



**24. – 28. July 2022**

*Be On Time!*



**XVII**

**EUROPEAN BIOLOGICAL RHYTHMS SOCIETY**

**CONGRESS**

**in Zurich, Switzerland**

**PROGRAM**



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# Committees

## Organizing Committee

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University of Zurich, Switzerland

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University of Zurich, Switzerland

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Strasbourg

**France**

**Alena Sumová**

Institute of Physiology  
Academy of Sciences of the  
Czech Republic  
**Czech Republic**

## General Information

### Dates and opening hours

	Congress	Registration	Poster Sessions	Exhibition	Trainee Day
Sunday, 24. July	16:30 – 20:00	14:00 – 20:00			09:00 – 16:20
Monday, 25. July	09:00 – 19:00	08:30 – 18:00	12:30 – 14:00	08:30 – 19:00	
Tuesday, 26. July	09:00 – 19:00	08:30 – 18:00	12:30 – 14:00	08:30 – 19:00	
Wednesday, 27. July	09:00 – 12:30	08:30 – 13:00		08:30 – 19:00	
Thursday, 28. July	09:00 – 18:30	08:30 – 13:00	12:30 – 14:00	08:30 – 19:00	

### Venue address:

**University of Zurich**  
 Irchel Campus  
 Winterthurerstrasse 190  
 8057 Zurich  
 Switzerland

*Map and more details are also available on the website of the congress*

### Congress Dinner

Wednesday, 27. July at 19:30h  
 Please register if you wish to attend

### Badges

Each registered participant will receive a name badge upon arrival. For organizational and security reasons, we ask that all participants and exhibitors wear their badges at all times during the congress activities.

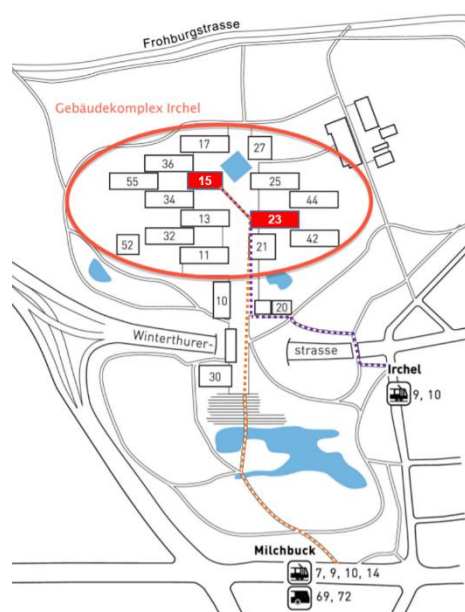
### Abstract book

Abstract book is available on the website of the congress: [www.ebrs2022.uzh.ch](http://www.ebrs2022.uzh.ch)

### WIFI

Most universities and research institutions use eduroam. Members of such institutions have internet access in the public areas of the UZH via the WLAN network *eduroam*. We recommend testing eduroam access at your home university in advance to ensure that the configuration is correct.

Or, as a guest at UZH, you can access the Internet everywhere where there is WLAN access: Simply select the WLAN network *uzh-guest*. After doing so, accept the terms of service and fill in the registration form with your mobile phone number. Then, you will receive an access code by text message, which allows you to unlock Internet access. This option is available for all cell phone carriers that allow the receiving of SMS (text messages) in Switzerland.



## Acknowledgement

EBRS 2022 is grateful to the following institutions and organizations for their support of the XVII Congress of the European Biological Rhythms Society.



