Program Book 

# 50th Annual ESDR Meeting VIRTUAL

22-25 September 2021



#### **ACKNOWLEDGEMENTS**

New advances in immunology and dermatology will be released by major pharma companies at the annual ESDR meeting. We would like to thank our industry partners for their continued support and for their outstanding contribution to the event.

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#### **ESDR 2021 SCHOLARSHIPS**

**ESDR 2021 Scholarships are kindly supported by** 



#### **PATIENT ORGANISATIONS**

**ESDR 2021 Patient Organisations initiative is kindly supported by** 





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

ESDR is pleased to welcome the following Patient Organisations to the ESDR 2021 virtual event:







**GENESPOIR** 

**EUROPEAN NETWORK FOR ICHTHYOSIS** 





**ORGANIZATIONS** 



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# 51<sup>st</sup> Annual ESDR Meeting 28 September – 1 October 2022 Amsterdam



www.esdrmeeting.org

#### **WELCOME**

# Welcome to ESDR 2021

#### Welcome to FSDR 2021

The ESDR facilitates and drives initiatives to encourage high quality science, discussion, education and mentoring for our future leaders in skin science. One way of delivering this mission is through our annual scientific meeting of the ESDR which, over the last decades, has become the platform for both basic and clinical scientists to discuss and exchange new findings and ideas in skin science and dermatological research.

This year's ESDR meeting is very special since we are celebrating the 50<sup>th</sup> anniversary of the ESDR, which was founded in Amsterdam. Due to COVID19 and travel restrictions we cannot meet in person but will be presenting this 50<sup>th</sup> Annual Anniversary ESDR meeting virtually. It is our strong intention to return to face-to-face events in 2022 and to host the ESDR meeting in the birthplace of our Society.

The meeting program will reflect the history of the ESDR with 5 ESDR Anniversary Lectures. In addition to our usual program and poster sessions there will be Keynote Lectures, the Rudi Cormane, René Touraine, EADV and ESPD Lectures delivered by reknowned researchers from all over the globe. Our Future Leaders have organized another exciting symposium, mixing science with technology and art. Furthermore, we have special interest groups holding satellite meetings on psoriasis, eczema and the skin barrier. We also bring together academia and biopharma in dedicated sessions to discuss new ideas in target discovery and clinical translation and we also warmly welcome patients' organizations at our meeting.

We would like to encourage both basic and clinical researchers to join our 50<sup>th</sup> Anniversary Meeting. Thanks to the Program Committee and ESDR Board for organizing this interesting and enjoyable event.

Márta Széll ESDR President 2020–2021

Menno de Rie Chair Local Organizing Committee, ESDR 2022



**Márta Széll** ESDR President



Menno de Rie

### ESDR KITCHEN LIVE WEBINARS

Every second Wednesday at 13.30 (CET), ESDR runs live, moderated webinar. One theme out of the following will be cooked during each webinar











#### **OVERVIEW**

# Complete Daily Program Overview

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#### **COMPLETE DAILY PROGRAM OVERVIEW**

#### **Wednesday 22 September 2021**

Time	Session
10.00-12.00	Future Leaders Symposium (Part 1)
13.00–15.00	Future Leaders Symposium (Part 2)
13.00–14.30	International Eczema Council
13.00–17.30	E2BRN
16.00–18.00	International Psoriasis Council

#### **Thursday 23 September 2021**

Time	Session
09.00-09.15	Opening Ceremony
09.15–09.35	50 Years ESDR Anniversary Lecture 1: John McGrath
09.35–10.00	Rudi Cormane Lecture: Matthias Schmuth
10.00–10.25	ESDR 2021 Keynote Lecture: Fiona Watt
10.30–10.50	50 Years ESDR Anniversary Lecture 2: Carien Niessen
10.50–11.40	Plenary Session 1
11.40–12.05	Rene Touraine Lecture: Thomas Bosch
12.10–13.10	Concurrent Session 1: Epidermal Structure and Function
12.10–13.10	Concurrent Session 2: Adaptive Immunity and Autoimmunity
12.10–13.10	Concurrent Session 3: Wound Healing and Tissue Remodelling
13.15–14.30	Galderma Symposium
13.15–14.30	Incyte Symposium
13.15–14.30	Janssen Symposium
14.40–16.00	Poster Walks & General Poster Viewing
16.00–16.30	ESDR 2021 Keynote Lecture: Anthony Oro
16.30–18.00	Drug Discovery & Translational Medicine
18.30–19.30	Sanofi Symposium

#### Friday 24 September 2021

Time	Session
08.15–09.15	Biotest Symposium
08.15–09.15	Boehringer-Ingelheim Symposium
09.20–09.40	50 Years ESDR Anniversary Lecture 3: Peter van de Kerkhof
09.40–10.00	EADV Guest Lecture: Tamar Nijsten
10.00–10.25	ESDR 2021 Keynote Lecture: Caroline Robert
10.30–10.50	50 Years ESDR Anniversary Lecture 4: Martin Röcken
10.50–11.40	Plenary Session 2
11.40–12.05	ESDR 2021 Keynote Lecture: Valter Longo
12.10–13.10	Concurrent Session 4: Melanoma and Other Skin Cancers
12.10–13.10	Concurrent Session 5: Innate Immunity and Inflammation
12.10–13.10	Concurrent Session 6: Genetics, Stem Cells, Skin Appendages and Tissue Regeneration
13.15–14.30	Bristol-Myers Squibb Symposium
13.15–14.30	Pfizer Symposium
13.15–14.15	UCB Symposium
14.40–16.00	Poster Walks & General Poster Viewing
16.00–16.35	Honorary Membership Awards
16.35–17.30	ESDR Annual General Meeting of Members

#### **Saturday 25 September 2021**

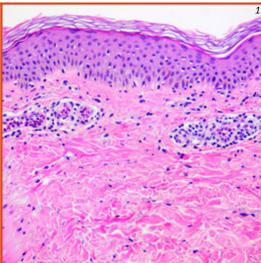
Time	Session
09.20-10.20	Concurrent Session 7: Photobiology and Cell Biology
09.20–10.20	Concurrent Session 8: Clinical Research and Epidemiology
10.25–11.30	Clinical Saturday
11.40–12.00	50 Years ESDR Anniversary Lecture 5: Sara Brown
12.00–12.20	ESPD Lecture: Christine Bodemer
12.20–13.10	Plenary Session 3
13.10–13.30	Poster Prizes and Closing Ceremony



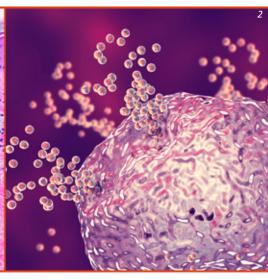




Exploring the Role of Type 2 Inflammation in Dermatologic Diseases



Thursday, Sept 23, 2021 6:30–7:30pm CEST



Faculty

Mark Boguniewicz (USA), Ana Maria Giménez-Arnau (Spain), Marcus Maurer (Germany)

'Éarly Urticaria' histologic image courtesy of Patricia Muñoz-Hernández, M.D. Source: PathologyOutlines.com
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#### **AGENDA**

2 mins	Introduction  Mark Boguniewicz (Chair)
15 mins	The Role of Type 2 Inflammation in the Pathophysiology of Atopic Dermatitis  Mark Boguniewicz
15 mins	Pruritic Dermatoses with a Type 2 Inflammation Component Marcus Maurer
15 mins	Type 2 Inflammation as a Therapeutic Target in Dermatologic Diseases  Ana Maria Giménez-Arnau
13 mins	Live Q&A All Faculty

Join our Symposium at ESDR Virtual Meeting 2021 at esdrmeeting.org

**STAY IN THE KNOW ABOUT THE EVOLVING SCIENCE OF TYPE 2 INFLAMMATION.** Access medical education resources developed in collaboration with world-renowned experts. Learn more at **www.ADVENTprogram.com** 



