

Conference Program

SUNDAY, OCTOBER 23, 2016

12:00-18:00	Registration	Hotel foyer
18:00-20:00	Dinner	The Eatery

MONDAY, OCTOBER 24, 2016

8:00-11:00	Registration	Hotel foyer
14:00-17:00	Registration	Hotel foyer

8:30-9:20			
Tenth Anniversary Celebration of the Chinese Society for Chronobiology			
Chaired by Han Wang			
Grand Ballroom			
9:20-10:00			
Group photo			
Front of the Hotel			
10:00-12:00			
Symposium: Translational Chronobiology I			
Chaired by Zhangwu Zhao and Dingjun Cai			
Grand Ballroom			
10:00-10:30	Jian Tong	Chronotoxicology	Soochow University, China
10:30-11:00	Zhangwu Zhao	Regulation of sleep by the short neuropeptide F (sNPF) in <i>Drosophila melanogaster</i>	China Agricultural University, China

11:00-11:30	Qianwen Ma	The research progress of miRNAs in the circadian clock	Nanjing University of Traditional Chinese Medicine, China
11:30-12:00	Dingjun Cai	Study on the correlation between the temporal dynamic changes of acupoint reactivity and the expression of TRPV1 & TRPV4 at different parts	Chengdu University of TCM, China
12:00-13:00	Lunch		The Eatery
13:00-14:00	Posters	Pre-function Area and Hallway	
14:00-16:00 Symposium on Translational Chronobiology II Chaired by Wanxian Yu and Shaozong Chen Grand Ballroom			
14:00-14:30	Shiqing Xu	<i>Per</i> knockdown in BmN cell lead to glycometabolism repression and further cell developmental disorder	Soochow University, China
14:30-15:00	Heqi Lu	Based on the time theory of Traditional Chinese Medicine to research the recovery of Sports Fatigue -- to discuss transformation chronobiology medicine	China Academy of Chinese Medicine Science, China
15:00-15:30	Suxia Li	Effects and underling mechanisms of short photoperiod on emotions of rats	Peking University, China
15:30-16:00	Wanxian Yu	The basic research of artificial intelligence technology of biological clock control for “brainpower” of humanity	Nanchang University, China
18:00-19:00	Dinner		The Eatery
19:00-20:00			

The General Meeting of the Chinese Society for Chronobiology

Chaired by Han Wang

Room VIP 2

TUESDAY 25, OCTOBER, 2016

8:00-11:00

Registration

Hotel foyer

14:00-17:00

Registration

Hotel foyer

8:00-8:25

Opening Ceremony

Chaired by Han Wang

Grand Ballroom

8:25-9:00

Group Photo

Front of the Hotel

9:00-9:50

Keynote Speaker 1: Kyungjin Kim

Korea Brain Research Institute, Korea

Circadian mood regulation

Introduced by Gi Hoon Son

Grand Ballroom

9:50-10:30

Coffee/tea break

Pre-Function Area

10:30-12:35

Symposium 1: Plant circadian rhythms

Chaired by Haiyang Wang and Lei Wang

Ballroom 1

10:30-10:55	Hong Gil Nam	Positive feedback regulation between the circadian clock and an aging regulator, <i>ORE1</i> , in plants	Center for Plant Aging Research, Institute for Basic Science, Korea
10:55-11:20	Rongcheng Lin	Circadian Clock Regulates Iron Homeostasis in <i>Arabidopsis</i>	Institute of Botany, Chinese Academy of Sciences, China
11:20-11:45	Hongtao Liu	The CRY2-CIB1-CO complex integrates blue light and timing information to control floral induction	Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China
11:45-12:10	Haiyang Wang	Molecular mechanisms of light input into the Circadian Clock in <i>Arabidopsis</i>	Chinese Academy of Agricultural Sciences, China
12:10-12:35	Lei Wang	Circadian clock regulates Glc-TOR signaling to modulate root meristem activity through Pseudo Response Regulators proteins in <i>Arabidopsis</i>	Institute of Botany, Chinese Academy of Sciences, China

10:30-12:35

Symposium 2: Entrainment, Photoperiodism and Seasonality

Chaired by Vinod Kumar and Rachel Ben-Shlomo

Ballroom 2

10:30-10:55	Vinod Kumar	Avian clocks and calendars: Insights into molecular regulation of timekeeping in songbirds	University of Delhi, India
10:55-11:20	Lily Yan	Seasonality in emotion and cognition	Michigan State University, USA
11:20-11:45	Sangeeta Rani	Circadian clock-dependent alterations in seasonal responses in Palaearctic-Indian nighttime migratory songbirds	University Lucknow, India
11:45-12:10	Rachel	Infradian and circadian oscillators	University of Haifa,

