

## Our Participation to the ESDR Annual Meeting 2022



### Meet our team in Booth N°2

We will be happy to discuss our newest, compelling research highlights and to introduce you our capabilities in supporting your pre-clinical and clinical research.

### Satellite Symposium Dermatoendocrinology

Wednesday, September 28<sup>th</sup> | 13.00 - 18.00 CET | Room 5

Co-sponsored by Monasterium Laboratory

Lecture 2 | 14.20 – 14.50

Human scalp hair follicles operate a fully functional peripheral equivalent system of the central hypothalamic-pituitary-somatotropic (HPS) axis

Ralf Paus (Miami, USA & Manchester, UK)

Lecture 4 | 16.35 – 17.05

Cannabinoids in dermatology – current state and future directions

Tamas Biro (Debrecen, Hungary)

### Future Leaders Symposium

Wednesday, September 28<sup>th</sup> | 15.00 - 18.00 CET | Room 4

Future Leader Presentations | 15.40 – 15.55

A life long with Alopecia Areata

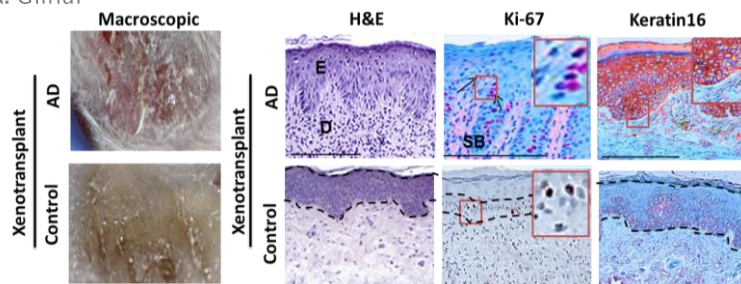
Marta Bertolini (Münster, Germany)

## Oral Presentations

### Concurrent Session 2 - Thursday, September 29<sup>th</sup>

P323

A Novel, Stress-Responsive and Clinically Predictive Humanized Mouse Model of Atopic Dermatitis: Autologous Th2-Polarized Lymphocytes Suffice to Induce Characteristic Lesions in Healthy Non-Atopic Human Skin Xenotransplants In Vivo R. Paus, A. Keren, K. Reich, M. Bertolini, C. Riethmüller, Y. Ullmann, A. Gilhar



P004

Cell-based therapy may be effective in alopecia areata: Preclinical evidence that autologous, peripheral regulatory  $\gamma\delta T$  cells are preventive in human ex vivo and therapeutic in human in vivo models A. Keren, M. Bertolini, R. Paus, A. Gilhar

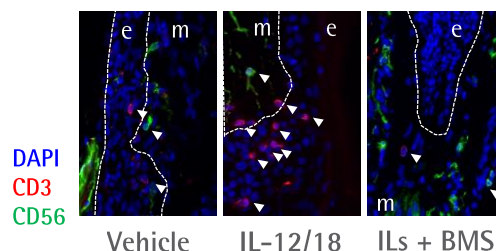
## Poster Walks

### PW01: Thursday, September 29<sup>th</sup> - Immunity and Disease

P014

Tyrosine Kinase 2 Inhibition Ameliorates the Phenotype of Lesional Alopecia Areata Scalp Skin Ex Vivo, and Reverses the Induction of Human Alopecia Areata in a Humanized Mouse Model

Presented by J. Edelkamp



### PW03: Thursday, September 29<sup>th</sup> - Aging and Senescence

P561

Vellus-to-terminal hair follicle reconversion does occur in male pattern balding in a new humanized mouse model of androgenetic alopecia and is promoted by minoxidil and PRP

Presented by I. Piccini

### PW07: Friday, September 30<sup>th</sup> - Immunity and Disease

P327

Involvement of ILC1-like innate lymphocytes in human autoimmunity: lessons from alopecia areata

Presented by M. Bertolini

### PW11: Friday, September 30<sup>th</sup> - Stem Cells and Skin Appendages

P558

The Bacterial Metabolite, Butyrate, Prolongs Anagen and Promotes Autophagy, Mitochondrial Activity, Melanogenesis and Antimicrobial Peptide Production in Human Scalp Hair Follicles

Presented by J. Edelkamp

P551

Combining Laser Capture Microdissection and RNAseq Analysis to Generate a Human Anagen Hair Follicle Transcriptome Atlas

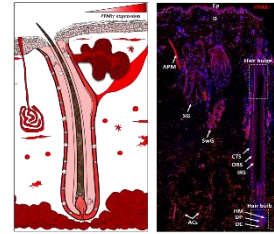
Presented by I. Piccini

## e-Posters

P223

Canonical and Dominant Negative Peroxisome Proliferator-Activated Receptor  $\gamma$  Isoforms are Differentially Expressed in Human Skin and Skin Appendages