**University of  
Zurich** UZH



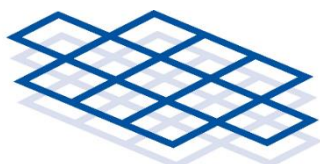
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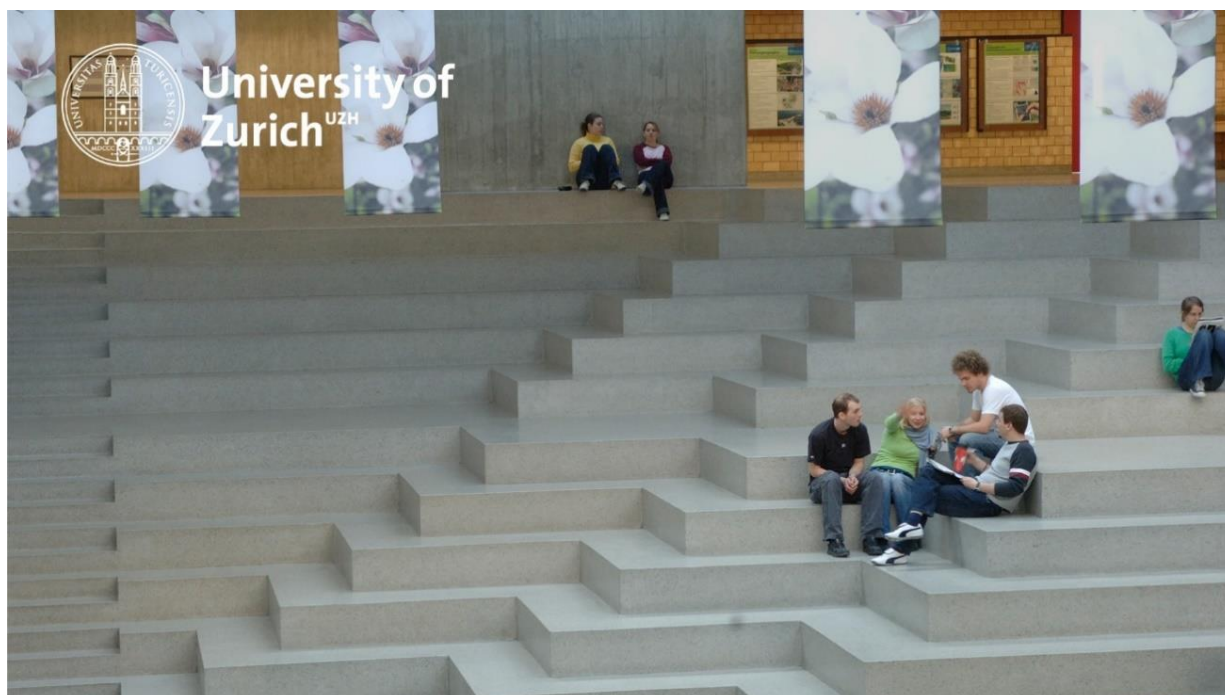
Frontiers in **Physiology**

# Program

Sunday 24. July 2022

<b>09:00 – 15:30</b>	<b>Trainee Day</b> Organized by the Young Researchers Committee of the EBRS	
<b>09:00 – 09:15</b>	<b>Welcome</b>	Young Researcher Committee
<b>09:15 – 10:00</b> Rm Y15-G40	<b>Keynote</b> An unexpected journey from spatial to temporal gene expression	Ueli Schibler
<b>10:15 – 11:00</b>	<b>Trainee Day Session 1</b>	
Rm Y15-G20	Translational research: bridging the gap between basic and clinical science in chronobiology	Phyllis Zee
Rm Y15-G40	From mimosas to -omics... history of chronobiology	Martha Merrow
Rm Y15-G60	Long term effects of flight pollution on rodents and amphibians	Noga Kronfeld-Schor
<b>11:00 – 11:15</b>	<b>Break</b>	
<b>11:15 – 12:00</b>	<b>Trainee Day Session 2</b>	
Rm Y15-G20	Asking the right questions in science	Till Roenneberg
Rm Y15-G40	Getting your message across...at the talk, the poster and the bar	Steven Brown
Rm Y15-G60	Lives of researchers in different countries	Aarti Jagannath David Virshup & Yoshitaka Fukada
<b>12:00 – 13:15</b>	<b>Lunch networking game</b>	
<b>13:15 - 15:00</b>	<b>Trainee Day Session 3</b>	
<b>13:15 – 14:00</b> Rm Y15-G20	High tech methods in chronobiology	Erik Herzog & Debra Skene
Rm Y15-G40	Circadian Clocks: a driving force of rhythmic physiology	Charna Dibner
<b>13:15 – 15:00</b> Rm Y15-G60	Analyzing circadian rhythms with “Big Data” and/or machine learning	Bharath Ananthasubramaniam
<b>14:00 – 15:00</b>	<b>Trainee Day Session 4</b>	
Rm Y15-G20	Transitions to postdoc or industry?	Achim Kramer & Andrea Spinnler
Rm Y15-G60	The importance of self-regulation skills for pre- and postdoctoral students	Peter Gollwitzer
<b>15:15 – 15:30</b>	<b>Closing remarks</b>	Young Researcher Committee

<b>14:00 – 16:00</b>	<b>Registration EBRS 2022 congress</b>	Lichthof
<b>16:00</b> Rm Y15-G40	<b>Congress Opening / Meeting Welcome</b> <i>Martha Merrow, DE &amp; Steven Brown, CH</i>	
<b>16:15</b> Rm Y15-G40	<b>Daylight Academy Symposium:</b> <b>Daylight and Healthy Ageing in Modern Society</b> <i>Chair: Oliver Stefani, CH</i>	
16:15	Introduction: The importance of daylight	Oliver Stefani, CH
16:30	How much sleep do we need? How much social jetlag can we tolerate? New insights thanks to Corona.	Till Roenneberg, DE
17:00	Timing of light exposure and food intake on cardio- metabolic disease risk.	Phyllis Zee, US
17:30	Metabolomics of shifted clocks, sleep and food timing.	Debra Skene, UK
18:00	PosterBlitz: Around the Week in 30 Posters <i>Chair: Anna Biller, DE</i>	Diverse participants
<b>18:30</b>	<b>Welcome Reception</b> sponsored by the Canton and City of Zurich, and Zurich Tourism	Lichthof