DETAILED SCIENTIFIC PROGRAM

# Wednesday

22 September 2021

#### Wednesday 22 September 2021

10.00-11.30 - Part 1 / 13.00-15.00 - Part 2

#### **Future Leaders Symposium Visual Storytelling in Research: How to Present Science** to a Global Audience

Chairs: Katia Boniface (Bordeaux), Tiago R Matos (Amsterdam)

This session is supported by







Time	
	Part 1: Technology and Science
10.00–10.10	Welcome and Introduction Katia Boniface (Bordeaux)
10.10–11.00	Metastasis and Dietary Fatty Acids: Mechanisms and Therapeutic Opportunities Salvador Aznar-Benitah (Barcelona)
11.00–11.15	Imaging Mass Cytometry and its Applications in Dermatological Research Qing-Sheng Mi (Detroit, USA)
11.15–11.30	Communicating Scientific Research through Social Media Platforms Roxana Daneshjou (Stanford, USA)
	Part 2: Art and Science
13.00–13.10	Welcome and Introduction Tiago R Matos (Amsterdam)
13.10–13.55	Developing Collaborations between Artists and Scientists Henry de Vries (Amsterdam), Nadine Botha (Amsterdam)
13.55–14.25	Breakout Sessions on Developing Collaborations
14.25–14.45	Presentation of Results from Breakout Sessions
14.45–15.00	Visual Literacy and the Blending of Art and Science Chris Griffiths (Manchester)



13.00-14.30

#### **Human Models of Atopic Dermatitis**

Chairs: Nick Reynolds (Newcastle-Upon-Tyne), Kilian Eyerich (Munich)

This session is organised by



Time	
13.00–13.07	Welcome & Program Overview Nick Reynolds (Newcastle-Upon-Tyne, England)
13.07–13.18	Human Equivalent Models Bethany Perez White (Chicago, IL)
13.18–13.26	Genetic variation in Human models Sara Brown (Dundee, Scotland)
13.26–13.37	Environmental Exposures and Allergens Jacob P. Thyssen (Copenhagen, Denmark)
13.37–13.48	Human Models in vivo Kilian Eyerich (Munich, Germany)
13.48–13.58	Computational Models of Atopic Dermatitis Reiko Tanaka (London, England)
13.58–14.30	Panel Discussion Moderator: Nick Reynolds (Newcastle-Upon-Tyne, England)

#### Wednesday 22 September 2021

13.00-17.30

#### 1st Virtual E2BRN Live Event

Co-organizers: Julia Lachner; Yves Poumay

Thanks to great support: Johanna Brandner; Leopold Eckhart

This sessions is organised by European Epidermal Barrier Research Network



Time	
	Part 1: Chairs: Julia Lachner (Vienna) and Ryan O'Shaughnessy (London)
13.00–13.10	Get together and Welcome (program overview)
13.10–13.40	1st Keynote speaker: Linear deubiquitination is crucial for skin homeostasis by controlling keratinocyte death and stem cell identity Esther Hoste (Unit for Cellular and Molecular Pathophysiology, VIB-UGent Center for Inflammation Research, Ghent, Belgium)
13.40–13.50	Abstract #1: Increased BMP signaling correlates with increased eczema severity A.J. Hughes (London UK)
13.50–14.00	Abstract #2: The role of the low-temperature lipid phase transition in human skin permeability barrier P. Jancalkova (Hradec Králové CZ)
14.00–14.10	Abstract #3: Regulation of keratinocyte differentiation through aryl hydrocarbon receptor signaling involvesthe transient activation of TFAP2A F. Pardow (Nijmegen NL)
14.10–14.20	Abstract #4: Technical advance: bacterial colonization of 3D organotypic skin models for long term host-microbe interactions and microbiome intervention studies G. Rikken (Nijmegen NL)
14.20–14.40	Break and Refresher

#### Part 2: Chairs: Katerina Vavrova (Hradec Kralove) and Michel Simon (Toulouse) Abstract #5: Filaggrin knock-out in keratinocytes indicates a functional role in skin barrier formation 14.40-14.50 J. Smits (Nijmegen NL) Abstract #6: IL-2R/IL-4Rreceptor induced in keratinocytes by IL-4 and IL-13 in atopic dermatitis can alter 14.50-15.00 theepidermal barrier A. Progneaux (Namur BE) 15.00-15.10 Abstract #7: Evaluation of an anti-inflammatory dendrimer to topically treat psoriasis E. Clement (Toulouse FR) Abstract #8: Cutaneous imiquimod delivery efficiently assisted by phospholipid-based microemulsions 15.10-15.20 E. Panoutsopoulou (Hradec Králové CZ) 15.20-15.30 Abstract #9: The Effects of Antioxidant Trans-Resveratrol on an Atopic Eczema Epidermal Model in vitro I.M. Dijkhoff (Fribourg CH) 15.30-15.40 Abstract #10: Effect of barrier disruption and inflammation on skin lipids C. Jacques-Jamin (Toulouse FR) **Break and Refresher** 15.40-16.00 Part 3: Chairs: Ellen van den Bogaard (Nijmegen) and Yves Poumay (Namur) 16.00-16.10 Abstract #9: Single cell RNA seq revealed altered cytoskeletal dynamics and the formation of cytoplasmic RNA-Lamin A bodies during keratinocyte terminal differentiation D. Wotherspoon (London UK) 16.10-16.20 Abstract #10: Spontaneous formation of long periodicity phase in model membranes from human stratum corneum lipids I. Sagrafena (Hradec Králové CZ) 16.20-16.30 Abstract #11: Identification of keratinocyte mitogens: implications for hyperproliferation in psoriasis and atopic dermatitis H. Niehues (Nijmegen NL) 16.30-17.00 2<sup>nd</sup> Keynote speaker: Exploring the epidermal barrier at the 'stem' level Nicolas Fortunel (CEA, Genomics and Radiobiology of Keratinopoiesis Laboratory-Paris-Saclay University, France) 17.00-17.10 **Voting for the best Poster** 17.10-17.30 General discussion. Bye-bye & end of the Meeting

#### Wednesday 22 September 2021

16.00-18.00

## Research on SARS-CoV-2 during the COVID-19 Pandemic Crisis: An IPC Tribute to Young Researchers

Chairs: Hervé Bachelez (Paris), Johann Gudjonsson (Michigan)

This session is organised by



Time	
16.00	Welcome and introduction Hervé Bachelez (Paris)
16.05	Autoantibodies to type I IFNs in patient with life-threatening COVID-19 Paul Bastard (Paris)
16.25	B-cell responses to SARS-CoV-2 in the setting of COVID-19 infection and vaccination Zijun Wang (New York)
16.45	COVID-19 infection in psoriasis patients: Lessons from real-life registries Satveer Mahil (London)
17.05	Interactions between skin inflammatory diseases and COVID-19: Lessons from genomic epidemiology studies Matthew Patrick (Michigan)
17.25	Q & A and closing comments Johann Gudjonsson (Michigan)
17.55	Adjourn



# Thursday

23 September 2021

09.00-09.15

#### **Opening Ceremony**

Chairs: Chris Griffiths (Manchester), Marta Szell (Szeged), Leopold Echart (Vienna)



# **Thursday 23 September 2021**

09.15-09.30



John McGrath (London)

50 Years ESDR Anniversary Lecture 1: Discovery and recovery for genetic skin diseases

Chairs: Chris Griffiths (Manchester), Marta Szell (Szeged)

09.35-10.00



Matthias Schmuth (Innsbruck)

Rudi Cormane Lecture: Skin barrier in genetic skin disorders

Chairs: Chris Griffiths (Manchester), Marta Szell (Szeged)

# **Thursday 23 September 2021**

10.30-10.50



# **Thursday 23 September 2021**

10.00-10.25



Fiona Watt (London)

**ESDR 2021 Keynote Lecture: Understanding human epidermis at single cell resolution** 

Chairs: Chris Griffiths (Manchester), Marta Szell (Szeged)

#### Carien Niessen

(Cologne)

50 Years ESDR Anniversary Lecture 2: How to build and regenerate a functional skin barrier

Chairs: Leopold Eckhart (Vienna), Sabine Eming (Cologne)

