 17.20–17.30
8. **058 (Poster 266)** Glycogen metabolism and Cori cycle in human hair follicles  
   - K Figlak, R Paus and M Philpott  
   - Centre for Cell Biology and Cutaneous Research, Blizard Institute, School of Medicine and Dentistry, Barts and the London, Blizard Institute, QMUL, London, United Kingdom and Dermatology Res Ctr, Inst. Of Inflammation & Repair, University of Manchester, Manchester, United Kingdom.
CONCURRENT SESSION 7: INFLAMMATION, IMMUNITY & INFECTION 2

Date: Saturday 30 September 2017
Time: 09:00–10:30
Room: Europa Hall, 2nd floor
Chairs: Kilian Eyerich, Christina Zielinski

Program

09:00–09:10 059 (Poster 340) Peripheral nerves promote basophil infiltration via TLR2 in murine atopic-dermatitis-like inflammation
C Nakashima, A Otsuka and K Kabashima
Dermatology, Kyoto University, Kyoto, Japan

09:10–09:20 060 (Poster 293) Dendrification of amino acids that equip lipocalins with allergenic potential
DD Klaver, B Posch, A Geisler, N Reider, B Redl and C Heufler
Dermatology, Medical University of Innsbruck, Innsbruck, Austria and 1 Moli Bio, Medical University of Innsbruck, Innsbruck, Austria

09:20–09:30 061 (Poster 297) Treatment with KdpT ameliorated ongoing skin inflammation by inducing Treg but did not increase the susceptibility towards infection
N Miyckic, C Baumann, M Soberdt, C Abels, TA Luger and K Loser
1 Dept. Dermatol, Unv. of Münster, Münster, Germany and 2 Dr. August Wolff GmbH Co. KG, Bielefeld, Germany

09:30–09:40 062 (Poster 316) Universal Transcriptomic Analysis of Host-Microbiome Interactions in Psoriasis
T Furnholm, M Foo, L Reingold, K Shredden and A Johnston
1 Dermatology, University of Michigan, Ann Arbor, USA and 4 CSCAR, University of Michigan, Ann Arbor, USA

09:40–09:50 063 (Poster 296) High-dose immunoglobulin contains anti-idiotypic antibodies against BP-IgG
M Kamaguchi, H Iwata, H Murai, H Ujike, Y Kitagawa and H Shirama
1 Dermatology, Hokkaido University Graduate School of Medicine, Sapporo, Japan and 2 Oral Diagnosis and Medicine, Hokkaido University Graduate School of Dental Medicine, Sapporo, Japan

09:50–10:00 064 (Poster 320) ADAM10-induced Cleavage of Semaphorin 4D from Eosinophilic Contributates to Antibody Production in Bullous Pemphigoid
S Shen, Y He, D Tang, H Qiao and G Wang
Department of Dermatology, Xijing Hospital, Fourth Military Medical University, Xi’an, China

10:00–10:10 065 (Poster 321) Human skin-resident innate-like T cells in health and disease
R Wooll, O Nussbaum and A Hayday
1 St John’s Institute of Dermatology, King’s College London, UK, London, United Kingdom, 2 Department of Immunobiology, King’s College London, UK, London, United Kingdom and 3 Francis Crick Institute, London, United Kingdom

10:10–10:20 066 (Poster 298) Fli1-deficient adipocytes promote the spontaneous development of dermal fibrosis and vasculopathy mimicking systemic sclerosis through adipocytes-to-myofibroblast transdifferentiation and defective vasculogenesis
T Miyagawa, Y Asano, R Saigusa, K Nakamura, M Hirabayashi, T Yamashita, S Miura and T Taniguchi
1 A Yoshizaki, M Takiyama and S Sato
Dermatology, University of Tokyo Graduate School of Medicine, Tokyo, Japan and 2 Boston University School of Medicine, Boston, USA

CONCURRENT SESSION 8: CLINICAL OUTCOMES

Date: Saturday 30 September 2017
Time: 09:00–10:30
Room: Mozart Hall 1+2+3, Ground Floor
Chairs: Hervé Bachelez, Marjan Garmyn

