

**The 14<sup>th</sup> China-Japan-Korea  
Bioinformatics Training Course &  
Symposium**  
August 19<sup>th</sup> to 20<sup>th</sup>, 2016



## The 14th China-Japan-Korea Bioinformatics Training Course & Symposium. August 19th-20th, 2016, in Xiamen, Fujian Province, China.

The CJK Bioinformatics Training Course and Symposium started in 2002 which aims at promoting bioinformatics research activity in the three Asian countries through scientific exchange, training future talents and exploring new translational biomedical strategies to improve human health.

### History



### Time

Registration: August 18<sup>th</sup>, 2016

Symposium: August 19<sup>th</sup> to 20<sup>th</sup>, 2016

### Venue

Xiamen, Fujian Province, China



## Organizers and Sponsors

- Shanghai Center for Bioinformation Technology (SCBIT), Shanghai, China
- Third Institute of Oceanography, State Oceanic Administration, Xiamen, Fujian Province, China.
- Shanghai Society for Bioinformatics, Shanghai, China

## Attendants

- Four invited lecturers from each country, 12 in total.
- Two to three local invited speakers from organizer institute.
- Ten young investigators from each of the three countries, 30 in total.
- Young investigators are expected to be either graduate students, or postdocs, or researchers in bioinformatics or related areas, with fluent English.
- All young investigators are expected to present posters. And each country should select THREE representative young investigators to give oral talk at the symposium.

## Training Course

Third Institute of Oceanography, State Oceanic Administration, No. 184, Daxue Road, Xiamen, Fujian Province, China.

(国家海洋局第三海洋研究所: 福建省厦门市大学路 184 号)

## Accommodation

Hotel: Peony Wanpeng Hotel



Address: No. 17, Huyuan Road, Siming District, Xiamen, Fujian Province.


(牡丹万鹏酒店: 福建省厦门市思明区虎园路 17 号, 近虎溪岩)

## Cost and Facility




The attendance fee is free. Lecturers and young investigators should cover their own travel expenses. Three days' lodging will be provided by SCBIT including August 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup>.

## List of Invited Speakers

 <b>China</b>		
<b>Hao Bailin</b>	Professor, T-Life Research Center, Fudan University, Shanghai.	<b>Topic:</b> <b>Two Web Servers for Prokaryotic Phylogeny and Taxonomy:</b> <b>Whole-genome-based CVTree3 and 16S rRNA based LVTree Viewer</b>
<b>Cao Zhiwei</b>	Professor, Tongji University, Shanghai.	<b>Topic:</b> <b>Computing antigenicity for influenza</b>
<b>Li Yixue</b>	Professor, CAS-MPG Partner Institute for Computational Biology, SIBS/CAS.	/
<b>Xie Lu</b>	Professor, Shanghai Center for Bioinformation Technology.	<b>Topic:</b> <b>Multi-omics Data Integrative Analysis and Application</b>
<b>Shao Zongze</b>	Professor, Third Institute of Oceanography, State Oceanic Administration	<b>Topic:</b> <b>Species discrimination and systematic evolution of marine Bacillus and other bacterial groups</b>
<b>Ji Zhiliang</b>	Professor, Xiamen University	<b>Topic:</b> <b>Systems computational toxicology in the big data era</b>
 <b>Japan</b>		
<b>Saitou Naruya</b>	Professor, National Institute of Genetics	<b>Topic:</b> <b>Evolutionarily conserved noncoding sequences in eukaryotes</b>
<b>Gojobori Takashi</b>	Professor, KAUST, Saudi Arabia & NIG	<b>Topic:</b> <b>A history of Middle East populations from a view point of the integrated whole genome sequence data</b>
<b>Inoue Ituro</b>	Professor, National Institute of Genetics	<b>Topic:</b> <b>Post-GWAS: allelic imbalance of transcriptional control</b>

<b>Nakamura Yasukazu</b>	Professor, National Institute of Genetics	<b>Topic:</b> <b>Approaches and challenges in genome annotation</b>
 <b>Korea</b>		
<b>Kim Sangsoo</b>	Professor, Soongsil University	<b>Topic:</b> <b>Phasing-based filtering of cancer somatic mutation calls in next generation sequencing</b>
<b>Kim Sanguk</b>	Professor, Pohang University of Science and Technology	<b>Topic:</b> <b>Molecular evolution of biological network and genotype-phenotype relationship</b>
<b>Nam Dougu</b>	Professor, Ulsan National Institute of Science and Technology	<b>Topic:</b> <b>Differential expression and enrichment analysis of RNA-seq data</b>
<b>Lee Insuk</b>	Professor, Yonsei University	<b>Topic:</b> <b>Pathway and network-based approaches to human disease research</b>
<b>Hwang Seungwoo</b>	Doctor, Korean Bioinformatics Center	/