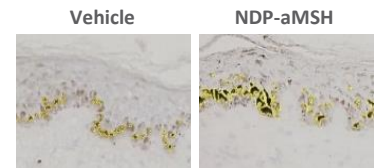
M. Mägi, Y. Ramot, R. Paus, M. Bertolini



P540

A Novel Ex Vivo Assay Platform to Pre-Clinically Evaluate Candidate Hypo- or Hyperpigmentation-Inducing Agents in Human Epidermis

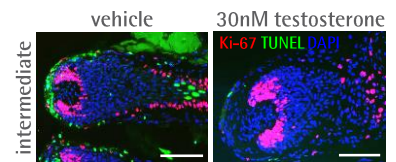
M. van Lessen, A. Mardaryev, J. Cheret, M. Bertolini, J. Edelkamp, T. Bíró, R. Paus



P564

Vertex and Occipital Intermediate and Terminal Hair Follicles From Androgenetic Alopecia Patients are Differentially Affected by Testosterone Ex Vivo

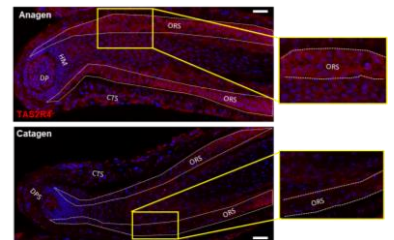
S. Altendorf, M. Fehrholz, M. Geyfman, N. Poloso, F. Jimenez, H. Erdmann, T. Bíró, R. Paus, M. Bertolini



P571

Human hair follicles can "taste": Stimulation of the bitter taste receptor TAS2R4, inhibits hair growth ex vivo by up-regulating TGF- $\beta$ 2

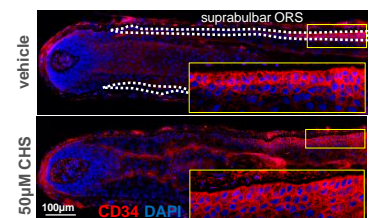
J. Gherardini, T. Rouillé, M. Fehrholz, W. Funk, J. Rodríguez-Feliz, A. J Bauman, T. Bíró, J. Chéret, R. Paus



P572

Olfactory Receptor 2A4/7 Activation by the Fragrance, Cyclohexyl Salicylate, Promotes Human Hair Follicle Growth and Stem Cell Progeny Expansion

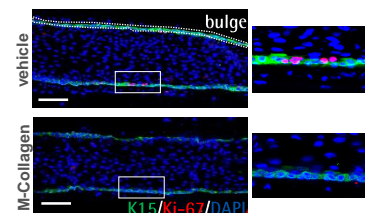
J. Edelkamp, D. Pinto, H. Erdmann, T. Purba, F. Jimenez, R. Paus, M. Bertolini



P573

Marine and Bovine-Derived Collagen Peptides Inhibit Catagen Development and Generate Diverse Effects on Stem Cells and Progeny in Human Scalp Hair Follicles Ex Vivo.

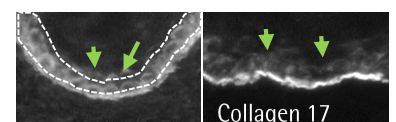
K. Pappelbaum, N. Virgilio, F. Jimenez, W. Funk, J. Prawitt, B. van der Steen, M. Bertolini



P581

Spontaneous, Intrinsic Aging in Organ-Cultured Human Skin as Novel Ex Vivo Assay to Test Candidate Anti-Aging Actives

T. Biro, M. van Lessen, A. Mardaryev, D. Broadley, C. Mauri, M. Bertolini, J. Edelkamp, R. Paus

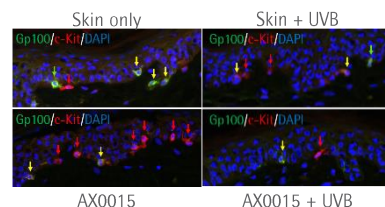


## e-Posters

**LB053**

Interleukin-15 inhibition ameliorates atopic dermatitis lesions experimentally induced in xenotransplanted human skin

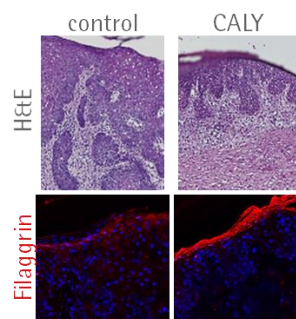
I. Piccini, O. Egriboz, A. Keren, A. Gilhar, A. Vicari, M. Bertolini



**LB055**

Semaphorin-4A secretion from melanocytes may contribute to a melanocytes-nerve fibers paracrine cross-talk that enhances UVB-induced melanogenesis

O. Egriboz, M. Tsutsumi, I. Piccini, K. Kajiya, M. Bertolini



Contact us for more information or to arrange a personal meeting



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