Program

09:00–09:10 067 (Poster 011) Pediatric cancers in neurofibromatosis type 1
S Peltonen, R Matti, R Kallionpää, P Peltonen and P Peltonen
1 Dept. of Dermatol, Univ. of Turku and Turku Univ. Hosp., Turku, Finland, 2 Finnish Cancer Registry, Helsinki, Finland and 3 Inst. of Biomedicine, Univ. of Turku, Turku, Finland

09:10–09:20 068 (Poster 203) Preliminary therapeutic target validation of the IL-36 receptor in psoriasis
S Kanerva, M Peckman, R Trembeth, J Wright, B Barker and F Capon
1 King’s College London, London, United Kingdom and 2 Bradford Royal Infirmary, Bradford, United Kingdom

09:20–09:30 069 (Poster 033) Eosinophil Cationic Protein (ECP), a predictive marker of bullous pemphigoid severity and outcome
D Giusti, G Gatouillat, S Le Jan, J Pile, P Bernard, FD Antonicelli and B Pham
1 Dermatology, University of Reims Champagne-Ardenne, Reims, France, 2 Immunology, Reims University Hospital, Reims, France and 3 Dermatology, Reims University Hospital, Reims, France

09:30–09:40 070 (Poster 019) Distinct clinicopathologic and radiological manifestations of the skin, lung, and muscle diseases in patients with dermatomyositis positive for anti-aminoacyl tRNA synthetase antibodies
H Fukumatsu, Y Hira, T Kaji, S Morizane, Y Yokoyama, T Hamada, T Oono and K Kawabata
1 Dermatology, Okayama University Graduate School of Medicine and Dentistry, Okayama, Japan and 2 Dermatology, Okayama Red Cross Hospital, Nita-Ku Okayama, Japan

09:40–09:50 071 (Poster 007) Sustained Response Following Withdrawal of Guselkumab
K Iwatsuki, L Reingold, A Geisler, B Redl, A Johnston and A Hayday
1 Dermatology, Okayama University Graduate School of Medicine and Dentistry, Okayama, Japan and 2 Francis Crick Institute, London, United Kingdom

09:50–10:00 072 (Poster 002) Switching treatments of etanercept biosimilar GP2015 with originator product does not impact efficacy, safety and immunogenicity in patients with chronic plaque-type psoriasis
CE Griffiths, K Reich, D Thaci, S Gorodes, P Aerniberger, K Kingo, J Weglowksa and H Woelhing
1 University of Manchester, Manchester, United Kingdom, 2 Dermatologikum Hamburg, SCilernm GmbH, Hamburg, Germany, 3 University Hospital Schleswig-Holstein, Lübeck and Kiel, Germany, 4 Charles University, Prague, Czech Republic, 5 Tartu University Hospital, Tartu, Estonia, 6 Sapital Specjalistycznyc we Wroclawu, Wroclaw, Poland and 7 HEXAL AG/Sandoz, Holzkirchen, Germany

10:00–10:10 073 (Poster 004) Patients with hidradenitis suppurativa have a high psychiatric disease burden: A Finnish nationwide registry study
L Huilaja, J Tiri, J Jokelainen, M Timonen and K Tasanen
1 Department of Dermatology, University of Oulu, Oulu, Finland and 2 Center for Life Course Epidemiology and Systems Medicine, University of Oulu, Oulu, Finland

10:10–10:20 074 (Poster 527) Safety dose and prediction of immune-related adverse event of nivolumab combined with IFN-beta in patients with advanced melanoma
T Fujimura, Y Kambayashi, S Furudate, T Hida, K Tanita, Y Sato and S Alba Dermatology, Tohoku University, graduate school of medicine, Sendai, Japan
**SATURDAY**

