



# EBRS Trainee Day 2019

Sunday, 25. August 2019

Organized by: Sara Bernardez, Anna Biller, Steven Brown, Fernando Cázarez-Márquez, Marina Chugunova, Paola Cusumano, Marta Del Olmo, Louise Ince, Anayanci Masis-Vargas, Hien Ngoc Du, Jacqueline Vicario

Time of Session		Speaker	Topic	Session Descriptions
Beginn	End			
09:00	09:50	Frank Scheer (Harvard University, Boston)	<b>Opening Lecture Translational Chronobiology: Clocks in Health and Disease</b>	
10:00	11:50	Martha Merrow (Ludwig Maximilian University) Mino Belle (University of Exeter)	<b>An Introduction to Basic Concepts in Chronobiology</b>	Learn anew or refresh your memory: fundamental building blocks of chronobiology are presented in this session. Find out how daily movements of bean plants are connected to jet lag. Zeitgebers, biological markers, and much more, including the questions you always wanted to ask.
10:00	10:50	Steven Brown (University of Zurich) Jenn Evans (Marquette University)	<b>The Transition to your Next Position: Tips and Tricks</b>	During your PhD you have worked hard and developed amazing skills. But it is time to think about your future options. How do you start, and what are the steps toward making a successful transition, either inside Academia or outside it?
10:00	10:50	Noga Kronfeld-Schor (Tel Aviv University)	<b>Clocks in the Wild</b>	Laboratory conditions are tightly regulated models, a simplified version of a more complex reality. Do wild mice use running wheels? How does group social behaviour or human presence influence activity patterns? Does the early bird really catch the worm? Step outside the lab bubble for an hour, and let's see how much of what we think we know holds true in the wild!
11:00	11:50	Ken Wright (University of Boulder) Phyllis Zee (Northwestern University)	<b>Technologies to Measure Human Clock Properties in the Laboratory</b>	Human research - bliss for some, curse for others! While research on animals is often easier and less time consuming than research on humans, some say that it lacks the beauty of working with real people. Learn about the latest state-of-the-art methods to study human clock properties in the lab with all its drawbacks, difficulties, and possibilities!
11:00	11:50	Till Roenneberg (Ludwig Maximilian University)	<b>Asking the Right Questions in Science</b>	The French philosopher Claude Levi-Strauss once said "a scientist is not a person who gives the right answers, he is one who asks the right questions". Some of the most exciting science discoveries (Archimedes' principle, Newton's theory of gravitation, Fleming's penicillin...) would have never happened without the right question. Come and get started; your right question awaits.
12:00	13:20		<b>Looping Lunch</b>	Lunch is provided free for participants. In addition, we have designed some simple activities to help you to meet your colleagues.
13:30	15:30	Bharath Ananthasubramaniam (Humboldt University)	<b>Statistical methods to analyze biological rhythms</b>	There are many proposed methods for circadian rhythm analysis. Often, it is unclear where to start and what methods to choose? Come and find out in this interactive session, how to analyze your data using R.
13:30	14:20	Hiroki Ueda (University of Tokyo/RIKEN) Marco Brancaccio (Imperial College)	<b>Cutting-Edge Technologies for Rodent Chronobiology</b>	It is often said that new techniques power new ideas. With the invention of high-throughput technologies and methods for selective manipulation and long-term monitoring of cells and tissues, it is possible to ask questions that were impossible even a few years ago. Find out about some of these methodologies from people whose labs use them routinely!
13:30	14:20	Debra Skene (University of Surrey) Elise Facer-Childs (University of Monash)	<b>Science communication: Disseminating Your Research Findings</b>	The science of biological rhythms is of growing interest in our society. Mostly, we communicate our knowledge by writing papers. But what else can we do? From professional posters to Social media, podcast, YouTube, find out how to present your science dynamically and well.
14:30	15:20	David Hazlerigg (Arctic University of Norway) Shona Wood (Arctic University of Norway)	<b>Beyond the circadian clock</b>	The circadian clock has been extensively studied and is well understood, the fundamental importance of circadian scale timing is now seen as encompassing all areas of biology from health, to development and behaviour. However, timing on
14:30	15:20	Beth Klermann (Harvard University) Hanspeter Hertzel (Humboldt University)	<b>Introduction to Mathematical Models in Chronobiology</b>	We are often scared when we see long and complex equations in papers or presentations, but we shouldn't be! Mathematical models are often helpful and can even help us predicting how a system will behave under certain conditions! Come and hear some answers to questions such as "why do we care about modeling in chronobiology?" and "what can models teach us?". We promise to take your math-fear away!
15:30	16:20	Rae Silver (Columbia University)	<b>Closing Lecture: The SCN, Then and Now</b>	
17:00			<b>EBRS Conference starts (Plenary lecture at 17:00)</b>	

<b>Blue: Basic</b>	<b>Green: Animal</b>
<b>Orange: Career Development</b>	<b>White: Interdisciplinary</b>
<b>Red: Human</b>	<b>Yellow: Double-length sessions</b>