## Monday 25. July 2022

<b>08:30 - 09:00</b>	Coffee available in foyer Lichthof	
<b>09:00 - 09:45</b>	<b>Kappers Lecture</b>	
Rm Y15-G40	<i>Chair: Steven Brown, CH</i> Why is the SCN such a brilliant timepiece?	Prof. Michael Hastings, UK
<b>09:45 - 10:15</b>	<b>Coffee Break</b>	
<b>10:15 - 12:30</b>	<b>Parallel Sessions 1:</b>	
	<b>1. The Right Time for Immune Health</b>	
Rm Y15-G40	<i>Chair: Chun-Xia Yi, NL</i>	
10:15	> Circadian rhythms in adaptive immunity	Julie Gibbs, UK
10:40	> Circadian control of the immune system	Christoph Scheiermann, CH
11:05	> The impact of time of day of vaccine administration on anti-spike IgG antibody levels	Kyriaki Papantoniou, AT
11:20	> Hypercaloric diet and time-restricted feeding reprogram microglial day-night immunity	Chun-Xia Yi, NL
11:45	> Circadian control of inflammation	David Ray, UK
12:10	> The Clock is ticking for HIV-1	Helene Borrmann, UK
<b>10:15 - 12:30</b>	<b>2. The Nuts and Bolts of Circadian Function in Diverse Species</b>	
Rm Y03-G85	<i>Chair: Eva Wolf, DE</i>	
10:15	> A structural understanding of clock function	Eva Wolf, DE
10:40	> A reductionist approach to the circadian clockwork	Hanspeter Herzog, DE
11:05	> CLOCK-BMAL1 and MYC-MAX leverage histone contacts for DNA motif recognition	Alicia Michael, CH
11:20	> Molecular clock mechanisms in crop and model plants	Alex Webb, UK
11:45	> Casein kinase 1 and disordered clock proteins form functionally equivalent phospho-based circadian modules in fungi and mammals	Michael Brunner, DE
12:10	> Pick your phosphosite-pick your timing: Casein Kinase 1 regulation of PER2	David Virshup, US
<b>10:15 - 12:30</b>	<b>3. Clocks: Symbiosis and Biome</b>	
Rm Y03-G91	<i>Chair: Silke Kiessling, UK</i>	
10:15	> Biological clocks in cnidarians: symbiotic aspects	Oren Levy, IL
10:40	> KILLING TIME: biological rhythms in host-parasite interactions	Sarah Reece, UK
11:05	> Self-Organized Macroscopic Waves Reveal Intrinsic Rhythms in a Giant Single-Celled Organism Feeding on Light	Eldad Afik, US
11:20	> The circadian regulation of microbiota and gastrointestinal health	Silke Kiessling, UK
11:45	> Microbial Exposure Resets Cellular Circadian Rhythmicity	Priya Crosby, US
12:10	> The role of the gut microbiome in chronotype tuning	Eran Tauber, IS
<b>10:15 - 12:30</b>	<b>4. Genetic and Neural Networks Specifying Circadian Function</b>	
RM Y03-G95	<i>Chair: Juergen Ripperger, CH</i>	
10:15	> A circadian circuit for social interactions	Han Kyoung Choe, KO
10:40	> Multi-omics correlates of insulin resistance and circadian function mapped directly from human serum	Hien Ngoc Du, CH
11:05	> Clock-to-clock communication in the adrenal gland	Iwona Olejniczak, DE
11:20	> Function of the SCN to promote food searching in mice	Juergen Ripperger, CH
11:45	> Naturally occurring Circadian-clock variation in Arabidopsis: lab and field studies	Seth Davis, UK

