

The 8th Japan-Korea-China Bioinformatics Training Course (February, 2009)

Announcement

We are pleased to announce that "The 8th Japan-Korea-China Bioinformatic Training Course" will be held at the Kyoto University, Kyoto, Japan, in February 25-28, 2009. This time we will also organize a "Bioinformatics Symposium" at which the lecturers of the training course talk about their original research topics. The trainees are expected to attend this Symposium, as well. If you wish to participate in this training course as a trainee, please apply now (see below for application) !

Outline

Venue:

Kyoto University Main Campus, Kyoto, Japan

- **Training Course:** South Building, Academic Center for Computing and Media Studies
- **Bioinformatics Symposium:** Room 120, Second Building of Faculty of Science

Home Page of Kyoto University <http://www.kyoto-u.ac.jp/en>

Period:

- **Training Course:** February 25th(Wednesday), 2009 - February 27th(Friday), 2009 (3 days)
- **Bioinformatics Symposium:**February 28th(Saturday) , 2009

Organizers:

- Japan Science and Technology Agency (JST)
- Center for Information Biology and DDBJ (CIB-DDBJ) at the National Institute of Genetics (NIG)
- Korean BioInformation Center (KOBIC) at the Korea Research Institute of Bioscience and Biotechnology (KRIBB),
- Shanghai Center for Bioinformation Technology (SCBIT)

Program:

[See below](#) (Lecture titles are not decided yet. Details will be announced soon.)

Language:

English

Trainees:

- Ten trainees from each of the three countries, 30 in total.
- The number of the trainees from Japan is limited to 10.
- The trainee is expected to be either a graduate student or a postdoc in bioinformatic or a related area who is fluent in English.

Fees:

The attendance fee is free. Moreover, the trainees are covered with travel expenses, lodging and meals. He/She is also provided with a PC linked with Internet during the course.

Application:

Closed

Qualification requirement

: An applicant should be a Japanese or a non-Japanese person who is studying in Japan as a graduate school student or a post-doctoral fellow, formally accepted by a Japanese university or a research institute.

Others:

[Reports](#) of the past attendants will be helpful for your application

[Related Web sites](#)

Program

== Lecturers ==

	Name (Affiliation)	Teaching topics (T: training course, S: symposium)
	Dr. GOJOBORI Takashi (NIG)	T: Use of Genome Network Project databases and H-inv databases
	Dr. IKEO Kazuho (NIG)	T: Use of DDBJ databases and its web services S: (title to be announced soon)
	Dr. GOTO Susumu (Kyoto U.)	T: KEGG as a reference database for omics data analysis
	Dr. KINJO Akira (Osaka U.)	T: Use of PDBj databases and related softwares S: Diversity and Universality of Protein Ligand Binding Sites
	Dr. SAITOU Naruya (NIG)	S: Evolution of protein non-coding DNA region in vertebrates
	Dr. TATENO Yoshio (NIG)	S: Genome scale construction and evaluation of bacterial phylogeny
	Dr.Jong Bhak (KOBIC)	T: Omics, Interactomics, and Genomics S: Korean Genome Sequence Analysis
	Dr.Seungwoo Hwang(KOBIC)	T: Key concepts in microarray data analysis S: Reconstruction of vertebrate phylogeny using whole genome data
	Dr.Daehee Hwang(POSTECH)	T: From proteomics toward Systems Biology S: Exosome-based systems biology
	Dr.Heebal Kim(SNU)	T: Finding positive selection signature from genome-wide sequence data S: Improvement of prediction and feature detection of microarray data by regularized variable selection methods
	Dr. Li Yixue (SIBS)	T: Genome-wide Regulatory Network Analysis S: Modeling human genome-wide combinatorial regulatory networks initiated by transcription factors and microRNAs using forward and reverse engineering
	Dr. Liu Lei (SIBS)	T: Microarray Data Analysis S: Gene expression module based chemical similarity search
	Dr. Xie Lu (SCBIT)	T: Mass Spectrometry Data Analysis S: The prognostic role of a gene signature from highly tumorigenic liver cancer cells
	Dr. Wei Chaochun (SJU)	T: Gene Prediction Methods and Algorithms S: Estimation of gene numbers in human gut microbial communities: overall genes and core genes

NIG: [National Institute of Genetics](#)
Osaka U.: [Osaka University](#)
Kyoto U.: [Kyoto University](#)
KOBIC: [Korean BioInformation Center](#)
POSTECH: [Pohang University of Science and Technology](#)
SNU: [Seoul National University](#)
SIB: [Shanghai Institutes of Biological Sciences](#)
SCBIT: [Shanghai Center for Bioinformation Technology](#)
SJU.: [Shanghai Jiaotong University](#)

== Bioinformatics Training Course ==

Tuesday, February 24th, 2009

15:00-18:00 Hotel check-in (trainees and lecturers will stay in different but adjacent hotels in Kyoto)

19:00 - 20:30 **Welcome reception**

Wednesday, February 25th, 2009

09:00 - 09:30 Move to Kyoto University Campus by bus

09:30-09:45 **Business announcement, computer setup**

09:45 - 11:45 **Lecture 1:** Omics, Interactomics, and Genomics Jong Bhak (KBIC, Korea)