10.50-11.40

#### **Plenary Session 1**

Chairs: Leopold Eckhart (Vienna), Sabine Eming (Cologne)

#### Program

Time	
10.50	ORAL 001 (POSTER 099) Ichthyosis associated with sphingosine 1-phosphate lyase deficiency is due to aberrant calcium and sphingolipid regulation Chris J. Smith (Department for Endocrinology, Queen Mary University London, London, United Kingdom)
11.02	ORAL 002 (POSTER 157) Comparing adenine base editing and CRISPR-Cas9 gene editing strategies to correct recurrent mutations in RDEB primary fibroblasts  Adam Sheriff (St John's Institute of Dermatology, King's College London, London, United Kingdom)
11.14	ORAL 003 (POSTER 001) Maintenance of CD4+ tissue-resident memory T cells via perivascular clusters with CD301b+ dermal dendritic cells in a mouse model of allergic dermatitis Ryota Asahina (Dermatology, Kyoto University, Kyoto, Japan)
11.28	ORAL 004 (POSTER 098) A burst of progenitor proliferation drives epidermal stratification Lisa Wirtz (Dermatology, University Hospital Cologne, Cologne, Northrhine-Westphalia, Germany)



11.40-12.05

Thomas Bosch (Kiel)

Rene Touraine Lecture:
The Holobiont Imperative: Towards an holistic

understanding of complex diseases

Chairs: Leopold Eckhart (Vienna), Sabine Eming (Cologne)

12.10-13.10

#### **Concurrent 1: Epidermal Structure and Function**

Chairs: Sandrine Dubrac (Innsbruck), Michel Simon (Toulouse)

Time	
12.10	ORAL 013 (POSTER 097) An important role of TRPV3 in the temporal control of intracellular acidification in corneoptosis, a unique cell death process of keratinocytes  Takeshi Matsui (School of Bioscience and Biotechnology, Tokyo University of Technology, Tokyo, Tokyo, Japan)
12.20	ORAL 014 (POSTER 101) Uncommon alleles in FLG2 and TCHHL1 are associated with remission of atopic dermatitis Ronald Berna (University of Pennsylvania, Philadelphia, Pennsylvania, United States)
12.30	ORAL 015 (POSTER 105) Regulation of keratinocyte differentiation through aryl hydrocarbon receptor signaling involves the transient activation of TFAP2A Felicitas Pardow (Dermatology, Radboud Institute for Molecular Life Sciences, Radboud University Medical Center, Nijmegen, Netherlands)
12.40	ORAL 016 (POSTER 112) A new 3D skin model colonized with bacteria for a better understanding of Atopic Dermatitis Sébastien Cadau (BASF Beauty Care Solutions France, Lyon, France)
12.50	ORAL 017 (POSTER 122) Ex vivo infection of skin from atopic dermatitis patients reveals facilitated invasion of herpes simplex virus 1 Maureen Möckel (Center for Biochemistry, University of Cologne, Cologne, Germany)
13.00	ORAL 018 (POSTER 054) Machine learning prediction of filaggrin mutation status from palmar images: a proof-of-concept study Lloyd Steele (Centre for Cell Biology and Cutaneous Research, Blizard Institute, Queen Mary University of London, London, United Kingdom)

12.10-13.10

#### **Concurrent 2: Adaptive Immunity and Autoimmunity**

Chairs: Bernhard Homey (Düsseldorf), Emmanuella Guenova (Lausanne)

Time	
12.10	ORAL 019 (POSTER 005) PPAR-gamma promotes proliferation of pathogenic Th2 cells through regulation of IL-2 signaling Fabian Luther (Dermatology, Inselspital, Bern University Hospital, Bern, Switzerland)
12.20	ORAL 020 (POSTER 020) Sphingosine 1-phosphate receptor signalling promotes hair growth and inhibits perifollicular T-cell expansion and immune privilege collapse ex vivo Marta Bertolini (Monasterium Laboratory GmbH, Muenster, Germany)
12.30	ORAL 021 (POSTER 003) Anti-fractalkine monoclonal antibody therapy ameliorates murine sclerodermatous chronic graft-versus-host disease Akira Utsunomiya (Dermatology, Fukui University, Eiheijicho, Fukui, Japan)
12.40	ORAL 022 (POSTER 013) Unabated type I interferon expedites B-cell autoimmunity and anti-drug antibody formation during anti-TNF therapy Anna Mennella (CHUV, Lausanne, Switzerland)
12.50	ORAL 023 (POSTER 122) Pathogenic murine anti-BP230 autoantibody 20B12: Elucidating the mechanism of blister formation Vanessa Bolduan (Department of Dermatology, University Hospital Heidelberg, Heidelberg, Germany)
13.00	ORAL 024 (POSTER 009) Human desmocollin 3-specific IgG antibodies are pathogenic in a humanized HLA-class II transgenic mouse model of pemphigus Christoph Hudemann (Department of Dermatology and Allergology, Philipps-Universität Marburg, Marburg, Germany)

12.10-13.10

#### **Concurrent 3: Wound Healing and Tissue Remodelling**

Chairs: David Kelsell (London), Karin Scharffetter-Kochanek (Ulm)

Time	
12.10	ORAL 025 (POSTER 349) Long non-coding RNAs and skin fibrosis consequent to radiotherapy Tatiana Vinasco Sandoval (Laboratory of Genomics and Radiobiology of Keratinopoiesis, IBFJ/DRF/iRCM, CEA, Evry, 91000, France)
12.20	ORAL 026 (POSTER 348) Collagen-binding integrins are important for orchestrating tissue architecture and fibrotic responses  Mugdha Sawant (Translational Matrix Biology, University of Cologne, Cologne, Germany)
12.30	ORAL 027 (POSTER 351) The circular RNA circGLIS3 activates dermal fibroblasts and increases ECM production to improve wound healing Maria A. Toma (Medicine Solna, Karolinska Institutet, Stockholm, Sweden)
12.40	ORAL 028 (POSTER 353) Investigating the Contribution of Endothelial to Mesenchymal Transition (EndMT) and Vascular Sox9 to Fibrosis in Scleroderma Racheal Wadlow (University of Queensland Diamantina Institute, Brisbane, Queensland, Australia)
12.50	ORAL 029 (POSTER 359) Anti-osteopontin treatment with mesalazine improves fibroblast dysfunction in radiation-induced morphea Stephan R. Künzel (Department of Dermatology, Technische Universität Dresden, Faculty of Medicine Carl Gustav Carus, Dresden, Germany)
13.00	ORAL 030 (POSTER 358) The Role of Adipolin in Cutaneous Fibroproliferative Disease Chuin Ying Ung (St John's Institute of Dermatology, King's College London, London, United Kingdom)



13.15-14.30

#### IL-31 – the central regulator in Atopic Dermatitis pathogenesis

Chair: Martin Steinhoff (Doha, Qatar)

Galderma sponsored symposium



Time	
13.15–13.17	Welcome and introduction M. Steinhoff (Doha, Qatar)
13.17–13.37	IL31 /IL-31RA involvement in itch mechanisms in Atopic Dermatitis – what we know and what we don't M. Steinhoff (Doha, Qatar)
13.37–13.57	IL-31 – the bridging neuro-immune cytokine and it's inflammatory facets in Atopic Dermatitis  Dan Kaplan (Pittsburg, USA)
13.57–14.17	Skin integrity in Atopic Dermatitis: a disruption or a dysfunction? Timo Buhl (Göttingen, Germany)
14.17–14.30	Final discussion and symposium closing address M. Steinhoff (Doha, Qatar), Dan Kaplan (Pittsburg, USA), Timo Buhl (Göttingen, Germany)