**CONCURRENT SESSION 9: WOUND HEALING & TISSUE REMODELLING**

**Date:** Saturday 30 September 2017  
**Time:** 09:00–10:30  
**Room:** Mozart Hall 4+5, Ground Floor  
**Chairs:** Maria José Escamez, Paola Zigrino

**Program**

**09.00–09.10**  
**075 (Poster 671) Comprehensive analysis on HMGBl-induced circulating cells during cutaneous tissue regeneration**  
T Shimo, M Nishida, T Kitayama, R Yamamoto, T Takaki, Y Kikuchi, Y Kaneda and K Tamai  
1 Stem Cell Therapy, Osaka University, Suita, Japan, 1 Genoxia Co., Ltd., Ibaraki, Japan and 3 Gene Therapy Science, Osaka University, Suita, Japan

**09.10–09.20**  
**076 (Poster 674) Discoidin domain receptor 2 signaling regulates matrix remodeling in human skin dermal fibroblast**  
Y Shiomi, S Matsukuma, S Ishiwatari and T Sakurai  
Fancl Research Institute, Yokohama, Japan

**09.20–09.30**  
**077 (Poster 302) A novel population of skin-tropic T cells with a potential role in wound healing**  
MM Kliznizk, T Duhen, S Motey, B Hoellbach, A Sir, R Reitsamer, EM Murauer, DJ Campbell and IK Gratz  
1 Molecular Biology, University of Salzburg, Salzburg, Austria, 1 Benaroya Research Institute, Seattle, WA, 1 Breast Center, University Hospital Salzburg, Salzburg, Austria and 1 EB House Austria, Paracelsus Medical University, Salzburg, Austria

**09.30–09.40**  
**078 (Poster 663) Differential roles of atypical protein kinase C isoforms in wound healing**  
S Osada, N Noguchi, T Hirose, T Suzuki, M Kagaya, K Chida, S Ohto and M Manabe  
1 Department of Dermatology & Plastic Surgery, Akita University Graduate School of Medicine, Akita, Japan, 1 Department of Molecular Biology, Yokohama City University Graduate School of Medicine, Yokohama, Japan and 1 Department of Animal Resource Sciences, Graduate School of Agricultural and Life Sciences, The University of Tokyo, Tokyo, Japan

**09.40–09.50**  
**079 (Poster 660) Comparison of microRNAome of human normal and chronic wounds reveals microRNA-17~92 is critical for wound repair**  
D Li, E Wikstrom, E Hertes, E Li, A Pivarcsi, E Sonkoly, M Stähle, Q Mi and L Zhou  
1 Department of Medicine, Karolinska Institutet, Stockholm, Sweden and 1 Henry Ford Health System, Detroit, USA

**09.50–10.00**  
**080 (Poster 659) Long non-coding RNA WANC1 regulates skin wound healing by enhancing keratinocytes migration**  
D Li, E Hertes, L Xu, A Wang, E Wikstrom, E Sonkoly, A Pivarcsi, M Stähle and N Xu Landén  
1 Department of Medicine, Karolinska Institutet, Stockholm, Sweden, 1 Unit of Dermatology and Venerology, Karolinska University Hospital, Stockholm, Sweden and 1 Department of Dermatology, The Second Affiliated Hospital of Dalian Medical University, Dalian, China

**10.00–10.10**  
**081 (Poster 664) Thrombospondin 1 is a major activator of TGF-beta in Recessive Dystrophic Epidermolysis Bullosa**  
VS Atanasova, R Russell, TG Webster, J Salei and A South  
1 Dermatology and Cutaneous Biology, Thomas Jefferson University, Philadelphia, USA and 1 Dermatology, University of Monterrey, Monterrey, Mexico

**10.10–10.20**  
**082 (Poster 662) Deletion of Notch signalling in the vasculature accelerates Endothelial to Mesenchymal Transition in skin wound healing**  
J Patel, B Baz, H Wong, JS Lee and K Khosrotehrani  
1 Diamantina Institute, The University of Queensland, Woolloongabba, QLD, Australia

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**2017 EADV Guest Lecture**

**MICHAEL HERTL**  
Professor and Chairman, Department of Dermatology and Allergology, Philippus University Marburg, Germany  

