



2nd International Training Course
Hair Biology & Translational Research in a Nutshell
Münster, Germany

Chairs **Professor Ralf Paus**
(University of Miami, Miami, USA; University of Manchester, Manchester, UK; CEO, Monasterium Laboratory GmbH, Münster, Germany)
Dr. Marta Bertolini
(CSO & Deputy General Manager, Monasterium Laboratory GmbH, Münster, Germany)

Preliminary Program

Day 1: Thursday 9th, June 2022, Schloß Wilkinghege, Münster

Time	Program
11:00 – 13:00	Registration, Welcome drinks, <u>Poster-Viewing</u> , Finger food-Lunch, Coffee
13:00 s.t. – 13:10	Welcome & Course introduction Prof. Ralf Paus & Dr Marta Bertolini
13:10 – 13:30 15+5	Functional anatomy of the pilosebaceous unit: The multiple hidden lives of evolution's most fascinating mini-organ Prof. Ralf Paus
13:30 – 14:00 20+10	Human hair cycle control, and targets for therapeutic intervention Dr. Mikhail Geyfman, Irvine

14.00 – 14:30 20+10	Biology and diversity of the hair shaft and cosmetic/nutraceutical strategies for improving hair shaft quality Dr. Gill Westgate, Bradford
14:30 – 15:00 20+10	Human hair follicle epithelial stem cells: biology, markers, and therapeutic relevance Dr. Andrei Mardaryev, Bradford & Hamburg
15:00-15:45	Coffee Break & Poster Viewing
15:45 – 16:15 20+10	Hair follicle pigmentation, melanocyte stem cells, hair greying and re-pigmentation strategies Prof. Desmond Tobin, Dublin
16:15 – 16:45 20+10	Human hair follicle metabolism and how to target it therapeutically Prof. Mike Philpott, London
16:45 – 17:15 20+10	The hair follicle as a chemosensory organ: hair growth manipulation by odorants, tastants, and other chemosensory non-drugs Prof. Tamás Bíró, Münster, Hamburg & Debrecen
17:15 – 17:45 20+10	Human hair follicle and scalp microbiome: A hidden master regulator of hair biology? Dr. Janin Edelkamp, Münster
17:45 – 18:15	Coffee break & Poster Viewing
18:15 – 18:45 20+10	Hair follicle miniaturization in male and female pattern hair loss and its reversal: challenges and perspectives Prof. Andrew Messenger, Sheffield
18:45 – 19:15 20+10	Clinical Immunopathology of the hair follicle and how to therapeutically target it: From alopecia areata to scarring alopecias Prof. Ralf Paus
19:15 – 19:45 20+10	The hair follicle-psoriasis connection: What is so special about scalp psoriasis? Prof. Kristian Reich, Hamburg
20:00 – ...	Joint Dinner (Schloßkeller, Wilkinghege Palace)

Day 2: Friday 10th, June 2022, Monasterium Laboratory, Münster

Time	Program
9:00 – 9:30 20+10	Techniques and frontiers in hair transplantation Prof. Francisco Jimenez, Las Palmas de Gran Canaria
9:30 – 10:00 20+10	Cell-based and cell free hair regeneration strategies Prof. Kevin McElwee, Vancouver & Bradford
10:15 – 10:45 20+10	Acne vulgaris and hidradenitis suppurativa as diseases of the distal hair follicle epithelium: Pathobiology and novel therapeutic strategies Prof. Maurice van Steensel, Singapore
10:45 – 11:15 20+10	<i>In vitro</i> and <i>ex vivo</i> hair research models: Key assays for clinically relevant human hair research Dr. Marta Bertolini
11:15 – 11:30	Coffee Break
11:30 – 12:00 20+10	Humanized mouse models for studying human hair growth and hair diseases <i>in vivo</i> . Prof. Amos Gilhar, Haifa
12:00 – 12:20 15+5	Chemotherapy-induced alopecia: a major unmet medical need and intervention opportunity Prof. Ralf Paus
12:20 – 13:00	Q & A Session: Which hair research models are best suited for addressing which hair research question(s)? Dr. Marta Bertolini, Prof Ralf Paus & selected faculty
13:00 – 13:45	Lunch Buffet & informal networking, <u>final poster viewing</u>
13:45 – 15:30	Lab tours & assay demonstrations
15:30 – 16:00	Individual networking with selected Monasterium Laboratory team members (R.S.V.P.) End of meeting