13.15-14.15

#### A new era | Vitiligo: a chronic autoimmune disease

**Chair: Prof. Thierry Passeron MD PhD (Nice, France)** 

Incyte sponsored symposium



Time	
13.15–13.20	Welcome and introduction Thierry Passeron (Nice, FR)
13.20–13.45	Translating signal transduction pathways and the pathogenesis of vitiligo Paul Smith (Senior Director of Inflammation and Autoimmunity Incyte)
13.45–14.10	How addressing the pathophysiology of vitiligo is providing new therapeutic approaches Thierry Passeron (Nice, France)
14.10–14.15	Concluding remarks and meeting close Thierry Passeron (Nice, France)



13.15-14.30

## With a little help from my friends: understanding the IL-23 pathway and managing psoriasis and psoriatic arthritis

**Chair: Andreas Pinter (Germany)** 

Janssen sponsored symposium



Time	
13.15–13.20	Welcome and introduction Andreas Pinter (Germany)
13.20–13.35	Repainting the psoriasis picture: a fresh take on IL-23 and TRM in the skin Menno de Rie (Netherlands)
13.35–13.50	From research insights to therapeutic success: targeting the IL-23 pathway in the skin Andreas Pinter (Germany)
13.50–14.05	Detection and management of psoriatic arthritis: spot the signs, act fast Frank Behrens (Germany)
14.05–14.25	Joint decisions: towards comprehensive management of psoriasis and psoriatic arthritis Frank Behrens (Germany), Menno de Rie (Netherlands), Andreas Pinter (Germany)
14.25–14.30	Concluding remarks and meeting close Menno de Rie (Netherlands)

14.40-16.00

#### Poster Walks & General Poster Viewing

Poster walks are short presentations from selected abstracts with discussion. Each presenter will show 3–4 slides and the moderator will facilitate questions from the audience. Attendees can activate their cameras and microphones if they wish for these sessions.

E-poster Sponsor



#### **Topics**

Time	
	Cell Biology
	Clinical Research and Epidemiology
	Genetics and Cell Based Therapy
	Melanoma and Other Skin Cancers
	Skin Inflammation

14.40-16.00

**Poster Walk: Cell Biology** 

Leader: Florian Gruber

E-poster Sponsor



Time	
14.45	[Poster 103] – Autophagy activation is required for the maintenance of skin tight junction barrier Ge Peng
14.52	[Poster 106] – Dysfunctional mTORC2 signalling as potential risk factor for inflammatory skin diseases Xiaolei Ding
14.59	[Poster 300] – The time-dependency of the cyclobutane pyrimidine dimer-evoked cellular damages using a CPD-specific photolyase-encoding mRNA-based model system Eva Remenyik
15.06	[Poster 310] – The role of autophagy on IFN-γ function in keratinocytes Yiwen Yang
15.13	[Poster 322] – Laser-capture microdissection coupled to metagenomics: A powerful method for analysis of the HF microbiome Marta Lousada
15.20	[Poster 323] – Human Long-Term Deregulated Circadian Rhythm alters Regenerative Propoerties of Skin and Hair Precursur Cells Nathalie Deshayes
15.27	[Poster 325] – Metabolic Signalling in Sebaceous Gland Development and Homeostasis Klaus Göbel
15.34	[Poster 326] – Healing properties of fetal cells beyond pregnancy Mansour Alkobtawi

14.40-16.00

**Poster Walk: Clinical Research** 

Leader: Marlies Wakkee

Time	
14.45	[Poster 039] – Glucagon-like peptide-1 analogues and sodium-glucose co-transporter-2 inhibitors do not increase risk of bullous pemphigoid Outi Varpuluoma
14.52	[Poster 043] – Role of Prostaglandin E-major Urinary Metabolite Levels in Identifying The Phenotype of Pachydermoperiostosis  Mami Ishibashi
14.59	[Poster 051] – STAT3 nuclear translocation in circulating MAIT cells is a potential biomarker of clinical outcome to ustekinumab in psoriasis Shane Solanky
15.06	[Poster 052] – Anakinra for palmoplantar pustulosis: results from a randomized, double-blind, multicentre, two staged, adaptive placebo controlled trial (APRICOT) Thomas Tull
15.13	[Poster 069] – Multi-omic analyses highlight key molecular pathways in dystrophic epidermolysis bullosa pruriginosa Maria Papanikolaou
15.20	[Poster 044] - Safety and efficacy of anti-IL-17 (Secukinumab) for the treatment of pyoderma gangrenosum Felix Lauffer
15.27	[Poster 061] – Selective inhibition of tyrosine kinase 2 prevents and restores interleukin-12-induced hair follicle immune privilege collapse: a novel approach to alopecia areata therapy?  Janin Edelkamp
15.34	[Poster 042] – Atopic dermatitis and the risk of eating disorders Laura Huilaja

14.40-16.00

#### **Poster Walk: Genetics and Cell Based Therapy**

Leader: Smail Hadj-Rabia

E-poster Sponsor



0	
Time	
14.45	[Poster 155] – Update on genetics of atopic dermatitis – meta-analysis of five genome-wide association studies and subgroup analysis of severe and mild atopy Anu Pasanen
14.52	Poster 158] – Targeting gene expression at the ribosome: Correction of the mutation LAMB3R635X in Epidermolysis bullosa Johann Bauer
14.59	[Poster 159] – CRISPR/Cas9 nickase mediated gene therapy in primary keratinocytes derived from patients with EPPK Thomas Trafoier
15.06	[Poster 160] – Genome-wide association meta-analysis of acne reveals 29 novel risk loci and molecular overlap with Mendelian hair and skin disorders and other complex traits  Jake Saklatvala
15.13	[Poster 162] – Loss-of-function variants in SERPINA12 underlie autosomal recessive palmoplantar keratoderma Janan Mohamad
15.20	[Poster 168] – ARP-T1-associated Bazex-Dupré-Christol Syndrome is an inherited basal cell cancer with ciliary defects characteristic of ciliopathies Christine Pich Bavastro
15.27	[Poster 170] – Acral Peeling in Nagashima Type Palmo-Plantar Keratosis Patients Reveals the Role of Serine Protease Inhibitor B 7 in Keratinocyte Adhesion Wassim Azzam
15.34	[Poster 329] – In vitro co-culture models of merkel cell-neurite complex in touch domes Yoko Toba-Ichihashi

14.40-16.00

#### **Poster Walk: Melanoma and Other Skin Cancers**

**Leader: Ester Hoste** 

Time	
14.45	[Poster 254] – Adcitmer®, a new CD56-targeting MMAE-conjugated antibody is a potential therapeutic approach in Merkel cell carcinoma Clara Esnault
14.52	[Poster 255] – PVT1 is overexpressed and acts as an oncogenic long non-coding RNA in cutaneous squamous cell carcinoma Chen Li
14.59	[Poster 256] – Metabolic Vulnerabilities as Predictive Biomarkers and Therapeutic Targets in Skin Carcinogenesis Pauline Michon
15.06	[Poster 257] – Skin liquid biopsy method for assessing the immune environment of cutaneous T-cell lymphoma lesions Kan Torii
15.13	[Poster 258] – Interleukin 6 signalling in endovascular progenitors is a driver of melanoma vascularisation and metastasis James Dight
15.20	Poster 260] – A new cGMP analogue inhibits melanoma growth and invasion via blocking the EGF/EGFR pathway  Marika Quadri
15.27	[Poster 263] – Therapy-induced senescence in melanoma cells is associated with a low proinflammatory secretome Lorenzo Homman
15.34	[Poster 264] – Increased chlormethine induced DNA double stranded breaks in malignant T cells from mycosis fungoides skin lesions Yun-Tsan Chang



14.40-16.00

**Poster Walk: Skin Inflammation** 

Leader: Jeremy Di Domizio

#### Program

Time	
14.45	[Poster 014] – C10RF162 is specifically expressed by pathogenic Th2 cells in atopic dermatitis Yann Schwerzmann
14.52	[Poster 017] – Unraveling the kinetics and cellular contributions in type 2 immune responses in atopic dermatitis Inga Hölge
14.59	[Poster 034] – Dysfunctional Collagen XVII provokes skin inflammation Outi Lindgren
15.06	[Poster 189] – Interleukin (IL)-26 drives pustular forms of psoriasis by linking neutrophils to keratinocyte activation Jeremy Di Domizio
15.13	[Poster 190] – Staphylococcus cohnii can alleviate diverse skin inflammation Yoshihiro Ito
15.20	[Poster 201] – Decreased efficacy of regulatory T cells in the absence of HCA2 is due to overexpression of IL-6 Rebecca Philippsen
15.27	[Poster 210] – RNase 7 and the ribonuclease inhibitor regulate RNA-induced inflammatory reactions in keratinocytes Annika Moy
15.34	[Poster 213] – Iron overload in skin homeostasis Marta Torregrossa