12:10	> Peripheral clocks gate-keep external signals to ensure continued tissue homeostasis	Thomas Mortimer, ES
<b>12:30 - 14:00</b>	<b>LUNCH BREAK &amp; POSTER SESSION A</b>	
<b>14:00 - 16:10</b>	<b>Parallel Sessions 2:</b>	
	<b>5. Diverse Approaches to Understanding Clocks and Sleep in Disease</b>	
Rm Y15-G40	<i>Chair: Sara Montagnese, IT</i>	
14:00	> Contribution from sleep & circadian research to the understanding of cognition and brain ageing	Christina Schmidt, BE
14:25	> Disturbance of daily rhythms in chronic illness	Sara Montagnese, IT
14:50	> Chronic inflammatory arthritis drives systemic changes in circadian energy metabolism	Polly Downton, UK
15:05	> Circadian control of dopaminergic neurodegeneration.	Emi Nagoshi, CH
15:30	> Epigenetic cause of human narcolepsy	Mehdi Tafti, CH
15:55	> Circadian rhythms telemonitoring for individualizing cancer risk and cancer care in real time	Francis Levi, FR
<b>14:00 - 16:10</b>	<b>6. Understanding Clock Circuits</b>	
Rm Y03-G85	<i>Chair: Mino Belle, UK</i>	
14:00	> How the liver breaks the SCN clock: Hepatic encephalopathy	Erik Herzog, US
14:25	> Pathways from the master clock to the brain	Tim Brown, UK
14:50	> Astrocytes regulate spatiotemporal circadian patterns of neuronal activity in the suprachiasmatic nucleus	Mareike Hoekstra, UK
15:05	> The glial glue of circadian control	Marco Brancaccio, UK
15:30	> Daily electrophysiology of SCN cells	Mino Belle, UK
15:55	> Circadian plasticity of dendritic spines	Elzbieta Pyza, PO
<b>14:00 - 16:10</b>	<b>7. Clocks in the Wild</b>	
Rm Y03-G91	<i>Chair: Barbara Helm, CH</i>	
14:00	> Self-organized social synchronization of circadian activity in honeybee colonies	Guy Bloch, IL
14:25	> Rhythms in the life of the marine diatoms	Angela Falciatore, FR
14:50	> The role of light in commensalism vs. anthropophobia in wild mice	Mila Kasavchinsky, IL
15:05	> Evolution of the sensory inputs to the circalunar clock of <i>Clunio marinus</i>	Duřica Briřevac, DE
15:30	> Multiple time points, far away: timing bird migration in a changing world	Barbara Helm, CH
15:55	> The abyss keeps time too	Audrey Mat, AT
<b>14:00 - 16:10</b>	<b>8. Timing across tissues</b>	
Rm Y03-G95	<i>Chair: Achim Kramer</i>	
14:00	> Rhythmic expression of glucocorticoid hormones	Stafford Lightman, UK
14:25	> Endocrine regulation of circadian metabolism	Henrik Oster, DE
14:50	> Resetting the clock is a molecular tug-of-war	Nina Rzechorzek, UK
15:05	> Molecular mechanisms connecting peripheral clocks	Achim Kramer, DE
15:30	> Internal desynchrony and the circadian CK1e tau mutation - unexpected impact on peripheral clockwork	Andrew Loudon, UK
15:55	> Circadian clocks during development	Alena Sumov, CZ
<b>16:10 - 16:40</b>	<b>Coffee break</b>	

<b>16:40 - 18:05</b>	<b>Organizer's Symposium: A Toolkit in Modern Neuroscience (Zürich Edition)</b>	
Rm Y15-G40	<i>Chair: Steven Brown, CH</i>	
16:50	> Learning and sleep in artificial neuronal networks	Benjamin Grewe, CH
17:15	> Noninvasive optoacoustic and fluorescence approaches for brain interrogation	Daniel Razansky, CH
17:40	> Single-cell transcriptomic survey of neuronal identity and circuit connectivity	Csaba Földy, CH
<b>20:30</b>	<b>Teatro di Capua: Tango!!!</b>	

## Tuesday 26. July 2022

<b>08:00 - 09:00</b>	<b>EBRS Board Meeting (by invitation only)</b>	
Rm Y17-J05		
<b>08:30 - 09:00</b>	Coffee available in foyer	
Lichthof		
<b>09:00 – 09:45</b>	<b>Axelrod Lecture</b>	
Rm Y03-G40	<i>Chair: Alena Sumová, CZ</i>	
	Chronocode on clock proteins signed by kinase signaling	Yoshitaka Fukada, JP
<b>09:45 - 10:15</b>	<b>Coffee Break</b>	
<b>10:15 - 12:35</b>	<b>Parallel Sessions 3:</b>	
	<b>9. The Path from Data to Insight</b>	
Rm Y15-G40	<i>Chair: Daniel Forger, US</i>	
10:15	> Omics leading to new drugs for sleep and clocks	Sri Vasudevan, UK
10:40	> Tracking sleep and circadian rhythms in the real world with wearables	Daniel Forger, US
11:05	> The past is not dead, it's not even past	Rona Aviram, FR
11:20	> Empirical modeling of circadian-omics datasets	Felix Naef, CH
11:45	> Shiftwork and the Epidemiological Risk of Disease	Eva Schernhammer, US
12:10	> Objective circadian phase, sleep and performance in elite athletes	Elise Facer-Childs, AU
<b>10:15 - 12:35</b>	<b>10. The SCN and its Neighborhood: From Neurons to Physiology</b>	
Rm Y03-G85	<i>Chair: Hugh Piggins, UK</i>	
10:15	> Lateral hypothalamic influences beyond sleep and eating	Dennis Burdakov, CH
10:40	> Aging changes excitation-inhibition balance in the SCN neuronal network.	Stephan Michel, NL
11:05	> Phase organization of multiple circadian clocks	Jihwan Myung, TW
11:20	> Brain oscillators beyond the SCN	Hugh Piggins, UK
11:45	> Dissecting the central circadian pacemaker	Jun Yan, CN
12:10	> SCN-mediated glucose entry into the arcuate nucleus determines the daily rhythm in blood glycemia	Betty Rodriguez-Cortez, MX
<b>10:15 - 12:35</b>	<b>11. Connecting Clocks to Metabolic Homeostasis</b>	
Rm Y03-G91	<i>Chair: Ganna Panasyuk, FR</i>	
10:15	> Genetic insights into circadian metabolism	Damjana Rozman, SI
10:40	> Mitochondrial control of adaptive thermogenesis in insects a circadian perspective	Rodolfo Costa, IT
11:05	> Diurnal regulation of hepatic metabolism by the glucocorticoid receptor	Konstantinos Makris, DE

