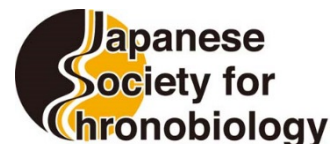




## Application Form:

**CBS2014, Chronobiology Summer School in 2014 in Sapporo.**

**Japanese Society for Chronobiology (JSC)**



### <Objective>

CBS2014 in Sapporo will provide young investigators and graduate students the opportunities to learn the principles, the frontiers and the state-of-art techniques from the international leading scientists. Chances for mutual understanding among the participants will facilitate future collaborations and progress of chronobiology.

### <Homepage>

<http://www.chronobiology.jp/CBS2014.html>

### <Date>

From: July 21 (Monday), 15:00~ July 25 (Friday), noon

CBS2014 will close on July 25, but the participants are expected to attend the following symposium.

#### **Sapporo Symposium on Biological Rhythm**

From: July 25 (Friday), 13:00 ~ July 27 (Sunday), 18:00

<http://aschoff-honma.wix.com/ahmf#!about1/c1o4g>

### <Venue>

Hokkaido University, School of Medicine, Sapporo, Japan

<http://www.oia.hokudai.ac.jp/maps/?p=sapporo>

### <Application deadline>

April 20, 2014

Contact address: <mailto:CBS2014Sapporo@gmail.com>

### <Application fee>

¥25,000 including lecture materials and get-together party. The registration fee to Sapporo Symposium is exempted. We will waive the registration fee to substantial number of students from a foreign country.

We also expect to have travel grants to the limited number of participants.

Maximum attendees : 30

## <Program>

### Schedule:

July 21 (Monday)

14:00~ Orientation / Self-introduction / Lecture 1

18:00~ Actigraphy orientation / Human rhythm

19:00~ Get-Together Party

July 22 (Tuesday) ~

July 24 (Thursday)

9:00~ 15:00 Lectures 2~10

15:00~ 19:00 Experiment courses

July 25 (Friday)

9:00 ~11:00 Lecture 11

11:00~12:00 Summing up

13:00~ Sapporo Symposium on Biological Rhythm

July 26 (Saturday) ~

July 27 (Sunday)

9:00 ~18:00 Sapporo Symposium on Biological Rhythm

### Lectures & Group works:

- Circadian rhythm generation, free running rhythm
- Entrainment 1 (Zeitgebers, parametric vs. non-parametric, photoentraining pathway, masking)
- Entrainment 2 (PRC, skeleton, LD ratio, T cycle)
- Photoperiods, seasonality (from molecular mechanism to ecology)
- Mathematical model, limit cycle
- Molecular mechanisms of clock (mammals)
- Molecular mechanisms of clock (plants)
- Posttranslational oscillator (Cyanobacteria)
- Multi-oscillator system, (mammal, human)
- Oscillator structure, neuroanatomy (insects)
- Human circadian system and disorder

### Experiment courses:

- Rhythm monitoring and analysis (humans) including actigraphy and sleep monitor.
- Tour to the human isolation unit.
- Rhythm monitoring and analysis (rodents) behavior rhythm monitoring and slice culture of mouse SCN.
- Rhythm monitoring and analysis (clock gene expression) including bioluminescence and fluorescence imaging of the SCN culture.
- Rhythm monitoring and analysis (insects) including basics on fly genetics.

**<Instructors >**

Serge Daan (Groningen University)  
Hanspeter Herzog (Charite and Humboldt University Berlin)  
Erik Herzog (Washington University)  
Amita Sehgal (Univ. Pennsylvania.)  
John Hogenesch (Univ. Pennsylvania.)  
Ken-ichi Honma (Hokkaido University)  
Sato Honma (Hokkaido University)  
Takao Kondo (Nagoya University)  
Hiroshi Kori (Ochanomizu University)  
Takashi Yoshimura (Nagoya University)  
Kazuhiko Kume (Nagoya City University)

**<Organizing Committee Members>**

Kazuhiko Kume, Nagoya City University  
Hideo Iwasaki, Waseda University  
Hiroki Ueda, University of Tokyo / RIKEN QBiC  
Takashi Yoshimura, Nagoya University

**<Advisers>**

Sato Honma, Hokkaido University  
Takao Kondo, Nagoya University  
Shizufumi Ebihara, Nagoya University