**Date:** Saturday 30 September 2017  
**Time:** 11.35–12.05  
**Room:** Europa Hall, 2nd floor  
**Lecture Title:** Autoimmune bullous disorders – translational insights  
**Introduced by:** Luca Borradori

The major focus of the Hertl lab is to characterize the immunological network leading to T cell dependent B cell activation, and eventually, autoantibody production in autoimmune bullous skin disorders and related diseases. Based on our improved understanding of the pathogenesis of pemphigus and the pemphigoids, novel targeted strategies, including immunoadsorption and rituximab, have been introduced into the therapeutic armamentarium of these potentially lethal and hard-to-treat-disorders. Our improved knowledge of various cutaneous autoantigens which may serve as targets in clinically unrelated inflammatory skin disorders has helped to understand the effector function of distinct T cell subsets involved in these inflammatory processes. Overall, also rare, pemphigus and pemphigoid, are increasingly recognized as model diseases of autoantibody-related autoimmunity in general.
EADV/ESDR CLINICAL SATURDAY LECTURES

Date: Saturday 30 September 2017,
Time: 12.10–13.40
Room: Europa Hall, 2nd floor
Chairs: Menno de Rie, Martin Röcken

About Clinical Saturday
To increase the exchange between basic scientists and clinicians at the annual meeting, the ESDR includes „Clinical Saturday“ as part of the regular program. By offering Clinical Saturday lectures, the EADV Guest Lecture and industry sponsored symposia, the ESDR hopes to make the meeting as attractive for clinicians as it always has been for basic scientists. Clinical Saturday 2017 is run in association with the European Academy for Dermatology and Venereology (EADV).

12.10–12.40
Unmet Needs: Neglected Niches for Dermatology Research
Georg Stingl (Vienna, Austria)

12.40–13.10
Therapy-relevant Research for Rare Genetic Skin Disorders
Edel O’Toole (London, UK)

13.10–13.40
Vitiligo: From Pathogenesis to New Therapeutic Targets
Julien Seneschal (Bordeaux, France)
SKIN EPIGENETICS

Date: Saturday 30 September 2017
Time: 14.00–17.00
Room: Mozart 1+2+3, Ground Floor
Chairs: Salvador Aznar Benitah (Barcelona) and Vladimir Botchkarev (Bradford/Boston)

Program

14.00–14.05 Introductory remarks
Salvador Aznar Benitah (Barcelona) and Vladimir Botchkarev (Bradford/Boston)

14.05–14.35 Opening Keynote Lecture
Michaela Frye (Cambridge)

14.35–14.55 Epigenetic mechanisms regulating epidermal homeostasis and cancer
Salvador Aznar Benitah (Barcelona)

14.55–15.15 Polycomb genes
Elena Ezhkova (New York)

15.15–15.30 Cbx4 in the control of wound healing
Andrei Mardaryev (Bradford)

15.30–15.45 Mechanisms of long non-coding RNA-mediated control of epidermal homeostasis
Markus Kretz (Regensburg)

15.45–16.00 Ultra-conserved non-coding transcript T-UC291 controls keratinocyte differentiation by interfering with ACTL6A
Eleonora Candi (Rome)

16.00–16.15 Transcription factor p63, a master regulator of the enhancer landscape during epidermal differentiation
Jo Zhou (Nijmegen)

16.15–16.30 Biomechanical regulation of nuclear architecture in keratinocytes
John Connelly (London)

16.30–16.45 Boosting autophagy: potential anti-aging therapy
Karima Djabali (Munich)

16.45–17.00 Concluding remarks
Salvador Aznar Benitah (Barcelona) and Vladimir Botchkarev (Bradford/Boston)

INNOVATION AND ENTREPRENEURSHIP IN SKIN SCIENCE

Date: Saturday 30 September 2017
Time: 14.00–17.00
Room: Mozart Hall 4+5, Ground Floor
Chairs: Michel Gilliet and Chris Griffiths