	Ben-Shlomo	in the urochordate <i>Botryllus schlosseri</i>	Israel
12:10-12:35	Keiji Matsumoto	Neuroendocrine mechanisms underlying photoperiodic control of seasonal reproduction in the brown-winged green bug <i>Plautia stali</i>	Kyoto University, Japan

12:35-13:20 **Lunch** **The Eatery**

13:20-14:00 **Posters** **Pre-function Area and Hallway**

14:00-16:05

Symposium 3: Clocks, cell cycle and diseases

Chaired by Leland Edmunds and Christopher Colwell

Ballroom 1

14:00-14:25	Leland Edmunds	Interplay between cell division cycles and circadian oscillators	Stony Brook University, USA
14:25-14:50	Christopher Colwell	Blue light therapy improves circadian dysfunction as well as motor symptoms in two mouse models of Huntington's disease	University of California Los Angeles, USA
14:50-15:15	Gi Hoon Son	Circadian rhythm of adrenal glucocorticoid: its regulation and physiological implications	Korea University, Korea
15:15-15:40	Johnni Hansen	Night-work and risk of cancer	Danish Cancer Society Research Center, Denmark
15:40-16:05	Mahmood Hussain	Circadian rhythms controlled by clock genes affect plasma lipids	Winthrop University Hospital, USA

14:00-16:05

Symposium 4: The circadian clock and physiology

Chaired by Andrew Chuanyin Liu and Jun Yan

Ballroom 2

14:00-14:25	Andrew Chuanyin Liu	Molecular Integration between the Circadian Clock and Cellular Physiology	University of Memphis, USA
14:25-14:50	Takao Miki	Interaction between tumor suppressors and the core circadian clock mechanism	Kyoto University Graduate School of Medicine, Japan,
14:50-15:15	Clara Peek	Circadian Clock Interaction with HIF1 α Mediates Oxygenic Metabolism and Anaerobic Glycolysis in Skeletal Muscle	Northwestern University, USA
15:15-15:40	Jun Yan	Circadian long non-coding RNAs mark enhancers mediating circadian gene expression	Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China
15:40-16:05	Tsuyoshi Hirota	Chemical regulation of the molecular clock	Nagoya University, Japan

16:05-16:30 Coffee/tea break Pre-Function Area

16:30-18:10

Symposium 5: Clocks and Behaviors

Chaired by Yoshitaka Fukada and Ying Xu

Ballroom 1

16:30-16:55	Ying Xu	Molecular mechanism for circadian timekeeping and time-dependent behavior	Soochow University, China
16:55-17:20	Yoshitaka Fukada	Circadian rhythms of hippocampus-dependent activities in mice	University of Tokyo, Japan
17:20-17:45	Masaki	The association between lifestyle	Waseda

	Takahashi	and circadian rhythm characteristics evaluated by clock gene expression in hair follicle cells in human	University, Japan
17:45-18:10	Han Kyoung Choe	Circadian modulation of circuitry underlying social behaviors	Daegu Gyeongbuk Institute of Science and Technology (DGIST), Korea
18:10-18:35	Shinya Aoyama	The control of skeletal muscle mass by chrono-nutrition and chrnono-exercise	Waseda University, Japan

16:30-18:35

Symposium 6: Photic and non-photic factors – entrainment vs. masking

Chaired by Dietmar Weinert and Horacio de la Iglesia

Ballroom 2

16:30-16:55	Dietmar Weinert	Non-photic factors are essential for a stable circadian entrainment in Djungarian hamsters	Martin Luther University Halle-Wittenberg, Germany
16:55-17:20	Etienne Challet	Circadian feedback of arousal: different effects between diurnal and nocturnal rodents	University of Strasbourg, France
17:20-17:45	Vincent van der Vinne	The flexible clock: temporal niche switching as a strategy to adjust to different environmental conditions	University of Massachusetts Medical School, USA
17:45-18:10	Patricia Tachinardi	Plasticity of daily rhythms in a South American subterranean rodent	Universidade de São Paulo, Brazil
18:10-18:35	Horacio de la Iglesia	To be or not to be...nocturnal	University of Washington, USA

18:30-20:00 Dinner The Eatery

19:00-20:00

Chronobiology International (CBI) Editorial Board meeting

Chaired by Francesco Portaluppi

Room Huan Xiu

20:00-21:00

ISC Board of Directors meeting

Chaired by Romon Hermida

Room Huan Xiu

WEDNESDAY, OCTOBER 26, 2016

8:00-11:00 Registration Hotel foyer

14:00-17:00 Registration Hotel foyer

8:40-9:30

Keynote Speaker 2: Paul Hardin

Texas A&M University, USA

Using Drosophila as a model to define the molecular and cellular mechanisms of circadian timekeeping

