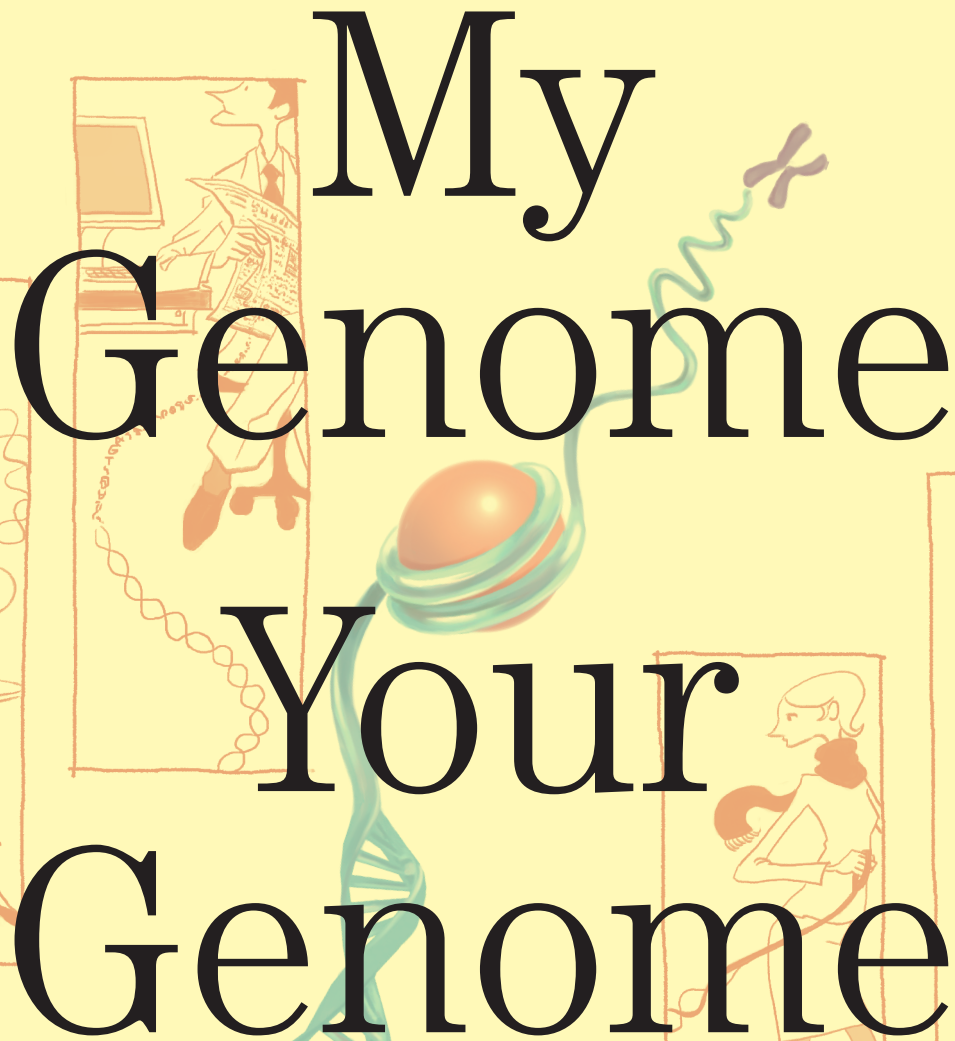


The 11th International Workshop on Advanced Genomics

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 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 allows us to perform a 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 is 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 from May 20th to 22nd, 2015. The theme of it is "My genome, Your genome - Grand challenges for personal and single cell genome 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 experts both from 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 (JBA), Japan Biological Informatics Consortium (JBIC), Japan Health Sciences Foundation and the Federation of Pharmaceutical Manufacturers' Associations of Japan.

Chairperson of Organizing Committee

Prof. Sumio Sugano,
Prof. Hiroyuki Aburatani,
Prof. Takashi Ito,

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 —

次世代シーケンサーの発展で大きく動きはじめたゲノム科学は、今や、実際の応用に向けた取り組みが米国を中心に大きく動き始めております。

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、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、医学、生物学、薬学、農学、情報学、工学の幅広い分野に関わっており、また、医学・薬学・農学・情報学関係の幅広い企業の方にも、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分野の方がたのご参加を期待する次第です。

第11回国際ゲノム会議組織委員

菅野 純夫
油谷 浩幸
伊藤 隆司

Organizing Committee

Sumio Sugano (The University of Tokyo)

Hiroyuki Aburatani (The University of Tokyo)

Takashi Ito (Kyushu University)

Toshio Ota (Kyowa Hakko Kirin Co., Ltd.)

Kazuhisa Tsunoyama (Astellas Pharma Inc.)

Hideki Kambara (Hitachi, Ltd.)

Tomoko Sunayama (Thermo Fisher Scientific K.K.)

Asako Koike (Hitachi, Ltd.)