Supported by:
LEOSCIENCE & TECHHUB

Program

14.00–14.15 Advancing Innovation in Dermatology
William Ju (New York, USA)

14.15–14.30 Teaching Young Dermatologists and Skin Scientists to become Entrepreneurs – The Magic Wand Project
Lilit Garibyan (Boston, USA)

14.30–14.45 IP as a Platform for Innovation: Why, How and When Should I Protect my Data
Rich Ferrie (Manchester, UK)

14.45–15.00 Innovation in Pharma
Michael Sierra (LEO Science and Tech Hub, Cambridge, USA)

15.00–15.45 My Personal Experience in Creating a Start-Up
Colin Jahoda (Durham, UK), Carlo Pincelli (Modena, Italy), Cath O’Neill (Manchester, UK)

15.45–16.15 Panel Discussion and Q&A

16.15–17.00 Networking
PRINTED POSTERS
Poster Board and Material
The maximum size of your poster should be 120 cm (height) 90 cm (width). Posters should be in Portrait/Vertical format. Your poster number will be displayed with large printed figures on the poster board. Your poster material should be attached on the surface by material provided by the ESDR meeting staff in the poster area.

Poster Exhibition
Posters will be displayed for the duration of the meeting. Presenters must stand with their posters during formal viewing sessions.

Installation and Removal
• Printed posters must be installed on Wednesday 27 or Thursday 28 September (poster areas open at 09.00). If you have used ESDR's poster printing service, please collect your poster from the registration desk.
• Please remove your poster by 17.00 on Saturday 30 September. Posters remaining after this time will be destroyed.

ELECTRONIC POSTERS
All 2017 ESDR posters will be available for viewing throughout the meeting at the Electronic Poster Kiosks. This area contains 20 large screens and is only available for poster viewing (no Internet connection). The Electronic Poster technology enables fast browsing/search and a facility to contact ESDR meeting staff in the poster area.

Installation and Removal
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ESDR Poster Prizes
The ESDR Poster Prizes ceremony takes place on Saturday, 30 September in Europa Hall between 13.45–14.00 as a part of the Closing ceremony.

Sponsored by:

Bristol-Myers Squibb

POSTER WALKS
Those presenters selected for a Poster Walk should assemble in front of the indicated kiosk at the start of each Poster Walk Session. The walk leaders will moderate the sessions and each presenter should be prepared to present his/her electronic poster from a tablet computer connected to a large screen (microphone available). Please ensure you have submitted your electronic poster ahead of the meeting!

Expect to speak for 3-4 minutes and answer a couple of questions from the group.

These sessions are open to all delegates so even if you are not presenting, please feel free to join a group.

More information about poster walks can be found on the following pages as well as on the ESDR 2017 website.

Sponsored by:

almirall

CASTLE CREEK PHARMA

life-changing health
ACCOMMODATION
Should you need any help with accommodation please contact our staff at the Registration desk.

AIRPORT
Salzburg Airport W.A. Mozart is located 20 minutes from the city centre. There are good connections between the airport and the city centre by public transport – buses and taxis; The bus line no 2 goes daily every 10/20 minutes between Salzburg main railway station and the airport. Sundays and public holidays every 20 min. Journey time approx. 20 min.
The bus line no 10 (Mon-Sat) every 10 minutes from the airport via Salzburg city centre (15 min) to Salzburg-Sam.
The bus line no 27 goes daily every 15/20 minutes from the airport via Wals/Viehhausen to the railway station. Journey time approx. 40 min. See the bus time tables here.
A taxi stand can be found both directly in front of Salzburg main railway station and the airport terminal taking you directly to the check-in desks.

CASH POINTS
Credit Suisse AG,
Address: Rainenstraße 2, 5020 Salzburg
2-minute walking distance
DenizBank AG
Schallmoosere Hauptstraße 10, 5020 Salzburg
10-minute walking distance

CERTIFICATE OF ATTENDANCE
All registered delegates present on site are entitled to receive a Certificate of Attendance. Certificates will be emailed to all on-site registered delegates after the meeting.