## List of Selected Young Speakers




 <b>China</b>		
Huang Tao	Shanghai Institutes for Biological Sciences, CAS	<b>Topic:</b> Identification of novel candidate drivers connecting different dysfunctional levels for lung adenocarcinoma
Yang Hao	Key Lab of Intelligent Information Processing of CAS	<b>Topic:</b> Open-pNovo: De Novo Peptide Sequencing with Thousands of Protein Modifications
Zheng Xiaoqi	Shanghai Normal University	<b>Topic:</b> Tumor purity estimation and differential methylation analysis in cancer research
 <b>Japan</b>		
 <b>Korea</b>		
Lee Tak	Yonsei University	<b>Topic:</b> Systematic dissection of crop genetics through network biology
Yoon Sora	Ulsan National Institute of Science and Technology	<b>Topic:</b> BIMIR: Condition-specific microRNA target prediction using bi-clustering

## Program

Talk time for invited speakers is 35 min. including questions and discussions.







Talk time for selected young investigators is 15 min. including questions and discussions.

<b>Registration: Thursday, August 18<sup>th</sup>, 2016</b> <b>Peony Wanpeng Hotel.</b>	
13:00-18:00	Registration at Peony Wanpeng Hotel.
18:30-20:00	Welcome Reception at Peony Wanpeng Hotel. Western Restaurant, 1 <sup>st</sup> Floor.

<b>Day 1: Friday, August 19<sup>th</sup>, 2016 Training Course</b> <b>Meeting Room, Third Institute of Oceanography.</b>		
07:55-08:05	Gathering at hotel hall for shuttle bus to meeting room. <b>Departure time will be 08:05.</b>	
08:30-08:40	Introduction	Li Yixue & Xie Lu (SCIBT)
08:40-09:15	<b>Invited Talk 1:</b> <b>Two Web Servers for Prokaryotic Phylogeny and Taxonomy: Whole-genome-based CVTree3 and 16S rRNA based LVTREE Viewer</b>	 <b>Hao Bailin</b> T-Life Research Center, Fudan University, Shanghai
09:15-09:50	<b>Invited Talk 2:</b> <b>A history of Middle East populations from a view point of the integrated whole genome sequence data</b>	 <b>Gojobori Takashi</b> KAUST, Saudi Arabia & NIG
09:50-10:25	<b>Invited Talk 3:</b> <b>Pathway and network-based approaches to human disease research</b>	 <b>Lee Insuk</b> Yonsei University
10:25-11:00	<b>Invited Talk 4:</b> <b>Computing antigenicity for influenza</b>	 <b>Cao Zhiwei</b> Tongji University, Shanghai.
11:00-11:15	<b>Selected Young Investigators' Talk 1</b> <b>Identification of novel candidate drivers connecting different dysfunctional levels for lung adenocarcinoma</b>	 <b>Huang Tao</b> Shanghai Institutes for Biological Sciences, CAS
11:15-11:30	<b>Selected Young Investigators' Talk 2</b> <b>Systematic dissection of crop genetics</b>	 <b>Lee Tak</b> Yonsei University

	<b>through network biology</b>	
11:40-12:50	Lunch Ling Hai Xuan Restaurant	
13:00-13:30	Taking Group Picture & Posters Preparation	
13:30-14:05	<b>Invited Talk 5: Post-GWAS: allelic imbalance of transcriptional control</b>	 <b>Inoue Ituro</b> National Institute of Genetics, NIG
14:05-14:40	<b>Invited Talk 6: Differential expression and enrichment analysis of RNA-seq data</b>	 <b>Nam Dougu</b> Ulsan National Institute of Science and Technology
14:40-15:15	<b>Invited Talk 7: Systems computational toxicology in the big data era</b>	 <b>Ji Zhiliang</b> Xiamen University
15:15-15:30	Tea Break	
15:30-16:05	<b>Invited Talk 8: Molecular evolution of biological network and genotype-phenotype relationship</b>	 <b>Kim Sanguk</b> Pohang University of Science and Technology
16:05-16:20	<b>Selected Young Investigators' Talk 3: Open-pNovo: De Novo Peptide Sequencing with Thousands of Protein Modifications</b>	 <b>Yang Hao</b> Key Lab of Intelligent Information Processing of Chinese Academy of Sciences
16:20-17:20	Poster Presentation 1	
17:20-17:30	Gathering at meeting room for shuttle bus back to hotel. <b>Departure time will be 17:30</b>	
18:00-19:30	Dinner Room 18 & 19, 4 <sup>th</sup> Floor, Peony Wanpeng Hotel	
19:30-21:00	Discussion Meeting about next year's Bioinformatics Training Course & Symposium (Invited lecturers)	
<b>Day 2: Saturday, August 20<sup>th</sup>, 2016 Training Course Meeting Room, Third Institute of Oceanography.</b>		
08:25-08:35	Gathering at hotel hall for shuttle bus to meeting room. <b>Departure time will be 08:35.</b>	
09:00-09:35	<b>Invited Talk 9: Species discrimination and systematic evolution of marine Bacillus and other</b>	 <b>Shao Zongze</b> Third Institute of Oceanography, State



