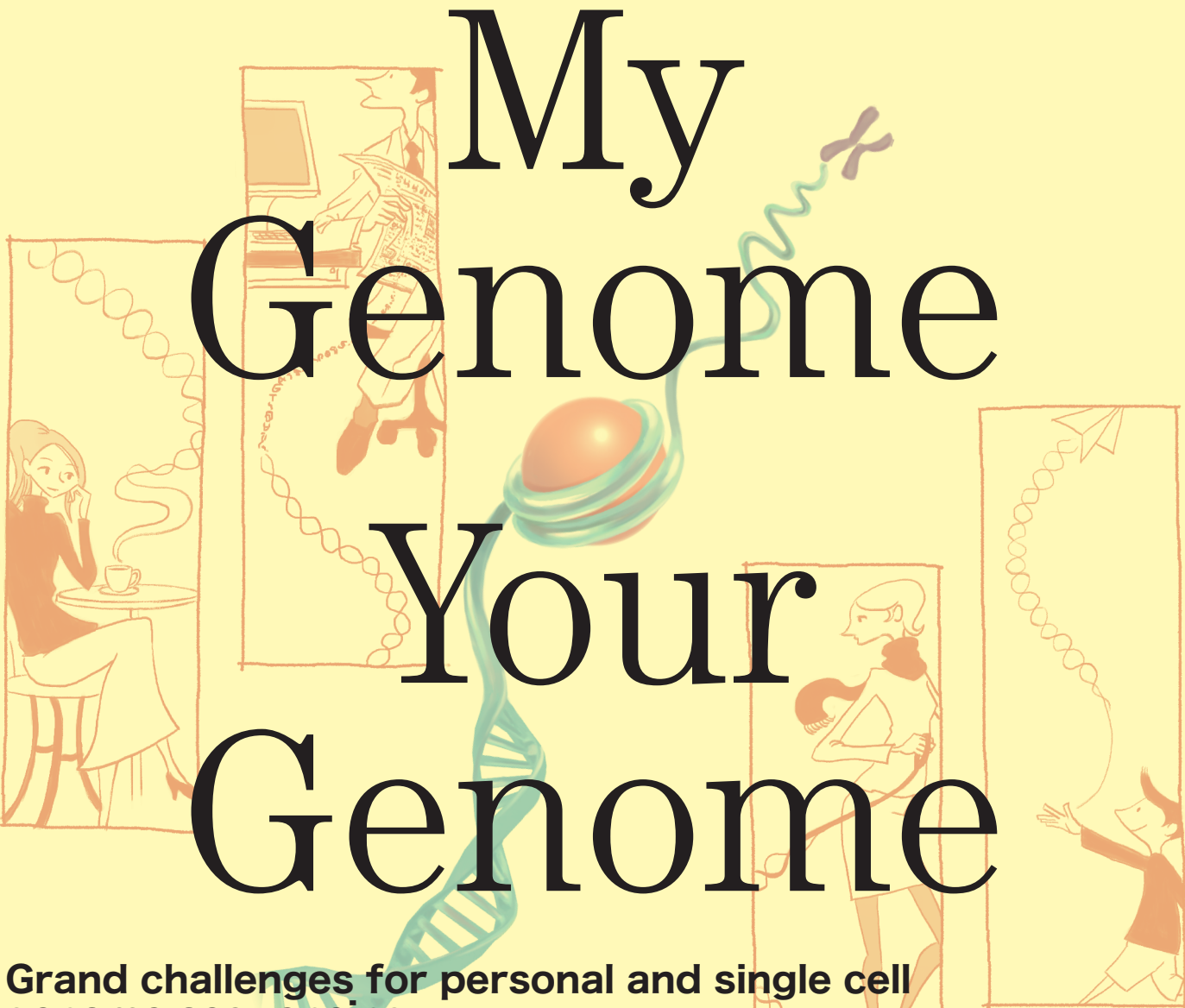


The 11th International Workshop on Advanced Genomics

第11回 国際ゲノム会議



# My Genome Your Genome

Grand challenges for personal and single cell genome sequencing

— 個人別、細胞別ゲノム解読への挑戦 —

同時通訳付き

Organized by

The 164th Committee on Genome Technology, JSPS

Cooperation with

Japan National Tourist Bureau

Japan Bioindustry Association

Japan Biological Informatics Consortium

Japan Health Science Foundation

2015

5/20 (Wed) — 5/22 (Fri)