CITY OF SALZBURG
Plan your visit and find more info at https://www.salzburg.info/en.

CLIMATE
Salzburg is a city with a mild continental climate. The average temperature in September varies around 20°C. Umbrellas maybe useful.

CLOAKROOM
A cloakroom is located on the ground floor next to the registration, the service is provided free of charge to all registered participants.

COFFEE BREAKS
Coffee breaks (included in the registration fees) will be served on the ground floor foyer and in the exhibition area (1st floor).

CURRENCY/EXCHANGE
Austria is a member of the Economic and Currency Union and the common currency is the Euro. Exchange offices are located all at the airport and around the city centre (exchange offices, banks). Always check the terms and conditions in exchange offices. Never exchange money at the street.

DISCLAIMER
The ESDR Organisers have taken all reasonable care in making arrangements for the Meeting, including accommodation. In the event of unforeseen disruptions, neither ESDR nor the ESDR Meeting Organiser nor their agents can be held responsible for any losses or damages incurred by delegates. The programme is correct at the time of printing, but organisers reserve the right to alter the programme if and when deemed necessary. The ESDR Meeting Organisers act as agents only in securing hotels, transport and travel services and shall in no event be liable for acts or omissions in the event of injury, damage, loss, accident, delay or irregularity of any kind whatsoever during arrangements organised through contractors or by the employees of such contractors. Hotel and transportation services are subject to the terms and conditions under which they are offered to the general public. Delegates should make their own arrangements with respect to personal insurance. The ESDR Meeting Organisers reserve the right to make changes as and when deemed necessary without prior notice to the parties concerned.

DOCTOR / FIRST AID
Gemeinnützige Salzburger Landeskliniken Betriebsges.m.b.H LKH – Landesklinikum is within a 10-minute walking distance from the venue.
Address: Müllner Hauptstraße 48, 5020 Salzburg
Tel: +43 57 2550

EMERGENCY CALL
General emergency 112
Police 133
Fire Department 122
Medical Service 141

EXHIBITORS
Exhibition is located on the 1st floor and all exhibitors are listed in the programme. Exhibition opening hours are following:

- Thursday, 28 September 10:00–17:00
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ELECTRICITY
The electricity used in Austria is 220 Volts / 50 Hz (Type E French 2-pin electrical adapter plug and electrical outlet identified by two round pins spaced 19 mm apart with a hole for the socket’s male grounding pin. Type E outlet will also accept Type C plugs and Type E plugs will also work in Type F sockets. A transformer is necessary for your electrical and electronic equipment if using different voltage (ie USA, Canada).

INFORMATION DESK
The registration staff will be happy to help you with questions you may have with regards to the meeting or any other matters.

INSURANCE AND LIABILITY
The Organisers will accept no liability for personal injuries sustained by or for loss or damage to property belonging to meeting participants, accompanying persons either during or as a result of the meeting or during all tours and events. Upon registration participants accept this proviso. Participants are strongly recommended to seek insurance coverage for health and accident, lost luggage and trip cancellation.

INTERNET
There is free Wi-Fi internet connection available. Network name: ESDR 2017 with no password.

LAW ENFORCEMENT
Police
Address: Scharfengasse 18, 5020 Salzburg
Tel: 0662-800-892813

LOST & FOUND
A lost and found service is available at the information desk at the registration. Please hand in all found items and ask for lost items at the Information Desk.

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PROGRAMME CHANGES

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REGISTRATION OPENING HOURS

Wednesday 27 September 9:00–18:30
Thursday 28 September 7:30–18:30
Friday 29 September 8:00–18:30
Saturday 30 September 8:30–17:00

REGISTRATION DESK

The registration desk is located on the ground floor of the venue.

