

E2BRN @ ESDR2026 Heidelberg, Germany

Meeting Programme

Session 1: Keratinocyte biology

Chairs: Esther Hoste and Michal Gdula

9.00–10.10 Keynote lecture by Wim Declercq, Ghent University, Belgium

Title: The ins and outs of RIPK4 in keratinocyte differentiation.

9.45–10.00 Chloé Nguyen Van (France): Histone deacetylase inhibition impairs epidermal homeostasis and barrier function in human skin models

10.10–10.40 *Poster viewing + coffee/tea*

Session 2: Epidermal models and diseases

Chair: Purna Gadre

10.40–10.55 Jaimy Klijnhout (Netherlands): Impact of cell culture medium on epidermal physiology and inflammation parameters in organotypic models

10.55–11.10 L.E.I. Coppock (UK): Leveraging machine learning to determine the mechanisms of mTOR inhibition and barrier repair by *Lactobacillus rhamnosus* GG in eczema models

11.10–11.25 Alban Ziegler (France): Antisense RNA strategy to treat an autosomal dominant form of epidermal differentiation disorder involving the ELOVL1 gene (ELOVL1-sEDD)

11.25–11.40 Adina Eichner (Germany): Keratin influences the Headgroup Interactions of Ceramide Subspecies revealed in Monolayer Models using GIXD and Langmuir Isotherms

11.40–11.55 Tansu Doran (Poland): Differences in the epigenetics of mouse and human keratinocytes in common experimental setups

12.00–13.30 *Photo session, lunch and poster viewing*

Session 3: Wound healing and epidermal repair

Chair: Takeshi Matsui

13.30–14.30 Keynote lecture by Danuta Gutowska-Owsiak, University of Gdańsk, Poland

Title: Keratinocyte-derived small extracellular vesicles as mediators of communication in the skin and beyond

14.00–14.15 Han Yang (Belgium): A Dynamic Single-Nucleus Atlas of Human Wound Repair

14.15–14.30 Solène Roux (France): Plasma activated media modulate key proteins involved in keratinocyte adhesion and migration: from in vitro proteomics to ex vivo burn models

14.30–15.00 *Poster viewing + coffee/tea*

Session 4: Epidermal inflammation (Young investigators)

Chair: Jolanta Jura

15.00–15.15 Vijaykumar Patra (France): Role of *Malassezia* secreted aspartic proteases in scalp barrier integrity

15.15–15.30 Tara Urselmann (Netherlands): Untangling the web: A systems-based approach at single-cell resolution reveals druggable targets in atopic dermatitis

15.30–15.45 Catherine Mergen (Netherlands): Skin barrier dysfunction and underlying stratum corneum ceramide changes in early-stage mycosis fungoides improve during topical chlormethine treatment

15.45–16.00 Romee van Oort (Netherlands): Skin barrier changes in atopic dermatitis treated with biologics and JAK inhibitors

16.00–16.15 *Meeting closure, announcement of presentation prizes (Esther and Michal), departure for drinks and dinner*