15th 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, INSEM 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 + Guiseppe 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

14.55-15.10 **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 Universitätsmedizin 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 Kováčik**, 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