11:20	> Temporal feeding strategies reprogram physiology	Carolina Escobar, MX
11:45	> Nutrient sensing mechanisms for the clock	Ganna Panasyuk, FR
12:10	> Timing exercise to synchronize disturbed metabolic rhythms	Andries Kalsbeek, NL
<b>10:15 – 12:25</b>	<b>12. Post-translational Mechanisms and Novel Timing</b>	
Rm Y03-G91	<i>Chair: Robert Dallmann, UK</i>	
10:15	> Phosphorylation of GAPVD1 Is Regulated by the PER Complex and Linked to GAPVD1 Degradation	Hans Reinke, DE
10:40	> Why are circadian clock cells also ultradian clocks?	Monika Stengl, DE
11:05	> Circadian rhythm of protein-protein interactions and post-translational modifications in the clock protein complex	Yuta Otobe, JP
11:20	> Distinct molecular clockworks underlying hierarchically organized pacemaker neurons	Jae Kyoung Kim, KO
11:45	> Circadian regulation of blood brain barrier permeability is regulated by Claudin-5	Robert Dallmann, UK
12:10	> Mechanical control of the fibroblast circadian clock via YAP/TAZ	Juan Abenza, ES
<b>12:35 - 14:00</b>	<b>LUNCH BREAK &amp; POSTER SESSION B</b>	
<b>14:00 - 16:10</b>	<b>Joint Session 1: Japanese Society for Chronobiology</b>	
Rm Y15-G40	<i>Chair: Masao Doi, JP &amp; Martha Merrow, DE</i>	
14:00	> Clocks and Temporal Orders in Physiology	Kazuhiro Yagita, JP
14:25	> Circadian steroidogenesis and ageing-associated disease	Masao Doi, JP
14:50	> GRP Neurons in the SCN play an Essential Role in Regulating Behavioral and Molecular Circadian Rhythms	Ruth Li, JP
15:05	> Circadian clocks: Major players in the stem cell niche	Salvador Benitah, ES
15:30	> Interplay between clocks, sleep and metabolism in humans	Ken Wright, US
15:55	> Selected Abstract, TBA	
<b>14:00 - 16:10</b>	<b>Joint Session 2: European Sleep Research Society</b>	
	<b>The Two-Process Model of Sleep Regulation: Forty Years</b>	
Rm Y03-G85	<i>Chair: Tom de Boer, NL &amp; Steven Brown, CH</i>	
14:00	> Introductory Remarks	Alexander Borbély and Irene Tobler, CH
14:15	> The Two Process Model: theory and application	Peter Achermann, CH
14:30	> Interactions between the circadian pacemaker and sleep	Tom De Boer, NL
14:55	> The in vivo circadian transcriptome behaves according to a sleep-wake driven harmonic oscillator	Paul Franken, CH
15:20	> Mechanisms of sleep homeostasis	Vlad Vyazovskiy, UK
15:45	> The-two process model and the -omics of human sleep and circadian health	Derk-Jan Dijk, UK
<b>16:10 - 16:40</b>	<b>Coffee break</b>	
<b>16:40 - 17:25</b>	<b>JSC Lecture:</b>	
	<i>Chair: Yoshitaka Fukada, JP</i>	
	Phosphorylation Hypothesis of Sleep	Hiroki Ueda, JP
<b>19:30</b>	<b>Züri Gastro!!!</b> Reservations at Restaurants of All Sorts. Meet with new friends and old, organized by the Young Researchers Committee.	