**<Local Organizing Committee Members>**

Ryosuke Enoki, Hokkaido University  
Yujiro Yamanaka, Hokkaido University  
Daisuke Ono, Hokkaido University  
Tomoko Yoshikawa, Hokkaido University  
Yoshihiro Hirata, Hokkaido University

**<Application>**

In order to apply to the summer school, please fill out the following application, abstract and survey forms, and mail it with **two letters of recommendation** to CBS2014Sapporo@gmail.com by April 20th. We will send you the receipt within a few days when we receive your application. After the selection of the applicants, we will notify the result by the 10<sup>th</sup> of May.

**<Application Form: English>**

*Personal Information*

Name: First: \_\_\_\_\_

Middle: \_\_\_\_\_

Family: \_\_\_\_\_

Date of birth: \_\_\_\_\_ Country of birth: \_\_\_\_\_

Country of residence: \_\_\_\_\_ Country of citizenship: \_\_\_\_\_

Current address: \_\_\_\_\_

Primary email: \_\_\_\_\_ @ \_\_\_\_\_

Secondary email: \_\_\_\_\_ @ \_\_\_\_\_

Cell phone: \_\_\_\_\_

Facebook account name (if applicable): \_\_\_\_\_

*Academic history*

Institution 1: \_\_\_\_\_

Area of study: \_\_\_\_\_ Degree earned: \_\_\_\_\_

Institution 2: \_\_\_\_\_

Area of study: \_\_\_\_\_ Degree earned: \_\_\_\_\_

*Present laboratory*

Institution: \_\_\_\_\_

Principal Investigator name: \_\_\_\_\_

Position: Postdoctoral fellow  Graduate student  Other (specify if other)

A member of a Chronobiology Society. If so, which one (e.g. JSC, SRBR, EBRS, etc.)

*Motivation of application:*

*Accomplishments (papers, meeting presentation, if any):*

*Abstract of your current research:*

This will serve as a poster abstract to Sapporo Symposium, if you present a poster in it.

Title
-----
-----
Author(s)
-----
-----
Affiliation(s)
-----
-----
Abstract (less than 2,000 characters)

**<Survey Form >**

*About Sapporo Symposium (July 25th-27th)*

Do you register to Sapporo Symposium simultaneously, which is recommended? (YES / NO)

If YES, will you present your poster in Sapporo Symposium? (YES / NO)

Do you attend the party on July 26th (¥6,000, not included)? (YES / NO / NOT DETERMINED)

*Funding and others*

Your funding: Self / Grant / Scholarship / Others (describe \_\_\_\_\_)

Do you apply for a travel grant from us? (YES / NO)

If you do not receive a travel grant from us, can you still attend? (YES / NO)

(The answer to this question does not affect travel grant awardee selection.)

How do you know about this Summer School? \_\_\_\_\_

**<Additional comments, if any >**

<Application Form: Japanese>

Below should be filled out only by domestic Japanese applicants.

日本人参加者の方は、英語の応募要項を英語で記入し、さらに、以下を日本語で記載して下さい。  
札幌シンポジウム不参加の場合も記入が必要です。また、推薦書は不要ですが、問い合わせに応じて  
頂ける方のお名前と連絡先を、以下に記載して下さい。なお、時間生物学会から、この件について  
問い合わせがあることを、必ず事前に確認して下さい。

応募、および、問い合わせは、CBS2014Sapporo@gmail.com まで、お願いします。

参加費・宿泊費：自己負担予定、研究費で支払い予定、その他（具体的に記載 \_\_\_\_\_）

問い合わせ先（2名分の所属・氏名・eメールアドレス または FAX 番号）

1.

2.

日本語記入用紙： 札幌シンポジウム参加申込用紙を兼ねる

氏 名			
和文表記			
英文表記			
身分（大学院生、博士研究員、研究員、助教、等）			
和文表記			
英文表記			
所属（研究機関等）			
和文表記			
英文表記			
専門分野（分子生物学、細胞生物学、脳科学、行動科学など）			
和文表記			
英文表記			
連絡先			
所在地			
電話番号			
e-mail address			
○を付けて下さい	参加	不参加	保留
参加費（不要）			
懇親会費（6,000円 別途）			