RESTAURANTS – AUSTRIAN CUISINE

Austrian cuisine is a style of cuisine native to Austria and composed of influences from throughout the former Austro-Hungarian Empire. Regional influences from Italy, Hungary, Bohemia, Germany and the Balkans have had an effect on Austrian cooking, and in turn this fusion of styles was influential throughout the Empire. In Salzburg, Kasnoken (cheese dumplings) are a popular meal, as are freshwater fish, particularly trout, served in various ways. Salzburger Nockerl (a meringue-like dish) is a well-known local dessert.

Breweries

Salzburg is generally regarded as the beer capital of Austria. Ten breweries in and around the city reflect the impressive variety of opportunities available to beer aficionados. From “top dog” Stegl and venerable Augustiner Bräu Kloster Münst, to the Weissbierbrauerei and those microbreweries at inns that produce only for their own guests, Salzburg gives you the perfect opportunity to experience the multifaceted world of “amber nectar”.

SHIPPING

Most shops in Salzburg are open from 8:00 to 17:00, Monday through Saturday, and closed on Sunday.

SMOKING POLICY

Please note that smoking is not permitted anywhere within the venue. Smoking is currently not prohibited in all restaurants, bars, and pubs, however is prohibited in bus/train stops.

SPEED DATING

Delegates can meet with academics or industry representatives in pre-arranged meetings by the ESDR in Speed Dating sessions on Friday 29 September. More information is available on the meeting website or at the ESDR booth.

TIPPING

In Austria, many restaurants include tax and a service charge in their bills, and it is customary to round up the total when paying. Taxi drivers usually receive an extra 10 percent over the meter fare.

TRANSPORTATION IN SALZBURG

Salzburg boasts an environmentally-friendly bus system that includes electric trolleybuses running on overhead powerlines. Tickets for the Salzburg public transportation system (“SVW”) - both single-trip as well as 24-hour - within the so-called “core-zone”, are cheaper when you buy them in advance. Practically all “Trafik” kiosks carry tickets for public transportation. The 24-hour ticket is a very inexpensive option, allowing you to use the city’s entire public transportation network. Public transportation is included on the Salzburg Card (bus lines 1-14; Obuslinien 1–14; bus lines “Fa. Albus”; Citybus A, lines 20-28, 34, 35, 151; on Salzburger Lokalbahn trains as far as the Acharting halt).

Bike Rental

Salzburg is one of the most cyclist-friendly cities in Austria. A perfect network of bike paths and outstanding infrastructure excite you with the prospect of exploring the City of Mozart and its countless green spaces by bicycle.

VENUE

The Salzburg Convention Center is located in the heart of the city, next to the “Mirabellgarten” and adjacent to the Sheraton hotel. Many other hotels are to be found within walking distance.

Address:
Salzburg Convention Center
Auerangstrasse 6
5020 Salzburg Austria
Phone: +43662-889870
www.salzburgcongress.at

PARKING

Mirabell Congress underground car park
(entrance via Mirabellplatz, 2 minutes walking to the Convention Center)

Sheraton Salzburg underground car park
(entrance via Auerangstrasse, 1-minute walking to the Convention Center)

PHARMACY

The nearest pharmacy is within 4-minute walking distance from the venue.

Salzburger Apotheke
Mirabellplatz 5, 5020 Salzburg
Tel: +43 662 871411
Opening hours: Mon–Thu 8:00–18:00, Fri–Sat 8:00–12:00, Sunday CLOSED

POSTERS

All posters are to be presented in respective sessions and rooms. For more information about posters please see pages 64–67.

PRESENTATIONS – SPEAKER’S PREVIEW ROOM

Please hand in your presentations to the technician in the Speakers’ Preview Room located in the mezzanine of the 1st floor. Please make sure to hand in your presentation at least 2 hours prior to the start of your assigned session. Our staff in the room will be happy to assist you. The opening hours are the same as the ones of the registration.

PROGRAMME CHANGES

The Organisers cannot assume liability for any changes in the programme due to external or unforeseen circumstances.