## Wednesday 27. July 2022

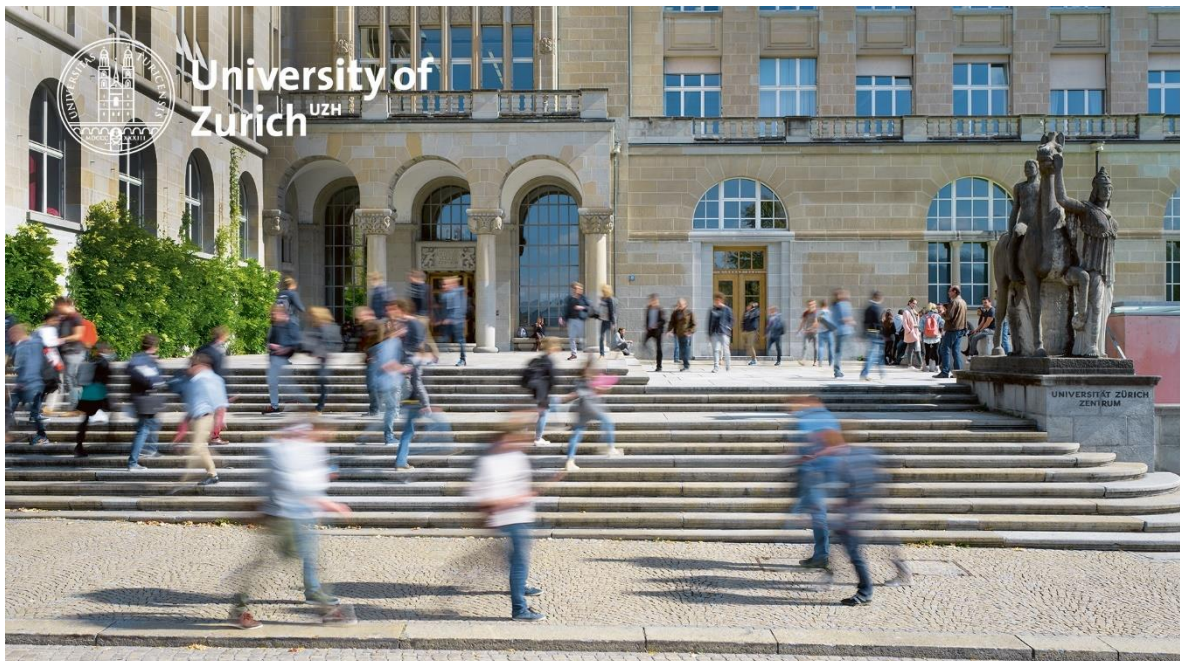
<b>08:15 - 09:00</b> Y15-G40	<b>EBRS Members' Assembly: Where do we go from here?</b> Coffee and croissants provided. Bring a mobile phone to vote.
<b>09:00 – 09:45</b> Rm Y15-G40	<b>Gwinner Lecture</b> <i>Chair: Noga Kronfeld-Schor, IS</i> Decoding time information from sun and moon Kristin Tessmar-Raible, AT
<b>09:45 - 10:15</b>	<b>Coffee Break</b>
<b>10:15 - 12:35</b>  Rm Y15-G40	<b>Parallel Sessions 4:</b> <b>13. From Clocks to Health and Function</b> <i>Chair: Charna Dibner, CH</i>
10:15	> Tissue clocks make metabolism run Charna Dibner, CH
10:40	> It's not the time of the clock, it's the time of your clock: Impact of sleep and circadian timing on cardiometabolic health Andrew McHill, US
11:05	> Chronodisruption of immune and metabolic response to endotoxin by light at night exposure Monika Okuliarova, HU
11:20	> Cell-autonomous regulation of viral infection Rachel Edgar, UK
11:45	> Circadian disruption and schizophrenia: insights from mouse models Nicolas Cermakian, CA
12:10	> Light affects behavioral despair involving the clock gene Period1 Urs Albrecht, CH
<b>10:15 - 12:35</b> Rm Y03-G85	<b>14. The Elephant in the Room: Are clocks what we think?</b> <i>Chair: Martin Ralph, CA</i>
10:15	> Temporal Regulation of Biological Function John O'Neill, UK
10:40	> Potassium rhythms couple the cell- and circadian cycle. Gerben van Ooijen, UK
11:05	> The molecular oscillators of the protochordate Botryllus schlosseri Rachel Ben-Schlomo, IL
11:20	> You don't need a clock to tell time Ak Reddy, USA
11:45	> An idea worth Acting on Gad Asher, IL
12:10	> Time sense and sensibility: An alternative perspective on temporal regulation and time memory Martin Ralph, CA
<b>10:15 - 12:35</b> Rm Y03-G91	<b>15. Clocks and Sleep in My Family and Other Animals</b> <i>Chair: Eva Winnebeck, DE</i>
10:15	> How start and recovery times in shift work determine sleep duration John Axelsson, SE
10:40	> Cryptochrome and magnetosensitivity in Drosophila Charalambos Kyriacou, UK
11:05	> Co-expression of diurnal and ultradian rhythms in the plasma metabolome of common voles Daan van der Veen, UK
11:20	> North-South, East-West & DST: human sleep and rhythms year round Eva Winnebeck, DE
11:45	> Arctic strategies for sleep and metabolism Sara Meier & Melanie Furrer, CH
12:10	> Changing daylight length and human sleep-wake regularities at high latitude Katharina Wulff, SE
<b>12:35 - 18:30</b>	<b>Free time or organized excursions</b>
<b>18:30</b>	City Tours (offered by Zurich Tourism)
<b>19:30</b>	Banquet: Zunfthaus zum Safran Presentation of the Kappers Medal 2022 Recipient Anna Wirz-Justice, CH