11:45 - 13:00 **Lunch**

13:00 - 14:30 **Lecture 2:** Mass Spectrometry Data Analysis Xie Lu (SCBIT, China)

14:45 - 16:15 **Lecture 3:** From Proteomics toward Systems Daehee Hwang (POSTECH, Korea)

16:30 - 18:00 **Lecture 4:** Use of PDBj databases and related softwares Kinjo Akira (Osaka U., Japan)

18:00 - 18:15 Move to restaurant on foot

18:30 - 19:30 **Dinner**

19:30 - return to hotel by subway

Thursday, February 26th, 2009

09:30 - 10:00 Move to Kyoto University Campus by bus

10:00 - 12:00 **Lecture 5:**Genome-wide Regulatory Network Analysis Li Yixue (SCBIT, China)

12:00 - 13:00 **Lunch**

13:00 - 14:30 **Lecture 6:** Key Concepts in Microarray Data Analysis Seungwoo Hwang (KBIC, Korea)

14:45 - 16:15 **Lecture 7:** Microarray Data Analysis Liu Lei (SCBIT, China)

16:30 - 18:00 **Lecture 8:** Use of KEGG Databases and Related Softwares Goto Susumu (Kyoto U., Japan)

18:00 - 18:15 Move to restaurant on foot

19:00 - 20:00 **Dinner**

Friday, February 27th, 2009

09:00 - 09:30 Move to Kyoto University Campus by bus

09:30 - 11:00 **Lecture 9:** Use of DDBJ Databases and Related Applications Ikeo Kazuho (NIG, Japan)

11:15 - 12:45 **Lecture 10:** Gene Prediction Methods and Algorithms Wei Chaochun (SJU, China)

12:45 - 14:00 **Lunch**

14:00 - 15:30 **Lecture 11:** Finding Positive Selection Signature from Genome-wide Sequence Data Kim Heebal (SNU, Korea)

15:45 - 17:45 **Lecture 12:** Hinv databases and Genome Network Project Gojobori Takashi (NIG, Japan)

17:45 - 18:15 Move to reception restaurant by bus

18:30 - 20:00 **Closing reception**

== Bioinformatics Symposium ==

Saturday, February 28th, 2009

09:00 - 09:30 Move to Kyoto University Campus by bus

10:00 - 10:10 **Opening announcement**

Chair: Tateno Yoshio (NIG, Japan)

10:10 - 10:40 **Talk 1:** Korean Genome Sequence Analysis Jong Bhak (KOBIC, Korea)

10:40 - 11:10 **Talk 2:** Estimation of gene numbers in human gut microbial communitie Wei Chaochun (SJU, China)

11:10 - 11:40 **Talk 3:** Genome scale construction and evaluation of bacterial phylogeny Tateno Yoshio (NIG, Japan)

11:40 - 12:10 **Talk 4:**Reconstruction of vertebrate phylogeny using whole genome data Seungwoo Hwang (KOBIC, Korea)

12:10 - 14:00 **Lunch**

Chair: Saitou Naruya (NIG, Japan)

14:00 - 14:30 **Talk 5:** Diversity and Universality of Protein Ligand Binding Sites Kinjo Akira (Osaka U., Japan)

14:30 - 15:00 **Talk 6:** The prognostic role of a gene signature from highly tumorigenic liver cancer cells Xie Lu (SCBIT, China)

15:00 - 15:30 **Talk 7:** Exosome-based systems biology Daehee Hwang (POSTECH, Korea)

15:30 - 16:00 **Talk 8:** The Analysis of Gene Expression by Using of Large Scale Short Reads Ikeo Kazuho (NIG, Japan)

16:00 - 16:15 **Coffee Break**

Chair: Ikeo Kazuho (NIG, Japan)

16:15 - 16:45 **Talk 9:** Improvement of prediction and feature detection of microarray data by regularized variable selection methods Heebal Kim (SNU, Korea)

16:45 - 17:15 **Talk 10:** Gene expression module based chemical similarity search Liu Lei (SCBIT, China)

17:15 - 17:45 **Talk 11:** Evolution of protein non-coding DNA region in vertebrates Saitou Naruya (NIG, Japan)

17:45 - 17:50 **Ending announcement**

Others

Application:

Closed

Reports of the past attendants

- [by Fernando Hirasawa Ponce \(National Institute of Genetics\) \(in English\)](#)
- [by Ryutaro Hirasawa \(National Institute of Genetics\) \(in Japanese\)](#)
- [by Akihiro Mori \(National Institute of Genetics\) \(in Japanese\)](#)
- [by Robert P. Olinski \(Tokyo Institute of Technology\) \(in English\)](#)

Related Web Sites

- [7th \[2008.03.18-21\] - KOREA\(Japanese site\)](#)
- [6th \[2007.03.27-30\] - CHINA\(Japanese site\)](#)
- [5th \[2006.03.14-17\] - JAPAN](#)
- [4th \[2005.03.07-10\] - KOREA \(Japanese site\)](#)
- [3rd \[2004.03.16-19\] - JAPAN](#)
- [2nd \[2003.08.17-21\] - KOREA](#)
- [1st \[2002.03.15-18\] - JAPAN](#)
- [\[CIB-DDBJ, DDBJ, KRIBB, NIGC\]](#)