National Center of Sciences  
Tokyo, JAPAN

— 橋講堂 (学術総合センター内) —

<http://www.gt164.jpn.org/11agw>

## The 11th International Workshop on Advanced Genomics My Genome Your Genome

As the technological advancement of next generation sequencers (NGS) has been so rapid, we are now truly entering the era of "\$1000 genome". This rapid progression of NGS capacity allow us perform large scale sample analysis, especially in the medical field such as cancer and hereditary diseases, which have yielding many clinically applicable findings. We could say that genomics is now entering the phase of the field test. Even in Japan, there are some moves toward practical application of the genomics such as DTC genome analysis and cancer genome sequencing for identifying the therapeutic targets. At the same time, the advancement of the application of NGS are expanding rapidly. Thus, advancements such as single cell and new data analysis are now accelerating at high speed and bringing up a new finding that can be applicable in clinic and the other fields. We could finally envisage the road toward the personalized medicine in the future of genome technologies.

The 11th International Workshop on Advanced Genomics (11AGW) to be held on May 21st to 23rd, 2013. The theme of it is "My genome, Your genome –Grand challenges for personal and single cell sequencing". It will cover various frontiers of genome research including "Personal Genome and Inherited Disease", "Cancer Genome", "Epigenome and non-coding RNA", "Metagenome and Human Microbiome" and "Population Genomics", as well as "New Technology". The organizing committee wishes to invite wide range of participants from various field of expertise from both academia and from industries. The workshop is organized by the 164th Committee of Japan Society for the Promotion of Science (JSPS), and is supported by Japan Bioindustry Association, JBIC, HS and the Federation of Pharmaceutical Manufacturers' Associations of Japan.

**Prof. Sumio Sugano,**  
Chairperson of Organizing Committee

**Prof. Hiroyuki Aburatani,**  
Chairperson of Program Committee

## 第11回 国際ゲノム会議 My Genome Your Genome

— 個人別、細胞別ゲノム解読への挑戦 —

猛烈であった次世代シーケンサーの能力向上により、文字通り1000ドルゲノムの時代に至りつつあります。このような技術革新を背景に、医学、特に、がんや遺伝病の分野で、大量の患者サンプルを解析するプロジェクトが進行し、次々と成果を上げております。それらの成果を受け、ゲノム科学は、今や、応用の時代に入ったと言っても過言ではありません。わが国におきましても、消費者向けの遺伝子検査をはじめ、がんの治療標的変異の同定診断など、実際の応用について大きな動きが出てきております。しかも、シーケンサーの応用をめぐる技術開発は一段と激しく、1細胞解析や情報解析技術を含めた技術の深化が新たな発見をもたらし、さらなる応用をよぶという新たな拡大が始まっています。このような拡大の先には、夢のように語られてきた、個人が自身のゲノム配列情報を持って医療をうける時代が見え始めております。

第11回国際ゲノム会議は、このようなゲノム医科学分野の急激な発展を受け、その最新の成果と新技術がもたらす新たな展開を展望することを目的とし「My Genome, Your Genome—個人別、細胞別ゲノム解読への挑戦—」をテーマに、2015年5月20日～22日の3日間、学術総合センター（一橋記念講堂）で開催する運びとなりました。

ゲノム科学は今や、ゲノム研究者に限られたものではなく、社会と広く関わり、医学生物学、情報学・工学などの自然科学だけでなく、社会学、経済学、倫理学等の社会科学の幅広い分野に関わっており、また、多くの企業の方にも、無視し得ないものになっています。本シンポジウムに幅広い方がたのご参加を希望する次第です。