Introduced by Andrew Chuanyin Liu

Grand Ballroom

9:30-10:00 Coffee/tea break Pre-Function Area

10:00-12:05

Symposium 7: Molecular clock mechanisms: Beyond the transcription

Chaired by Eun Young Kim and Chang Liu

Ballroom 1

10:00-10:25	Eun Young Kim	Pacemaker-neuron-dependent disturbance of the molecular clockwork by a <i>Drosophila</i> CLOCK mutation homologous to the mammalian CLOCK Δ 19	Ajou University School of Medicine, Korea
10:25-10:50	Chunghun Lim	LSM12 and ME31B/DDX6 Define Distinct Modes of Post-transcriptional Regulation by the ATAXIN-2 Protein Complex in <i>Drosophila</i> Circadian Clocks	Ulsan National Institute of Science and Technology (UNIST), Korea
10:50-11:15	Woe Yeon Kim	Novel co-chaperone GIGANTEA enhances chaperoning process of HSP90 to facilitate maturation of ZEITLUPE in the <i>Arabidopsis</i> circadian clock	Gyeongsang National University, Korea
11:15-11:40	Chang Liu	Rhythmic expression of miR-27b-3p targets the clock gene Bmal1 at the posttranscriptional level in the mouse liver.	Nanjing Normal University, China
11:40-12:05	Jae Kyoung Kim	A model-driven experimental approach reveals the temperature compensation mechanism of the mammalian circadian clock	Korea Advanced Institute of Science and Technology, Korea

10:00-12:05

Symposium 8: Diverse clocks and rhythms

Chaired by Takashi Yoshimura and Yi Liu

Ballroom 2

19:00-19:10	Nicholas S. Foulkes	Introduction	KIT, Germany
19:10-19:35	Margit Egg	Linking oxygen to time: The impact of oxygen availability on the circadian clock in zebrafish	University Innsbruck, Austria
19:35-19:55	Yoav Gothilf	Debates on the role of the pineal gland in zebrafish	Tel-Aviv University, Israel
19:55-20:20	Jason Rihel	Using zebrafish to map sleep regulatory genes onto neuronal circuits	University College London, United Kingdom
20:20-20:45	Christian Tudorache	The pace of personality: Personality-related variation in diurnal rhythmicity	Leiden University, the Netherlands
20:45-21:10	Lior Appelbaum	Rhythmic structural synaptic plasticity of inhibitory synapses in hypocretin/orexin neurons	Bar-Ilan University, Israel
21:10-21:30	Nicholas Foulkes	Living in the dark: Fish models for studying clocks and photoreceptors.	KIT, Germany

THURSDAY, OCTOBER 27, 2016

8:00-11:00	Registration	Hotel foyer
14:00-17:00	Registration	Hotel foyer

8:40-9:30

Keynote Speaker 3: Francesco Portaluppi

University of Ferrara, Italy

The role of melatonin and melatonergic drugs on blood pressure regulation and cardiovascular functions

Introduced by Ramon Hermida

9:30-10:00

Coffee/tea break

Pre-Function Area

10:00-12:05

Symposium 10: Brain mechanisms of sleep-wake cycle

Chaired by Ken-ichi Honma and Zhi-Li Huang

Ballroom 1

10:00-10:25	Ken-ichi Honma	The neural network of the suprachiasmatic nucleus	Hokkaido University, Japan
10:25-10:50	Michihiro Mieda	Roles of monoamine neurons in sleep-wake regulation by orexins Circadian rhythm of adrenal glucocorticoid: its regulation and physiological implications	Kanazawa University, Japan
10:50-11:15	Yujiro Yamanaka	Phase-adjustment of human circadian system by bright light and physical exercise	Hokkaido University, Japan
11:15-11:40	Zhi-Li Huang	Roles of the Basal Ganglia in Sleep-wake Regulation	Fudan University, China
11:40-12:05	Vijay Kumar Sharma	Mechanosensory stimulation via Nanchung expressing neurons can induce daytime sleep in Drosophila	Jawaharlal Nehru Centre for Advanced Scientific Research, India

12:05-13:00

Lunch

The Eatery

10:00-12:05

Symposium 11: Clocks, tumors and immunity

Chaired by Jia-Da Li and Benedetto Grimaldi

Ballroom 2

10:00-10:25	Jia-Da Li	Circadian clock components RORα and Bmal1 mediate the anti-proliferation effect of MLN4924 in osteosarcoma cells	Central South University, China
10:25-10:50	Benedetto Grimaldi	Cancer molecular clock reveals novel opportunities for anticancer drug discovery	Istituto Italiano di Tecnologia, Italy
10:50-11:15	Huijian Wu	DEC1 regulates breast cancer cell proliferation by stabilizing cyclin E protein and delays the progression of cell cycle S phase	Dalian University of Technology, China
11:15-11:40	Gijsbertus T.J. van der Horst	The circadian clock proteins BMAL1 and CLOCK control G2/M cell cycle transition	Erasmus University Medical Center, The Netherlands
11:40-12:05	Min Gab Kim	Tunicamycin-induced endoplasmic reticulum stress suppresses plant immunity	Gyeongsang National University, Korea