Thursday 28. July 2022

<b>08:30 - 09:00</b> Lichthof	Coffee available in foyer	
<b>09:00 - 09:45</b> Rm Y15-G40	<b>Keynote Lecture</b> <i>Chair: Jonathan Johnston, UK</i> Timing is medicine; time-restricted eating for the prevention and management of chronic diseases	Satchin Panda, US
<b>09:45 - 10:15</b>	<b>Coffee Break</b>	
<b>10:15 - 12:35</b> Rm Y15-G40	<b>Parallel Sessions 5:</b> <b>16. Circadian Regulation at the -Omics Scale</b> <i>Chair: Charo Robles, DE</i>	
10:15	> Phosphoproteomics of circadian signaling	Charo Robles, DE
10:40	> Cellular mechanisms connecting clocks to sleep	Aarti Jagannath, UK
11:05	> Mistimed sleep in humans disrupts glucocorticoid signaling transcripts driven by SP1, but not plasma cortisol	Simon Archer, UK
11:20	> Regulation of clock outputs in mammals and their translational application	Bharath Ananthasubramaniam, DE
11:45	> Understanding circadian transcription	Jérôme Menet, US
12:10	> The effect of night shifts on the 24-h regulation of the human transcriptome metabolome	Laura Kervezee, NL
<b>10:15 - 12:35</b> Rm Y03-G85	<b>17. Inputs: From Light to the Clock</b> <i>Chair: Stuart Peirson, UK</i>	
10:15	> Light and circadian plasticity in Drosophila	Francois Rouyer, FR
10:40	> Plants see light too	Christian Fankhauser, CH
11:05	> Sub-regions of the SCN receive a heterogeneous synaptic input from the retina	Hugo Calligaro, US
11:20	> What the SCN sees	Bea Banos, UK
11:45	> Dim light in the evening – mechanisms and consequences	Stuart Peirson, UK
12:10	> Retinal clocks and their influence upon circadian physiology	Marie-Paule Felder-Schmittbuhl, FR
<b>10:15 - 12:35</b> Rm Y03-G85	<b>18. Genetics and Epigenetics of Circadian Clocks, from Plants to Mammals</b> <i>Chair: Kiran Padmanabhan, FR</i>	
10:15	> Chromatin and licensing in plant clocks	Paloma Mas, ES
10:40	> Circadian transcriptional programming by hormonal responses	Henriette Uhlenhaut, DE
11:05	> Genetic regulation of chromatin accessibility regulation during sleep deprivation	Carlos Neves, CH
11:20	> Chromatin-state regulation of circadian function	Kiran Padmanabhan, FR
11:45	> Excess S-Adenosylmethionine disrupts rhythms and inhibits methylation via catabolism to adenine	Jean-Michel Fustin, UK
12:10	> Searching for novel SCN enhancer marks that could drive daily timekeeping	Akanksha Bafna, UK
<b>10:15 - 12:35</b> Rm Y03-G91	<b>19. A Season for Metabolism, Sleep, and Reproduction</b> <i>Chair: Valérie Simmoneaux, FR</i>	
10:15	> The Winter's Tale: circadian rhythms and metabolic challenges	Roelof Hut, NL
10:40	> RNA-sequencing unveils nuclei-specific patterns of transcription in seasonal Siberian hamsters	Calum Stewart, UK

11:05	> The winter blue-greens: how cyanobacteria predict winter	Maria Luisa Jabbur, US
11:20	> The European hamster: a circadian victim of climate change?	Stefanie Monecke
11:45	> Rhythms of reproduction, from mice to camel	Valérie Simonneaux, FR
12:10	> Perinatal Photoperiod Influences Adult period and Locomotor Activity	Rick van Dorp, NL
<b>12:35 - 14:00</b>	<b>LUNCH BREAK &amp; POSTER SESSION C</b>	
<b>13:15 - 14:00</b>	<b>TOPICAL DISCUSSION: The Circadian Dictionary</b> Moderators: John O'Neill, UK and Charlotte Helfrich-Förster, DE	
<b>14:00 - 15:40</b>	<b>Parallel Sessions 6:</b>	
	<b>20. Sleep: from circuitry to physiology</b>	
Rm Y15-G40	<i>Chair: Anita Lüthi, CH</i>	
14:00	> Thalamic and hypothalamic circuitry of sleep and wake	Carolina Gutierrez Herrera, CH
14:25	> Imaging sleep and DNA repair	Lior Appelbaum, IL
14:50	> Gating of sleep's internal dynamics by the noradrenergic locus coeruleus	Anita Lüthi, CH
15:15	> Understanding paradoxical sleep	Pierre-Hervé Luppi, FR
<b>14:00 – 15:40</b>	<b>21. Diverse Approaches to Adaptation and Evolution</b>	
Rm Y03-G85	<i>Chair: Noga Kronfeld-Schor, IS</i>	
14:00	> Using linked models to understand how clock gene sequences build whole-organism traits	Andrew Millar, UK
14:25	> Light at night as a selective agent on avian clocks	Marcel Visser, NL
14:50	> Integration of circadian and environmental cues	Antony Dodd, UK
15:15	> Effects of light pollution on fitness in rodents and amphibians	Noga Kronfeld-Schor, IL
<b>14:00 – 15:40</b>	<b>22. Insights into human circadian function</b>	
Rm Y03-G91	<i>Chair: Elizabeth Klerman, US</i>	
14:00	> Light at night and human health	Claude Gronfier, FR
14:25	> The value of chrononutrition	Jonathan Johnston, UK
14:50	> Inputs: From light to the clock	Manuel Spitschan, UK
15:15	> Light alters our need to sleep	Christian Cajochen, CH
<b>14:00 – 15:40</b>	<b>23. Connections from Clocks to Outputs</b>	
Rm Y03-G91	<i>Chair: Alessandra Stangherlin, DE</i>	
14:00	> Dynamic network organization of the SCN	Johanna Meijer, NL
14:25	> Circadian ion rhythms and the regulation of cellular physiology	Alessandra Stangherlin, DE
14:50	> Nonsense-mediated mRNA decay regulates circadian timekeeping in mammals	Georgia Katsioudi, CH
15:15	> Suprachiasmatic nucleus interaction with the Arcuate nucleus determines our daily physiology	Ruud Buijs, MX
<b>15:40 – 16:10</b>	<b>Coffee break</b>	
<b>16:10 – 17:40</b>	<b>Presidential Symposium</b>	
Rm Y15-G40	<i>Chair: Martha Merrow, Germany</i>	
16:10	Introduction	Martha Merrow, DE
16:25	> Human reproduction and the lunar cycle: the tale goes on	Charlotte Helfrich-Förster, DE

