

**15<sup>th</sup> meeting  
of the  
European Epidermal Barrier Research Network**

**27 September 2017**

**Final Programme**

**11:00 – 11:05 Johanna M. Brandner**, Hamburg, Germany  
*Opening*

**11.05-12.15 Session 1: Mendelian genetic disease and skin barrier**  
**Chair Ryan O'Shaughnessy (UK) + Florian Ehrlich (Austria)**

11.05-11.30 . **Nathalie Jonca**, INSERM U1056 - Toulouse III University, France:  
*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)*

11.30-11.45 . **Helene Louis Dit Picard**, Blizard Institute, Queen Mary University of London:  
*Evidence for a palmoplantar-specific role for microtubules,*

11:45-12.00 . **Michel Simon**, UDEAR, INSERM-University of Toulouse, France:  
*In reconstructed human epidermis, peptidylarginine deiminase inhibitor Cl-amidine modulates cornification and keratinocyte autophagic flux*

12.00- 12.15 . **Buket Basmanav**, Institute of Human Genetics, University of Bonn, Germany:  
*Mutations in three genes encoding proteins involved in hair shaft formation cause uncombable hair syndrome*

12-15-14.00 Lunch and Posters

**14.00-15.40 Session 2: Skin Stress response**  
**Chair Sandra Simoes + Guiseppa Percoco (France)**

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

14.25-14.40 **Celine Evrard**, URPhyM-NARILIS, University of Namur, Belgium  
*Characterization of TSG-6 protein in healthy and inflammatory models of reconstructed human epidermis*

14.40-14.55 **Jos P.H. Smits**, Department of Dermatology, Radboud Institute for Molecular Life Sciences, Radboudumc, Nijmegen, The Netherlands:  
*Immortalized N/TERT keratinocytes: an excellent and versatile alternative for primary keratinocytes in experimental dermatological research*

14.55-15.10 **Hélène Duplan**, Pierre Fabre Dermo-cosmétique, Toulouse, France:  
*Characterization of xenobiotic metabolizing enzymes of a reconstructed human epidermal model, as part of the metabolism skin barrier*

15.10-15:35 **Eva PETERS**, Charité Universitaetsmedizin Berlin, Germany:  
Does stress help to brake the skin barrier?

15.35-17.00 Coffee and Posters

**17.00-18.35 Session 3: Skin Barrier Homeostasis**  
**Chairs: Ros Hannon (UK) + Jos PH Smits, The Netherlands**

17.00- 17.25 **Rosalind Hannon**, Queen Mary University of London Centre for Cell Biology and Cutaneous Research, Blizard Institute, UK:  
*Stressed out keratinocytes*

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

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

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

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

**18.35-18:45: Poster Prizes and Closing Remarks**