16.00-16.30

Anthony Oro (Stanford)

**ESDR 2021 Keynote Lecture: Dynamic Plasticity and Resistance of Keratocarcinomas** 

Chair: Meno de Rie (Amsterdam)

16.30-18.00

## **Drug Discovery & Translational Medicine Advanced cell therapy for inflammatory skin disease**

Chairs: Chris Griffiths (Manchester), Sabine Eming (Cologne)

This session is supported by





Time	
16.30	Introduction Chris Griffiths (Manchester, UK)
16.35	Fibroblast dedifferentiation and limb regeneration Elly Tanaka (Vienna, Austria)
16.55	Haematopoietic Stem Cell Transplantation for Epidermolysis Bullosa Christen Ebens (Minnesota, USA)
17.15	Different modalities of targeting CD1a for treatment of skin disease: prospects for cell therapy Graham Ogg (Oxford, UK)
17.35	Mesenchymal stromal cell therapy for psoriasis Lajos Kemeny (Szeged, Hungary)
17.55	Closing remarks Sabine Eming (Cologne, Germany)



**Elly Tanaka** (Vienna)



**Christen Ebens** (Minnesota)



**Graham Ogg** (Oxford)



**Lajos Kemeny** (Szeged)

18.30-19.30

#### **Exploring the Role of Type 2 Inflammation in Dermatologic Diseases**

Chair: Mark Boguniewicz (USA)

ADVENT Sponsored Virtual Symposium





Time	
18.30–18.32	Introduction Mark Boguniewicz (USA)
18.32–18.47	The Role of Type 2 Inflammation in the Pathophysiology of Atopic Dermatitis: Type 2 inflammation and barrier dysfunction: latest insights on AD pathophysiology  Mark Boguniewicz (USA)
18.47–19.02	Pruritic Dermatoses with a Type 2 Inflammation Component: Type 2 pathophysiology in chronic spontaneous urticaria and prurigo nodularis Marcus Maurer (Germany)
19.02–19.17	Type 2 Inflammation as a Therapeutic Target in Dermatologic Diseases: Translational research perspective on clinical trial outcomes for agents targeting Type 2 inflammation  Ana Maria Giménez-Arnau (Spain)
19.17–19.30	Live Q&A Mark Boguniewicz (USA) (Chair), Ana Maria Giménez-Arnau (Spain), Marcus Maurer (Germany)





08.15-09.15

#### Intravenous immunoglobulins in dermatological autoimmune diseases

Chair: Alexander Enk (Heidelberg)

Biotest Sponsored Virtual Symposium



Time	
08.15–08.17	Welcome and introduction Alexander Enk (Heidelberg, Germany)
08.17–08.34	The immunomodulatory role of IVIg in skin autoimmune diseases Alexander Enk (Heidelberg, Germany)
08.34–08.51	Putative modes of action of IVIg in inflammatory skin diseases Christian Sadik (Lübeck, Germany)
08.51–09.08	Clinical experience using IVIg in patients with autoimmune skin diseases Margitta Worm (Berlin, Germany)
09.08–09.15	Final discussion and Q&A with the Experts Panel

08.15-09.15

## A Journey of Discovery, Impact, & Innovation; 111 years since generalized pustular psoriasis (GPP) was first documented

**Chair: Christopher Griffiths (Manchester)** 

Boehringer Ingelheim sponsored symposium



Time	
08.15-08.20	Introduction
08.20-08.30	Discovery: Understanding of Generalized Pustular Psoriasis from Bench to Bedside Peter Van de Kerkhof
08.30-08.40	Impact of Generalized Pustular Psoriasis: Disease Burden and Unmet Needs Siew Eng Choon
08.40–08.55	Innovations in Generalized Pustular Psoriasis Treatment Jörg Prinz
08.55–09.15	Roundtable Q&A with the Experts Panel

Friday 24 September 2021

09.20-09.40



9.40-10.00



**Chair: Anna Balato (Naples)** 

**Peter CM Van de Kerhof** (Nijmegen)

**50 Years ESDR Anniversary Lecture 3: Psoriasis** 

From empirical to pathogenesis based treatment of psoriasis



Chairs: Anna Balato (Naples), Julien Seneschal (Bordeaux)

**Tamar Nijsten** (Rotterdam)

**EADV Guest Lecture** 

**Next Generation Health Care: Illustrated by skin cancer care** 

#### Friday 24 September 2021

10.00-10.25



10.30-10.50



Chairs: Anna Balato (Naples), Julien Seneschal (Bordeaux)

**Caroline Robert** (Paris)

#### **ESDR 2021 Keynote Lecture: Cancer Therapy**

**Translation Control and Resistance** to Therapies in Melanoma



**Chair: Eli Sprecher (Tel Aviv)** 

**Martin Röcken** (Tübingen)

#### **50 Years ESDR Anniversary Lecture 4**

A commotion in the skin: Developing melanoma immune therapies

10.50-11.40

#### **Plenary Session 2**

Chairs: Enikö Sonkoly (Stockholm), Eli Sprecher (Tel Aviv)

#### Program

Time	
10.50	ORAL 005 (POSTER 248) A developmental cellular hierarchy in melanoma uncouples growth and metastatic phenotypes Panagiotis Karras (VIB Center for Cancer Biology, Leuven, Belgium)
11.02	ORAL 006 (POSTER 250) EZH2, a potential therapeutic target in Merkel cell carcinoma Marie-Alice Durand ("Biologie des Infections à Polyomavirus" team, UMR INRA ISP 1282, University of Tours, Tours, France)
11.14	ORAL 007 (POSTER 186) TH9 cells depend on cystine uptake and PPAR- $\gamma$ signaling to prevent unchecked lipid ROS and cell death Cecilia Bazzini (Dermatology, Inselspital, Bern University Hospital, Bern, Switzerland)
11.28	ORAL 008 (POSTER 319) Mechanisms of cell death regulation in hair regeneration Giada Mantellato (Center for Molecular Medicine Cologne (CMMC), Cologne, Germany)



11.40-12.05

**Valter Longo** (Los Angeles)

**ESDR 2021 Keynote Lecture: Ageing** 

Fasting Mimicking Diets, Regeneration, and Age-related Diseases

Chairs: Enikö Sonkoly (Stockholm), Eli Sprecher (Tel Aviv)

12.10-13.10

#### **Concurrent 4: Melanoma and Other Skin Cancers**

Chairs: Ines Sequeira (London), Thomas Tüting (Magdeburg)

Time	
12.10	ORAL 031 (POSTER 249) C-FOS drives reversible basal to squamous cell carcinoma transition Francois Kuonen (Department of Dermatology, CHUV, Lausanne, Switzerland)
12.20	ORAL 032 (POSTER 251) Metabolic and immune features as predictive biomarkers of risk stratification of skin carcinoma Lea Dousset (INSERM BMGIC, UMR 1035, University of Bordeaux, Bordeaux, France)
12.30	ORAL 033 (POSTER 253) Targeting tumour vascularisation through endothelial-specific Sox9 deletion reduces melanoma metastasis through reduction of vascularisation, changing melanoma gene expression pattern Ghazaleh Hashemi (The University of Queensland Diamantina Institute, Brisbane, Queensland, Australia)
12.40	ORAL 034 (POSTER 252) Loss of endothelial cell MMP14 reduces melanoma growth and metastasis by increasing tumor vessel stability  Maike Kümper (Department of Dermatology and Venereology, University of Cologne and University Hospital Cologne, Cologne, Germany)
12.50	ORAL 035 (POSTER 266) Identification of metastatic primary cutaneous squamous cell carcinoma using artificial intelligence analysis of whole slide images  Jaakko S. Knuutila (Department of Dermatology, University of Turku and Turku University Hospital, Turku, Finland)
13.00	ORAL 036 (POSTER 196) Effective anti-melanoma immune response by peritumoral delivery of the heat shock protein 70 (Hsp70) Susanne Kaesler (Dermatology, TU Munich, Munich, Germany)

