



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

INSTITUT FÜR MEDIZINISCHE PSYCHOLOGIE



2019 Chronobiology Training Program

Location: LMU Munich

Program

Saturday 9 November

17:30	Welcome/Registration
18:30	Group outing into the city

Sunday 10 November

Time	Format	Teacher	Title
9:00	Welcome	Martha Merrow	Introductions
9:30	Lecture	Mary Harrington Smith College	What is a biological clock?
11:00	Coffee break		
11:30	Lecture	Achim Kramer Charite Berlin	Molecular Mechanisms of the Circadian Clock
13:00	Lunch		
13:45	Datablitz I	Students	1.5 min each!
14:30	Workshop (incl. coffee break)	Maria Robles LMU Munich Steve Brown Uni Zürich	Clock controlled genes: Omics approaches
17:30	End		

Monday 11 November

Time	Format	Teacher	Title
9:30	Lecture	Russell Foster Oxford	Photoreception for animal circadian clocks: Photopigments to Behaviour
11:00	Coffee break		
11:30	Lecture	Till Roenneberg LMU Munich	Entrainment and Chronotype
13:00	Lunch		
13:45	Datablitz II	Students	1.5 min each!
14:30	Workshop (incl. coffee break)	Till Roenneberg LMU Munich Elisabeth Klerman Harvard U	Formalisms
17:30	End		

Tuesday 12 November

Time	Format	Teacher	Title
9:30	Lecture	Ralf Stanewsky Uni Münster	The clock in the fly
11:00	Coffee break		
11:30	Lecture	Alex Webb Cambridge	Green clocks: daily timing in plants from molecules to behaviour
13:00	Lunch		
13:45	Datablitz III	Students	1.5 min each!
14:30	Workshop (incl. coffee break)	Alex Webb Cambridge Stefanie Monecke LMU Munich	Photoperiodism and seasonal behaviours
17:30	End		

Wednesday 13 November FREE DAY!!**Thursday 14 November**

Time	Format	Teacher	Title
9:30	Lecture	Russell Foster Oxford	Circadian Organisation: Multiple clocks, photoreceptors and output pathways
11:00	Coffee break		
11:30	Lecture	Stuart Peirson Oxford	Sleep and Alertness: mechanisms regulating these profoundly complex behaviours
13:00	Lunch		
13:45	Posters		
14:30	Workshop (incl. coffee break)	Charlotte Helfrich- Förster Uni Würzburg, Monika Stengl Uni Kassel	Neurobiology of Circadian Systems
17:30	End		

Friday 15 November

Time	Format	Teacher	Title
9:30	Workshop (incl. coffee break)	HansPeter Herzel Humboldt Uni Jaekyoung Kim KAIST	How to model the clock
13:00	Lunch		
14:00	Lecture	Sato Honma Sapporo	Mammalian Circadian Neurobiology
15:15	Coffee break		
15:45	Lecture	Aarti Jagannath Oxford	Translational Chronobiology
17:00	Lecture	Silke Kiessling TU Munich	The clock and the gut microbiome
18:00	Banquet		

Saturday 16 November

Time	Format	Teacher	Title
9:30	Lecture	Eva Schernhammer Vienna/Harvard	Epidemiology methods to discover clock principles
11:00	Coffee break		
11:30	Lecture	Vlad Vyazovskiy Oxford	Electrophysiology and sleep
13:00	Lunchtime Research Seminars	Drs. Zheng Eelderink-Chen and Francesca Sartor Dr. Eva Winnebek Anna Biller Dr. Neta Tuvia Anne Marie Finger Dr. Dominic Landgraf	Are There Circadian Clocks in Non-Photosynthetic Bacteria? The pulse of sleep - studying human sleep cycles in real life and large numbers Teenage owls and early school: can changes in school start times improve teenage sleep? Hormonal regulation of circadian rhythms Studying molecular mechanisms of inter-oscillator coupling in peripheral oscillator networks Bidirectional Connections between Disturbed Circadian Clocks and Psychiatric Disorders
14:30	Workshop	Dominic Landgraf	Circadian Clocks and ill health
15:45	Coffee break		
16:15	Discussion	All Faculty	Resolution of 'the summer school question'
17:30	Evaluation and Feedback	All Faculty	
18:00	End!		

Sunday 17 November

Departure or Free Day

(Please note that an EBRS/LMU Munich Chronobiology Symposium

**“The circadian clock and its pervasive impact on metabolism
From behavior to mechanism”**will be held in Munich on **Monday 18 November 2019.**)