12:05-13:00

Lunch

The Eatery

13:00-14:00

Posters

Pre-function Area and Hallway

14:00-16:00

Short talk 1

Chaired by Luoying Zhang and Andi Weydahl

Ballroom 1

14:00-14:15	Luoying Zhang	CGDB: a database of circadian genes in eukaryotes	Huazhong University of Science & Technology,
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			China
14:15-14:30	Andi Weydahl	Response and adherence to sub-maximal physical activity at 70 dg north in different chronotypes	UiTthe Arctic University of Norway, Norway
14:30-14:45	Gongsheng Yuan	The circadian gene Clock regulates bone formation via PDIA3	Fudan University, China
14:45-15:00	Li Chen	The role of miRNA103/CaV1.2 signal pathway in the circadian rhythm of cerebrovascular function in simulated microgravity rat	Fourth Military Medical University, China
15:00-15:15	Zhou Jiang	Rational design of microRNA-siRNA chimeras for multifunctional target suppression on clock research	Sichuan University, Chengdu, China
15:15-15:30	Aakansha Sharma	Photoperiodic State Dependent Alterations in Behaviour, Physiology and Gene Expressions in Latitudinal Palaeartic – Indian Migrants	University of Delhi, India
15:30-15:45	Youjeong Choi	Design, synthesis, and evaluation of KS15 derivatives as CRY-mediated circadian clock modulators	Kyungpook National University, Korea
15:45-16:00	Yuwei Zhao	The knockout of prx-2cys interferes the rhythmic expression profile of Kai genes in cyanobacterium <i>S. elongatus</i> PCC 7942 under high-light stressed condition	Northwest University, China

14:00-16:00

Short talk 2

Chaired by Ximing Qin and Xiaodong Alan Zhuang

Ballroom 2

14:00-14:15	Xiaodong Alan Zhuang	Uncovering the interplay between hepatitis C virus infection and host circadian machinery	University of Birmingham, UK
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14:15-14:30	Ximing Qin	Tau mutation of CK1 ϵ gains kinase function by losing its catalytic activity	Anhui University, China
14:30-14:45	Dexi Zhou	The miR-132 regulates blood pressure circadian rhythms through the positive	Wannan Medical College, China
14:45-15:00	Mingyong Wang	E4bp4-2b, a clock-controlled and light-Inducible zebrafish bZIP transcription factor, is essential for circadian regulation through repressing <i>cryptochrome1aa</i> and <i>period2</i> via D-box	Soochow University, China
15:00-15:15	Xinyi Hu	ABA regulates the circadian clock via ARC1 to gate ABA responses	Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, China
15:15-15:30	Lushun Zhang	Association of genetic polymorphisms in <i>RORα</i> Gene rs782931, rs880626, rs7172342 and rs11639084 with schizophrenia risk	Chengdu Medical College, China
15:30-15:45	Xiao-Ying, Xu	Research on the relationship between Seasonal changes of Melatonin and temporal structure essence of ZangXiang in CM	Beijing University of Chinese Medicine, China
15:45-16:00		TBA	

16:00-16:30 Coffee/tea break Pre-Function Area

16:30-17-20

Keynote Speaker 4: Sato Honma

Hokkaido University, Japan

Oscillator networks in the suprachiasmatic nucleus

Introduced by Ying Xu

Grand Ballroom

17:20-18:10

Keynote Speaker 5: Francis Levi

Warwick Medical School, United Kingdom

Tailoring cancer chrono-therapy to circadian clocks

Introduced by Lijian Xian

Grand Ballroom

19:00-21:30

Banquet

Grand Ballroom

FRIDAY, OCTOBER 28, 2016

8:00-11:00

Registration

Hotel foyer

8:40-9:30

Keynote Speaker 6: Shigenobu Shibata

Waseda University, Japan

Chrono-nutrition and chrono-exercise

in mouse circadian rhythm

Introduced by Zhi-Li Huang

Grand Ballroom Grand Ballroom

9:30-10:00

Coffee/tea break

Pre-Function Area

10:00-10:50

Keynote Speaker 7: Ying-Hui Fu

University of California San Francisco, USA

What makes people morning larks?

Introduced by Luoying Zhang

Grand Ballroom

10:50-11:40

Keynote Speaker 8: Ramón Hermida

University of Vigo, Spain

***Sleep-time ambulatory blood pressure as a prognostic marker
of vascular risk and therapeutic target for prevention by
hypertension chronotherapy: The Hygia Project***

Introduced by Han Wang

Grand Ballroom

11:40-12:00

Closing remarks and awards

Chaired by Han Wang

Grand Ballroom

12:00-13:30

Lunch

The Eatery

13:30

Leave