Naoto Kondo (RIKEN)

Tatsuhiko Shibata (The University of Tokyo)

Tetsuo Shibuya (The University of Tokyo)

Yutaka Suzuki (The University of Tokyo)

Shuolin Song (Roche Diagnostics K. K.)

Masaki Doi (Illumina K. K.)

Kappei Tsukahara (Eisai Co., Ltd.)

Masahira Hattori (The University of Tokyo)

Piero Carninci (RIKEN)

Shigenobu Fukushima (Kiko Tech Co., Ltd.)

Tohru Masui (Keio University)

Naomichi Matsumoto (Yokohama City University)

Shinichi Morishita (The University of Tokyo)

Jun Yasuda (ToMMo, Tohoku University)

Speaker & Session (Provisional)

KeyNote

- **Stephen Quake** (Stanford University)

Topics/Speakers Include

Variation

- **Daniel MacArthur** (Massachusetts general hospital)
- **Masao Nagasaki** (ToMMo, Tohoku University)

Cancer Genomics

- **Josh Stuart** (UCSC)
- **David Bowtell** (Peter MacCallum Cancer Centre)
- **Shunpei Ishikawa** (The University of Tokyo)

Single Cell Genomics

- **Jian-Bing Fan** (Illumina, Inc.)
- **John Marioni** (EMBL-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** (The University of Tokyo)

Epigenomics

- **Jonas Korf** (Pacific Biosciences)
- **Manolis Kellis** (Broad Institute)
- **Yutaka Suzuki** (The 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] Single Cell Genomics (Chair: Takashi Ito) • Jian-Bing Fan (Illumina, Inc.) • John Marioni (EMBL-EBI) • Yuichi Hongo (Tokyo Institute of Technology)	9:30-11:30	[Session 5] Big Data (Chair: Asako Koike) • Serafim Batzoglou (Stanford University) • Deanna Church (Personalis, Inc.) • Tetsuo Shibuya (The University of Tokyo)
10:00-12:00	[Session 1] Variation (Chair: Tatsuhiko Tsunoda) • Daniel MacArthur (Massachusetts general hospital) • Masao Nagasaki (ToMMo, 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	Special DTC Sessions	13:00-15:30	Technology Presentation
13:30-15:30	Technology Presentation			15:30-16:00 (0.5hour)	Coffee Break & Poster Session
15:30-16:00 (0.5 hour)	Coffee Break & Poster Session	16:00-16:30 (0.5hour)	Coffee Break & Poster Session	16:00-18:00	[Session 6] Epigenomics (Chair: Shinichi Morishita) • Jonas Korf (Pacific Biosciences) • Manolis Kellis (Broad Institute) • Yutaka Suzuki (The University of Tokyo)
16:00-17:00	KeyNote Stephen Quake (Stanford University)	16:30-18:30	[Session 4] Medical Genomics (Chair: Naomichi Matsumoto) • Evan Eichler (University of Washington) • Joris Veltman (Radboud University Med Centre) • Wataru Satake (Kobe University)	18:00-18:20	Poster Award
17:00-19:00	[Session 2] Cancer Genomics (Chair: Seishi Ogawa) • Josh Stuart (UCSC) • David Bowtell (Peter MacCallum Cancer Centre) • Shunpei Ishikawa (The University of Tokyo)	18:30	Banquet (Josui Kaikan)	18:20-18:50	Closing Remarks

Registration

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

After April 24, 2015, registration will only be accepted at the workshop site. Please submit your registration form no later than April 24, 2015. 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.

Registration Fee

Registration Category Fees	On or before April 24, 2015	On-site
Standard	JPY 25,000	JPY 30,000
Academic	JPY 12,000	JPY 15,000
Student	JPY 5,000	JPY 8,000
Banquet Fee	JPY 5,000	JPY 8,000

*After April 24 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.

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/>

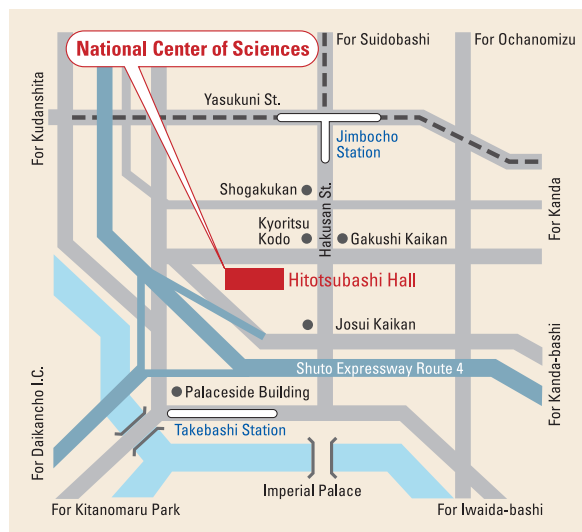
[Access]

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)



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