16:50	> Melatonin sensitivity and circadian rhythmicity in the enteric commensalism bacterium, <i>Klebsiella aerogenes</i>	Vincent Cassone, US
17:15	> Clock control of mRNA translation and translation fidelity	Deborah Bell-Pedersen, US
<b>17:40 – 17:50</b>	Closing Remarks	Steven Brown, CH





## List of Speakers and their affiliations

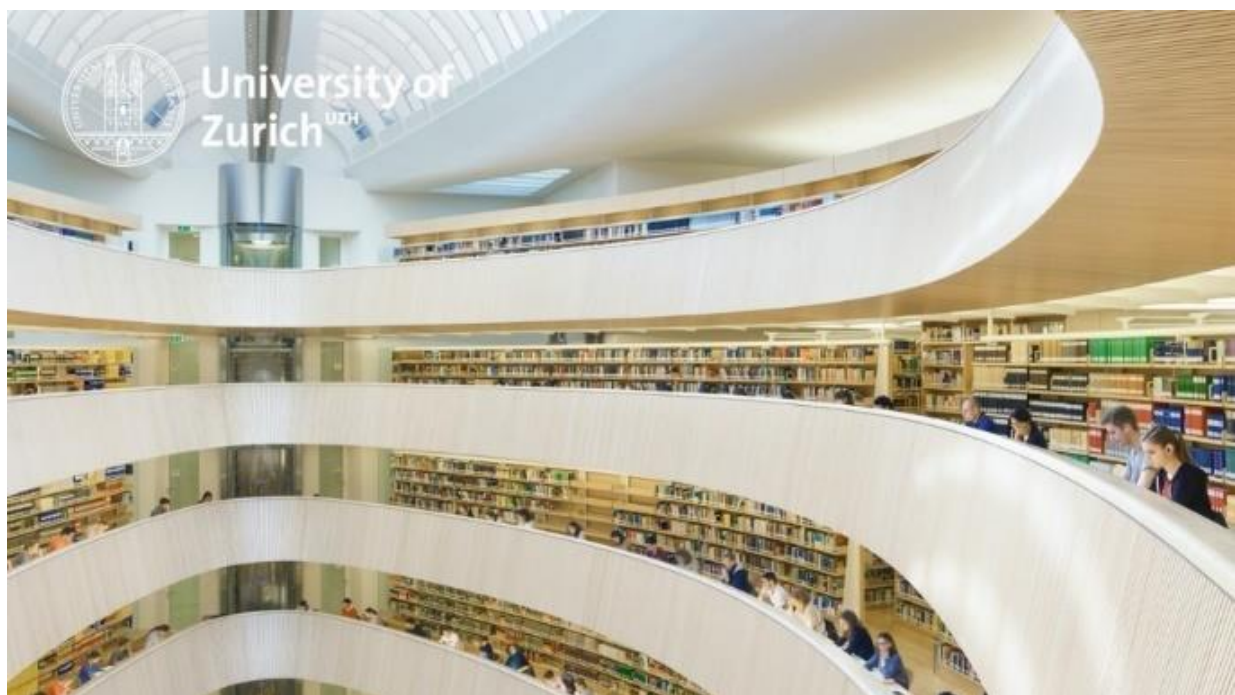
(in alphabetical listing)

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(in alphabetical listing)

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Ethan	Redmond	University of York, England
Hannah	Rees	Earlham Institute, England
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Kamila	Weissova	Masaryk University, Czech Republic
Katrin	Wendrich	University of Fribourg, Switzerland
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