12.10-13.10

#### **Concurrent 5: Innate Immunity and Inflammation**

Chairs: Zsuzsanna Bata-Csörgő (Szeged), Christoph Schlapbach (Bern)

Time	
12.10	ORAL 037 (POSTER 188) Bacterial stimulation in the gut shapes hapten—driven skin inflammation Verena K. Raker (Dermatology, University Medical Center Muenster, Muenster, Germany)
12.20	ORAL 038 (POSTER 195) Proteomic Analyses of ILC2 and ILC3 from Human Skin and Peripheral Blood Reveal Distinctive Phenotypes and Functions  Marcel B. Teunissen (Department of Dermatology, Amsterdam UMC, location AMC, Amsterdam, Netherlands)
12.30	ORAL 039 (POSTER 193) Different Skin Regions are Characterized by Distinct Epimmunome Patterns Lilla Szabó (Department of Dermatology, University of Debrecen, Debrecen, Hungary)
12.40	ORAL 040 (POSTER 056) Dissecting the pathogenesis of anti-TNF-induced paradoxical psoriasis Jonathan Hardman-Smart (Kings College London, London, United Kingdom)
12.50	ORAL 041 (POSTER 194) Phospholipase Cγ2 is Essential in Autoantibody-induced Skin Blistering Kata P. Szilveszter (Department of Physiology, Semmelweis University, Budapest, Budapest, Hungary)
13.10	ORAL 042 (POSTER 192) Impact of topical corticosteroids on the formation and expansion of skin resident memory T cells in allergic contact dermatitis  Emi Ono (Epidermal Immunity and Allergy, Centre International de Recherche en Infectiologie (CIRI) – INSERM U1111, Lyon, France)

12.10-13.10

## **Concurrent 6: Genetics, Stem Cells, Skin Appendages and Tissue Regeneration**

Chairs: Caterina Missero (Naples), Neil Rajan (Newcastle-upon-Tyne)

Time	
12.10	ORAL 043 (POSTER 161) Nucleolar TFIIE plays a role in ribosomal biogenesis and performance Tamara Phan (Dermatology and Allergology, University Hospital Ulm, Ulm, Germany)
12.20	ORAL 044 (POSTER 156) Targeted ex-vivo correction of COL7A1 through RNP-based CRISPR/Cas9 and Homology-Directed Repair to treat recessive dystrophic epidermolysis bullosa Araksya Izmiryan (INSERM 1163-Imagine Institute, Paris, France, 2Norris Comprehensive Cancer Center, Los Angeles, California, United States)
12.30	ORAL 045 (POSTER 324) Improvement of epidermal covering on AEC patients with severe skin erosions by PRIMA-1MET Smail Hadj-Rabia (Dermatology, APHP, Necker-ENfants Malades Hospital; Université de Paris-Centre; Institut Imagine, Paris, France)
12.40	ORAL 046 (POSTER 321) Deletion of hypoxia-inducible factor prolyl 4-hydroxylase 2 in FoxD1-lineage mesenchymal cells leads to congenital truncal alopecia Ann-Helen S. Rosendahl (Oulu Center for Cell-Matrix Research, Faculty of Biochemistry and Molecular Medicine, University of Oulu, Oulu, Finland)
12.50	ORAL 047 (POSTER 318) The Wnt-inhibitor Dkk4 is required for primary hair follicle induction and patterning Houda Khatif (Dermatology & Venerology, University of Cologne; CECAD Excellence Cluster, University of Cologne, Cologne, Germany)
13.10	ORAL 048 (POSTER 320) Desmoglein 3-mediated mechanical transadhesion controls epithelial stem cell quiescence Eliane J. Müller (Dermatology, Inselspital, Bern University Hospital, University of Bern; Biomedical Research, University of Bern; Institute Animal Pathology, University of Bern, Switzerland)

13.15-13.45

### Reimagining Psoriasis: Spotlight on New Elements of Pathophysiology and Disease Burden

Bristol-Myers Squibb sponsored symposium



Time	
13.15–13.25	Understanding the Unmet Need in the Treatment of Psoriasis April Armstrong
13.25–13.35	Exploring the Differences of TYK2 versus Janus Kinases Andrew Blauvelt
13.35–13.45	TYK2: Mediating a Key Axis of Inflammation Seemal R. Desai

13.15-14.30

### The JAK/STAT Pathway: A Doorway to Understanding Atopic Dermatitis (AD)

Chair: Prof. Sonja Ständer

Pfizer sponsored symposium



Time	
13.15–13.20	Welcome and introduction Sonja Ständer
13.20–13.40	The Role of the JAK/STAT Pathway in the Pathophysiology of Atopic Dermatitis Kenji Kabashima
13.40–14.00	The Development of Small Molecule JAK Inhibitors: An Industry Perspective Dave Martin – Pfizer JAK Franchise Research Lead
14.00–14.20	What Role does the JAK/STAT Pathway Play in the Neuroimmune Mechanisms of in AD-related Pruritus? Sonja Ständer
14.20–14.30	Live Q&A

13.15-14.30

#### Disease drivers: new perspectives on pathogenesis in psoriasis

**Chair: James Krueger (USA)** 

UCB sponsored symposium



Time	
13.15–13.16	Welcome and introduction James Krueger (USA)
13.16–13.34	Deconstructing the cytokine cocktail that amplifies inflammation in psoriasis  James Krueger (USA)
13.34–13.44	Uncovering the cells that drive disease with cellular profiling James Krueger (USA)
13.44–13.59	New MOAs in the psoriasis pipeline Wolf-Henning Boehncke (Switzerland)
13.59–14.14	Panel Discussion & Audience Questions (How close are we to a definitive picture of pathogenesis in psoriasis? A future role for biomarkers in diagnostics or treatment selection? What will be the next technological or conceptual developments to drive forward research on the pathogenesis of psoriasis? How could new insights on pathogenesis improve the lives of patients?)

14.40-16.00

#### **Poster Walks**

Poster walks are short presentations from selected abstracts with discussion. Each presenter will show 3–4 slides and the moderator will facilitate questions from the audience. Attendees can activate their cameras and microphones if they wish for these sessions.

E-poster Sponsor



#### Topics

Time	
	Adaptive Immunity and Autoimmunity
	Clinical Research
	Epidermal Structure and Function
	Innate Immunity and Inflammation
	Wound Healing and Tissue Remodelling

14.40-16.00

#### **Poster Walk: Adaptive Immunity and Autoimmunity**

Leader: Christina Zielinski

Time	
14.45	[Poster 004] Up-regulation of ST18 drives pemphigus vulgaris pathogenesis: a perpetuum mobile model Sari Assaf
14.52	[Poster 006] Pathogenic autoantibody derived from Treg-deficient scurfy mice targets Type VII Collagen and induces Epidermolysis bullosa acquisita-like blistering disease Elisabeth Vicari
14.59	[Poster 008] Autocrine IL-9/IL-9Rα signaling induces a pathogenic phenotype in TH2 cells Nicole Bertschi
15.06	[Poster 016] Molecular analysis of treatment-refractory pityriasis rubra pilaris uncovers an IL-1 signature with therapeutic proof-of-concept of the anti-IL-1 biological anakinra Antonios Kollios
15.13	[Poster 018] Cutaneous kinase activity correlates with treatment outcomes following PI3K delta inhibition in mice with experimental pemphigoid diseases Shirin Emtenani
15.20	[Poster 022] Exploring the potential of the novel IFNγ aptamer TAGX-0003 as a treatment for alopecia areata in pre-clinical models Marcus Fehrholz
15.27	[Poster 023] RNA sequencing of chronic GVHD skin lesions identifies TREM1 as a possible therapeutic traget in lichen planus Andreea Calugareanu