第11回国際ゲノム会議組織委員会  
組織委員長 菅野 純夫  
プログラム委員長 油谷 浩幸

### Organizing Committee

**Sumio Sugano** (University of Tokyo)  
**Hiroyuki Aburatani** (University of Tokyo)  
**Takashi Ito** (Kyushu University)  
**Toshio Oota** (Kyowa Hakkō Kirin Co., Ltd.)  
**Kazuhisa Tsunoyama** (Astellas Pharma inc.)  
**Hideki Kanbara** (Hitachi, Ltd.)  
**OOOOOOOOO** (Life technologies Japan)  
**Asako Koike** (Hitachi, Ltd.)  
**Naoto Kondo** (RIKEN)  
**Tatsuhiko Shibata** (University of Tokyo)  
**Tetsuo Shibuya** (University of Tokyo)

**Yutaka Suzuki** (University of Tokyo)  
**Shuolin Song** (Roche Diagnostics K. K.)  
**Masaki Doi** (illumina K. K.)  
**Kappei Tsukahara** (Eisai Co., Ltd.)  
**Masahira Hattori** (University of Tokyo)  
**Piero Carninci** (RIKEN)  
**Shigenobu Fukushima** (Kiko Tech Co., Ltd.)  
**Tooru Masui** (Keio University)  
**Naomichi Matsumoto** (Yokohama city University)  
**Shinichi Morishita** (University of Tokyo)  
**Jun Yasuda** (Tohoku University (TOMMO))

## Speaker & Session

### KeyNote

- Stephen Quake (Stanford University)

### Topics/Speakers Include

#### Variation

- Daniel MacArthur (Broad Institute)
- Emmanouil Dermitzakis (Department of Genetic Medicine and Development)
- Masao Nagasaki (Tohoku University)

#### Cancer Genomics

- Josh Stuart (UCSC)
- Carlos Caldas (Cancer Research UK Cambridge Institute)
- Shunpei Ishikawa (University of Tokyo)

#### Single Cell Genomics

- Jian-Bing Fan (illumina, Inc.)
- John Marioni (EBI)
- Yuichi Hongo (Tokyo Institute of Technology)

#### Medical Genomics

- Evan Eichler (University of Washington)
- Joris Veltman (Radboud University Med Centre)
- Wataru Satake (Kobe University)

#### Big Data

- Serafim Batzoglou (Stanford University)
- Deanna Church (Personalis, Inc.)
- Tetsuo Shibuya (University of Tokyo)

#### Epigenomics

- Jonas Korfach (Pacific Biosciences)
- Manolis Kellis (Broad Institute)
- Yutaka Suzuki (University of Tokyo)

### Program (Provisional)

May 20 (Wed)		May 21 (Thu)		May 22 (Fri)	
9:00	Registration	9:00	Registration	9:00	Registration
9:50-10:00	Opening Remarks	9:30-11:30	[Session 3] <b>Single Cell Genomics</b> (Chair: Takashi Ito) (1) Jian-Bing Fan (illumina, Inc.) (2) John Marioni (EBI) (3) Yuichi Hongo (Tokyo Institute of Technology)	9:30-11:30	[Session 5] <b>Big Data</b> (Chair: Asako Koike) (1) Serafim Batzoglou (Stanford University) (2) Deanna Church (Personalis, Inc.) (3) Tetsuo Shibuya (University of Tokyo)
10:00-12:00	[Session 1] <b>Variation</b> (Chair: Tatsuhiko Tsunoda) (1) Daniel MacArthur (Broad Institute) (2) Emmanouil Dermitza (Department of Genetic Medicine and Development) (3) Masao Nagasaki (Tohoku University)	11:30-13:00 (1.5 hours)	Lunch Poster Session / Meet the Expert	11:30-13:00 (1.5 hours)	Lunch Poster Session / Meet the Expert
12:00-13:30 (1.5 hours)	Lunch Poster Session / Meet the Expert	13:00-16:00	<b>Technology Presentation</b> (1) (2) (3) (4)	13:00-15:00	<b>Technology Presentation</b> (1) (2) (3)
13:30-15:00	<b>Technology Presentation</b> (1) (2) (3)	(1.0 hours)	Panel Discussion	15:00-15:30 (0.5hour)	Coffee Break & Poster Session
15:00-15:30 (0.5 hour)	Coffee Break & Poster Session	16:00-16:30 (0.5hour)	Coffee Break & Poster Session	15:30-17:30	[Session 6] <b>Epigenomics</b> (Chair: Shinichi Morishita) (1) Jonas Korfach (Pacific Biosciences) (2) Manolis Kellis (Broad Institute) (3) Yutaka Suzuki (University of Tokyo)
15:30-16:30	<b>KeyNote</b> Stephen Quake (Stanford University)	16:30-18:30	[Session 4] <b>Medical Genomics</b> (Chair: Naomichi Matsumoto) (1) Evan Eichler (University of Washington) (2) Joris Veltman (Radboud University Med Centre) (3) Wataru Satake (Kobe University)	17:30-17:50	Poster Award
16:30-18:30	[Session 2] <b>Cancer Genomics</b> (Chair: Seishi Ogawa) (1) Josh Stuart (UCSC) (2) Carlos Caldas (Cancer Research UK Cambridge Institute) (3) Shunpei Ishikawa (University of Tokyo)	18:30	Banquet (Josui Kaikan)	17:50-18:20	Closing Remarks
19:00	Welcome Reception				

