

Münster/Germany, 7-8<sup>th</sup> June 2019

MONASTERIUM LABORATORY SKIN & HAIR RESEARCH SOLUTIONS GmbH

1<sup>ST</sup> ML INTERNATIONAL TRAINING COURSE

## HAIR BIOLOGY & TRANSLATIONAL HAIR RESEARCH IN A NUTSHELL

<b>Day 1</b> <b>9:30-10:30</b>	<b>Registration and morning coffee</b>	
11:00-11:20	Welcome & Introduction: The hair follicle as a fascinating mini-organ	<b>Ralf Paus</b>
11:20 - 12:00	Human hair follicle anatomy, cycle and growth control; pharmacological strategies to target key molecular players in human hair growth	<b>Natalia Botchkareva</b>
12:00 – 12:40	Structure , composition, measurement and controlled release of the hair shaft; cosmetic strategies for human hair growth	<b>Gill Westgate</b>
<b>12:50 - 14:00</b>	<u>Buffet lunch &amp; individual discussions</u>	
14:00 – 14:30	Hair follicle stem cells, dermal hair follicle cells, and their therapeutic promise	<b>Andrei Mardaryev</b>
14:30 – 15:00	Hair pigmentation, hair greying, and the potential for repigmentation	<b>Desmond Tobin</b>
15:00 - 16:00	General Discussion/ Q & A Session: Hair follicle neogenesis, “hair cloning”, cell transplantation and new drug developments for hair loss	<b>Discussion Chairs:</b> <b>Francisco Jimenez Acosta, Gill Westgate &amp; Ralf Paus</b>
<b>16:00 - 16:15</b>	<u>Coffee/Tea Break</u>	

16:15 - 16:45	How to revert hair follicle miniaturisation: in male and female pattern hair loss: challenges & perspectives	<b>Ralf Paus</b>
16:45 - 17:15	Techniques and frontiers in hair transplantation.	<b>Francisco Jimenez Acosta</b>
17:15 - 17:45	Clinical immunology of the hair follicle: Lessons from alopecia areata	<b>Marta Bertolini</b>
<b>Day 2</b> 9:00 -9:30	How should new ideas for human hair growth/pigmentation-targeting agents be tested preclinically?	<b>Ralf Paus</b>
09:30 - 10:00	Organ culture models to study human hair growth ex vivo	<b>Janin Lehmann &amp; Marta Bertolini</b>
10:00 – 10:30	Current and next generation In vitro models for studying hair follicle cell responses to test agents	<b>Janin Lehmann</b>
10:30 – 11:00	Humanized mouse models for studying human hair growth and hair diseases in vivo,	<b>Amos Gilhar</b>
11.00-11.20	<u>Coffee break</u>	
11:20 - 12:20	Nutraceuticals as hair growth promoters – An industry perspective	<b>Giammaria Giuliani</b>
12.20 – 13.00	<b>Debate Session:</b> Which research developments in the hair growth/pigmentation sector are most interesting for industry over the next 10 years?	<b>Discussion chaired by Desmond Tobin &amp; Ralf Paus</b>
13.00	Tour of ML labs with Buffet Lunch, collaboration discussions	
15:00	End of meeting	