14.40-16.00

#### **Poster Walk: Clinical Research**

Leader: Liv Eidsmo

E-poster Sponsor



Time	
14.45	[Poster 068] Association of systemic involvement with skin morphology assessed by multiphoton microscopy in pseudoxanthoma elasticum Lucas Fesus
14.52	[Poster 048] The anti-drug antibody response is associated with amino acid variation within the HLADRB1 peptide-binding groove Teresa Tsakok
14.59	[Poster 259] Macrophage migration inhibitory factor (MIF) and its homolog D-dopachrome tautomerase (D-DT) are significant promotors of UVB, but not chemically induced non-melanoma skin cancer Sebastien Huth
15.06	[Poster 261] Distinct Melanoma Cancer Stem Cell Profile Defines Response to Immune Checkpoint Inhibitors in Melanomas Mark Middleton
15.13	[Poster 262] Glucose-6-Phosphate Dehydrogenase is a Promising Biomarker for Prognosis and Immune Activity Prediction in Merkel Cell Carcinoma Motoki Nakamura
15.20	[Poster 271] Critical role of Aquaporin-1 and telocytes in infantile hemangioma response to propranolol beta blockade Sandra Oucherif
15.27	[Poster 303] Maintenance of Repigmentation After Discontinuation of Ruxolitinib Cream in Patients With Vitiligo David Rosmarin
15.34	[Poster 363] Deciphering wound chronicity with a novel non-invasive sampling technology in Epidermolysis bullosa patients Ignacia Fuentes
15.41	[Poster 369] An Adipose-derived Stem Cell-engineered matrix represents a promising treatment for chronic wounds Nicolo Brembilla

14.40-16.00

#### **Poster Walk: Epidermal Structure and Function**

Leader: Germot Walko

Time	
14.45	[Poster 100] Activation of A2B adenosine receptor normalizes filaggrin and caspase-14 levels in a murine model of epidermal hyperplasia Carmen Montesinos
14.52	[Poster 102] Loss of volume-regulated anion channel LRRC8 interferes with cell volume regulation and epidermal homeostasis Magdalena Jahn
14.59	[Poster 104] Ahed, a novel spliceosomal protein, is essential for the development and maintenance of the epidermis through regulation of mRNA splicing Mikiro Takaishi
15.06	[Poster 107] Single-cell transcriptomics of avian skin reveals evolutionarily ancient keratinocyte differentiation genes Julia Lachner
15.13	[Poster 111] Single cell RNA seq revealed altered cytoskeletal dynamics and the formation of cytoplasmic RNA-Lamin A bodies during keratinocyte terminal differentiation Duncan Wotherspoon
15.20	[Poster 116] Weak Links in the Permeability Barrier of the Skin Zsolt Dajnoki
15.27	[Poster 118] Downregulation of PAD1 in lesional psoriatic keratinocytes is driven by inflammatory cytokines Avinash Padhi
15.34	[Poster 119] Xenobiotic metabolism is triggered in atopic dermatitis Deborah Minzaghi

14.40-16.00

#### **Poster Walk: Innate Immunity and Inflammation**

Leader: Snehlata Kumari

E-poster Sponsor



T:	
Time	
14.45	[Poster 191] Hair follicle-derived keratinocytes as a useful tool to study atopic dermatitis-related TH2 cytokine responses Jürgen Harder
14.52	[Poster 197] Revertant mosaicism as a clue for the role of keratinocytes in innate immunity against Candida species Teruasa Murata
14.59	[Poster 198] II-33 is a central mediator of necroptosis-induced skin inflammation Marion Bonnet
15.06	[Poster 202] An ex vivo method to assay skin's innate defense Morris Waskar
15.13	[Poster 204] IL-2Rγ/IL-4Rα receptor induced in keratinocytes by interleukins 4 and 13 in atopic dermatitis can alter the epidermal barrier Audrey Progneaux
15.20	[Poster 206] OTULIN maintains skin homeostasis by controlling keratinocyte death and stem cell identity Esther Hoste
15.27	[Poster 211] IFN-γ enhances TWEAK-induced inflammatory responses in psoriasis keratinocytes through suppression of miR-149 Enikö Sonkoly
15.34	[Poster 360] Pathogenic role of specific macrophage and fibroblast subpopulations in acne keloidalis identified by single cell RNA sequencing Yi-Kai Hong

14.40-16.00

#### **Poster Walk: Wound Healing and Tissue Remodelling**

Leader: Ning Xu Landén

Time	
14.45	[Poster 345] Abrogation of Sox9 expression in the endothelium blocks aberrant vascular EndMT and fibrosis Jilai Zhao
14.52	[Poster 350] The landscape of microRNA-mediated gene regulation in human skin wound healing and venous ulcers Zhuang Liu
14.59	[Poster 352] Fibrotic enzymes modulate wound-induced skin tumorigenesis Lisette Van Hove
15.06	[Poster 356] Investigating for Extracellular Vesicles miRNA involved in the dialog between dermis and epidermis, as potential targets for antiaging interventions in skin Jean-Marc Lemaitre
15.13	[Poster 357] Angiogenin released from ABCB5+ MSCs Promotes Healing of Diabetic Wounds by triggering Angiogenesis Karmveer Singh
15.20	[Poster 361] Identification of a new molecular modulator of severity in recessive dystrophic epidermolysis bullosa Esteban Chacón-Solano
15.27	[Poster 362] Not just a cell marker: DPP4 modulates regeneration of hair follicles in large wounds Maria Helm
15.34	[Poster 346] Peroxiredoxin 4 improved aging-related delayed wound healing in mice Reimon Yamaguchi

16.00-16.35

#### **Honorary Membership Awards**

Chairs: Márta Széll (Szeged), Sabine Eming (Cologne), Christophe Griffiths (Manchester), Hervé Bachelez (Paris), David Kelsell (London)

Time	
16.00–16.02	Welcome (Marta Szell)
16.02–16.05	Honorary Membership bestowed on Jonathan Barker (citation from Chris Griffiths)
16.05–16.07	Acknowledgment from Jonathan Barker
16.07–16.10	Honorary Membership bestowed on Kathy Green (citation from David Kelsell)
16.10–16.12	Acknowledgment from Kathy Green
16.12–16.15	Honorary Membership bestowed on Gerd Plewig (citation from Sabine Eming)
16.15–16.17	Acknowledgment from Gerd Plewig
16.17–16.20	Honorary Membership bestowed on Martine Bagot (citation from Hervé Bachelez)
16.20–16.22	Acknowledgment from Martine Bagot
16.22–16.25	Honorary Membership bestowed on Alexander Enk (citation from Marta Szell)
16.25–16.27	Acknowledgment from Alexander Enk
16.27–16.30	Honorary Membership bestowed on John McGrath (citation from Chris Griffiths)
16.30–16.32	Acknowledgment from John McGrath

16.35-17.30

#### **ESDR Annual General Meeting of Members**

Chairs: Márta Széll (Szeged), Hervé Bachelez (Paris)



Boehringer Ingelheim is pleased to invite you to attend an interactive symposium at the upcoming **50th Annual ESDR Meeting** 

a journey of

## DISCOVERY 1MPACT & 1NNOVATION

111 years since generalized pustular psoriasis (GPP) was first documented

**Date** 

Friday, 24 September 2021

Time

08:15-09:15 CEST



#### **Objectives**

Review the history of GPP, from its original identification through the discovery of genetic mutations that led to the elucidation of the key role of the IL-36 pathway independent of genetic mutations

Appreciate the burden of pustular psoriasis flares on mortality, morbidity, and healthcare utilization, which is driven by the lack of rapid and effective treatments for GPP flares

Understand the study designs and results of trials evaluating agents that target the IL-36 pathway