MEETING ORGANISERS

LOCAL ORGANISING COMMITTEE

Johann Bauer, Salzburg (Chair)
Martin Lamer, Salzburg
Roland Lang, Salzburg
Verena Alghirim-Siess, Salzburg
Julia Reichelt, Salzburg
Thomas Ruzicka, Munich
Tilo Biedermann, Munich
Georg Stiegel, Vienna
Peter Petzeilbauer, Vienna
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Peter Wolf, Graz
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Sandrine Dubrac, Innsbruck
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Marta Szell
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Marta Szell

ROBERT GRAHBER, INNSBRUCK

ESDR OFFICE

Marta Szell
Thomas Werfel
Lionel Laxer
Thomas Werfel
Marta Szell

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ROBERT GRAHBER, INNSBRUCK
ESDR HONORARY MEMBERS AND AWARDS

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<th>YEAR</th>
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<td>2017</td>
<td>Sarolta Kárpáti (Hungary)</td>
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<td>Jens-M Schröder (Germany)</td>
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<td>Ronald Marks (UK)</td>
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<td>Hiroshi Shinizu (Japan)</td>
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<td>Thomas Krieg (Germany)</td>
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CURRENT ESDR EXECUTIVE COMMITTEE AND BOARD

Executive Committee

President
Matthias Schmutz, Innsbruck

President elect
Michel Gilliet, Lausanne

Secretary-treasurer
Michel Gilliet, Lausanne

Secretary-treasurer elect
Chris Griffiths, Manchester

Past-president
Jonathan Barker, London

Board members
Salvador Aznar-Benítez, Barcelona
Hervé Bachelez, Paris
Menno De Rie, Amsterdam


2018 International Investigative Dermatology
Orlando, Florida, USA
16–19 May 2018

2019
49th Annual ESDR Meeting
Bordeaux, France
18–21 September 2019

2020
50th Annual ESDR Meeting
Amsterdam, The Netherlands
2–5 September 2020

ESDR PATRON MEMBERS

ESDR Patron Members support the society through increased annual membership dues. The ESDR would like to thank the following Patron Members for their valuable support.

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Martine Bagot
Jonathan Barker
Johann Bauer

Zuzanna Bata-Csorgo
Tilo Biedermann
David R Bickers
Leena Bruckner-Tuderman

Alexander Erik
Lars E French
Peter S Friedmann
Olivier Gaide

Michel Gilliet
Giammaria Giuliani
Christopher E.M. Griffiths
Russell P. Hall

Eugene Healy
Alain Hovnanian
Gail Jenkins
Roland Kaufmann

David Kelsell
Thomas Krieg
E Birgit Lane

Arthi Lauzerna
Lotus Mallbris
### PAST OFFICERS OF THE ESDR BOARD

<table>
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<tr>
<th>YEAR</th>
<th>PRESIDENT</th>
<th>SECRETARY</th>
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Floor 2

European Hall (Auditorium)

E-posters (1-9)

E-posters (10-12)

Floor 3

European Hall (Auditorium)

E-posters (13–20)

European Hall (Balcony)
We invite all ESDR2017 delegates to visit Patient Group representatives at their tables in the Exhibition Area. The Patient Groups represented are:

- European Network for Ichthyosis (ENI)
- Pachyonychia Congenita Project

Exhibitor:
1. FibroTx
2. ImaBiotech
3. TissueGnostics
4. European Society for Dermatological Research (ESDR)
5. Genoskin
6. Biotest

Patient Groups:
We invite all ESDR2017 delegates to visit Patient Group representatives at their tables in the Exhibition Area. The Patient Groups represented are:
- European Network for Ichthyosis (ENI)
- Pachyonychia Congenita Project
The aim of the website is to disseminate knowledge about genetic disorders and to improve their diagnosis, treatment and care. There is a free access area for patients and general public and restricted access for professionals giving additional information on the diseases.

Geneskin is part of the European Reference Network for “rare and undiagnosed skin diseases”

This website is supported by the EDF
May 16-19, 2018

IID 2018
International Investigative Dermatology

Rosen Shingle Creek Resort
Orlando, Florida

www.IID2018.org