## Registration

On-line registration will be possible via the official web site. (<http://gt164.jpn.org/11agw/>)

Registration will only be accepted at the workshop site. Please submit your registration form no later than April 10, 2013. The registration secretariat will send you a confirmation e-mail two weeks before the workshop begins. Please also note that registration will not be considered completed without full payment of the registration fee.

Advance entry period: January 27,

## Registration Fee

Registration Category Fees	On or before April 10, 2015	On-site
Standard	JPY 25,000	JPY 30,000
Academic	JPY 12,000	JPY 15,000
Student	JPY 5,000	JPY 8,000
<b>Banquet Fee</b>	JPY 5,000	JPY 8,000

\*After April 11 and during the period of the workshop, registration will only be accepted at the conference site, payment will only be accepted by cash or charge at the Registration Desk.

## Cancellation

In the event of cancellation or change of reservation, a written notice should be submitted to the Registration Secretariat.

## Announcement

Applications for Exhibition and Technology Presentation are now being accepted.

For further information, please contact us at [agw2015@aeplan.co.jp](mailto:agw2015@aeplan.co.jp).

## Workshop Site

### National Center of Sciences

2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo 101-0003, Japan

Tel: +81-3-4212-3900

Fax: +81-3-4212-3910

<http://www.hit-u.ac.jp/hall/>

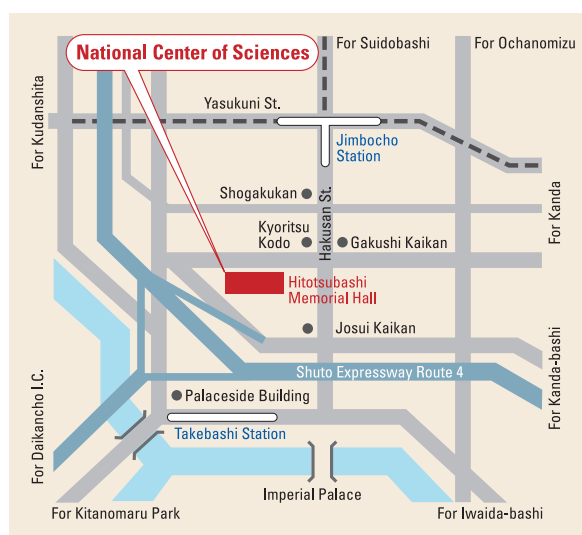
### [Access]

3-minute walk from Jimbocho station (Exit A8)

(Hanzomon Subway Line/Mita Subway Line/Shinjuku Subway Line)

4-minute walk from Takebashi station (Exit 1B)

(Tozai Subway Line)



### Secretariat : A & E Planning Co., Ltd.

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