Time	Presentation	Speaker	
8:15 - 8:20	Welcome and Introductions		Prof. Christopher Griffiths (Chair)
8:20 - 8:30	Discovery: Understanding of Generalized Pustular Psoriasis From Bench to Bedside		Prof. Peter Van de Kerkhof
8:30 - 8:40	Impact of Generalized Pustular Psoriasis: Disease Burden and Unmet Needs		Assoc. Prof. Siew Eng Choon
8:40 - 8:55	Innovations in Generalized Pustular Psoriasis Treatment		Prof. Jörg Prinz
8:55 - 9:15	Live Q&A Panel		







## Saturday

25 September 2021

09.20-10.20

#### **Concurrent 7: Photobiology and Cell Biology**

Chairs: Lionel Larue (Orsay), Andrea Szegedi (Debrecen)

Time	
09.20	ORAL 049 (POSTER 307) Looking at vitiligo from the skin barrier point of view Monica Ottaviani (San Gallicano Dermatological Institute, IRCCS, Rome, Italy)
09.30	ORAL 050 (POSTER 246) Epidermal ablation reduces keratinocyte cancer occurrence by reducing skin mutation burden caused by chronic ultraviolet radiation Ho Yi Wong (University of Queensland, Brisbane, Queensland, Australia)
09.40	ORAL 051 (POSTER 247) Epidermal aPKC polarity signaling suppresses field cancerization upon loss of p53 Oana D. Persa (Cell Biology of the Skin & CECAD, University of Cologne; Dermatology and Venerology, University Hospital Cologne; Center for Molecular Medicine Cologne, University of Cologne, Cologne, Germany)
09.50	ORAL 052 (POSTER 109) Fibroblast extracellular vesicles modulate keratinocyte differentiation during skin aging Julie Rorteau (UMR-5305, LBTI, Lyon, FRance; Gattefosse, Saint Priest, France)
10.00	ORAL 053 (POSTER 110) Metabolites of the skin commensal bacterium S. hominis enhance tight junction barrier integrity in primary human keratinocytes Faye A. Aldehalan (School of Biological Sciences, The University of Manchester, Manchester, United Kingdom)
10.10	ORAL 054 (POSTER 328) Distinct stem cell division programs determine organ regeneration and aging in hair follicles Hiroyuki Matsumura (Department of Stem Cell Medicine, Medical Research Institute, Tokyo Medical and Dental University, Bunkyo-Ku, Tokyo, Japan)

09.20-10.20

#### **Concurrent 8: Clinical Research and Epidemiology**

Chairs: Kaisa Tasanen (Oulu), Remco van Doorn (Leiden)

Time	
09.20	ORAL 055 (POSTER 038) Differences in clinical features and comorbid burden between HLA-C*06:02 carrier groups in more than 9,000 people with psoriasis Ravi Ramessur (St John's Institute of Dermatology, School of Basic & Medical Biosciences, Faculty of Life Sciences & Medicine, King's College London, London, United Kingdom)
09.30	ORAL 056 (POSTER 037) Efficacy and safety of tirabrutinib, highly selective Bruton's tyrosine kinase inhibitor, for oral treatment of pemphigus: a multicenter, open-label, uncontrolled, single-arm phase 2 study Jun Yamagami (Keio University School of Medicine, Tokyo, Japan)
09.40	ORAL 057 (POSTER 040) Drug survival of biologics in patients with early vs. late onset psoriasis: an analysis from the British Association of Dermatologists Biologics and Immunomodulators Register (BADBIR)  Oras Alabas (Centre for Dermatology Research, The University of Manchester, Manchester, United Kingdom)
09.50	ORAL 058 (POSTER 046) A computational model suggested potential therapies for dupilumab poor responders in atopic dermatitis Takuya Miyano (Department of Bioengineering, Imperial College London, London, United Kingdom)
10.00	ORAL 059 (POSTER 049) Janus Kinase 1 Inhibitor INCB054707 Modulates Disease-Associated Markers and Pathways in Hidradenitis Suppurativa Huiqing Liu (Incyte Corporation, Wilmington, Delaware, United States, 2 DermTech Inc, La Jolla, California, United States, 3 Mayo Clinic, Rochester, Minnesota, United States)
10.10	ORAL 060 (POSTER 045) NF-kB phosphorylation in type-2 dendritic cells at baseline is a blood predictive biomarker of clinical response to adalimumab in psoriasis Paola Di Meglio (St John's Institute of Dermatology, King's College London, London, United Kingdom)

10.25-11.30

**Clinical Saturday: COVID-19** 

Chairs: Curdin Conrad (Lausanne), Edel O'Toole (London)

Time	
10.25-10.30	Welcome and Introduction
10.30–10.50	Immunopathology of COVID-19: insights from skin manifestations Michel Gilliet (Lausanne, Switzerland)
10.50–11.10	Immune response to COVID-19 using single cell multiomics Muzlifah Haniffa (Newcastle-upon-Tyne, UK)
11.10–11.25	What SARS-CoV-2 genomics taught us about the COVID-19 pandemic Judith Breuer (London, UK)
11.25–11.30	Closing remarks



**Michel Gilliet** (Lausanne)



**Muzlifah Haniffa**(Newcastle-upon-Tyne)



Judith Breuer (London)

11.40-12.00



**Sara Brown** (Edinburgh)

**50 Years ESDR Anniversary Lecture 5: Eczema** 

Atopic eczema: how genetics helps us to understand this very complex trait

**Chair: Hervé Bachelez (Paris)** 

## **Saturday 25 September 2021**

12.00-12.20



**Christine Bodemer** (Paris)

**ESPD Guest Lecture** 

**Pediatric Mastocytosis** 

Chairs: Rachel Watson (Manchester), Hervé Bachele (Paris)

12.20-13.10

#### **Plenary Session 3**

Chairs: Hervé Bachelez (Paris), Rachel Watson (Manchester)

Time	
12.20	ORAL 009 (POSTER 344) Identification of a novel skin-specific long non-coding RNA regulating keratinocyte differentiation Letian Zhang (Department of Medicine, Solna, Karolinska Institutet, Stockholm, Sweden)
12.32	ORAL 010 (POSTER 297) Role of distinct fibroblast lineages and immune cells in dermal repair following UV radiation induced tissue damage Emanuel Rognoni (Queen Mary University of London, London, United Kingdom)
12.44	ORAL 011 (POSTER 187) Photosensitivity and cGAS-dependent type I IFN activation in lupus patients with TREX1 deficiency Claudia Günther (Dep of Dermatology, TU Dresden, Dresden, Germany)
12.56	ORAL 012 (POSTER 002) Skin-resident memory T cells are poised for systemic Th2/Th17-driven inflammation and may re-seed at distant sites during graft-versus-host disease Johanna Strobl (Department of Dermatology, Medical University of Vienna, Vienna, Austria)

13.10-13.30

#### **Poster Prizes and Closing Ceremony**

Chairs: Márta Széll (Szeged), Hervé Bachelez (Paris), Edel O'Toole (London) Poster Prizes sponsor





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#### 2022

51st Annual ESDR Meeting 28 September – 1 October 2022, Amsterdam, The Netherlands

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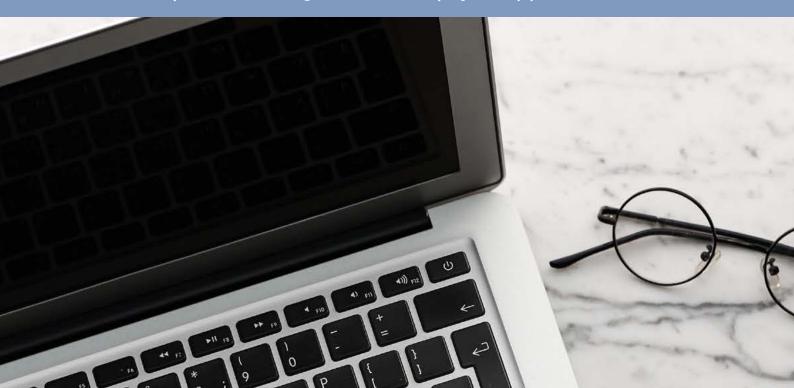






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