	<b>bacterial groups</b>	Oceanic Administration
09:35-10:10	<b>Invited Talk 10: Evolutionarily conserved noncoding sequences in eukaryotes</b>	 <b>Saitou Naruya</b> National Institute of Genetics, NIG
10:10-10:45	<b>Invited Talk 11: Phasing-based filtering of cancer somatic mutation calls in next generation sequencing</b>	 <b>Kim Sangsoo</b> Soongsil University
10:45-11:00	<b>Selected Young Investigators' Talk 4: BIMIR: Condition-specific microRNA target prediction using bi-clustering</b>	 <b>Yoon Sora</b> Ulsan National Institute of Science and Technology
11:00-11:15	<b>Selected Young Investigators' Talk 5: Tumor purity estimation and differential methylation analysis in cancer research</b>	 <b>Zheng Xiaoqi</b> Shanghai Normal University
11:20-12:40	Lunch Ling Hai Xuan Restaurant	
12:50-13:50	Poster Presentation 2	
13:50-14:25	<b>Invited Talk 12: Approaches and challenges in genome annotation</b>	 <b>Nakamura Yasukazu</b> National Institute of Genetics, NIG
14:25-15:00	<b>Invited Talk 13: Multi-omics Data Integrative Analysis and Application</b>	 <b>Xie Lu</b> Shanghai Center for Bioinformation Technology
15:00-15:20	Closing Ceremony	
15:30-17:00	Visit to Third Institute of Oceanography, State Oceanic Administration (Optional )	
15:30-15:40	Those who choose not visit Third Institute of Oceanography. Gathering at meeting room for shuttle bus back to hotel. <b>Departure time will be 15:40.</b>	
17:00-17:10	After finish visiting, another shuttle bus will be arranged to go back to hotel.	
18:00-19:30	Dinner	
<b>Day 3: Sunday, August 21<sup>th</sup>, 2016 Check-out Peony Wanpeng Hotel.</b>		
07:00-12:00	<b>Check-out at hotel</b>	

## Travelling Guidance



**A: Xiamen (Amoy) Gaoqi International Airport**

**B: Accommodation & Registration & Welcome Dinner.**

**Peony Wanpeng Hotel** (No. 17, Huyuan Road, Siming District, Xiamen, Fujian Province.  
牡丹万鹏宾馆：福建省厦门市思明区虎园路 17 号，近虎溪岩)

**C: Training Couse.**

**Third Institute of Oceanography, State Oceanic Administration**, No. 184, Daxue Road, Xiamen, Fujian Province, China. (国家海洋局第三海洋研究所：福建省厦门市大学路 184 号)

**A——B: 14km**

①**Highly recommended: TAXI (3-4 person)**

35-40min / in total about 40-45 RMB

②**Not so recommended: BUS**

1 hour and 10 minutes / 40 RMB/person

Airport express shuffle bus: Terminal Building 3 —— Xiamen Railway Station (1 stop)

Bus No.2: Xiamen Railway Station —— Yi Zhong Station (5 stops)

Walking: Yi Zhong Station——Peony Wanpeng Hotel (500 meter)

\*For your own safety and convenience, we highly recommended you go to the hotel by taxi. You can also share a taxi with other participants.

## B——C: 2.9km



## Shuttle Bus

Date	Departure Time	Start & Terminal
August 18th	13:30	Gaoqi International Airport Terminal 3——Peony Wanpeng Hotel
August 19th	08:05	Peony Wanpeng Hotel——Third Institute of Oceanography
August 19th	17:30	Third Institute of Oceanography——Peony Wanpeng Hotel
August 20th	08:35	Peony Wanpeng Hotel——Third Institute of Oceanography
August 20th	15:40	Third Institute of Oceanography——Peony Wanpeng Hotel
August 20th	17:00	Third Institute of Oceanography——Peony Wanpeng Hotel

August 21st	10:15	Peony Wanpeng Hotel——Gaoqi International Airport Terminal 3 and Terminal 4
-------------	-------	---

- ① Departure time for shuttle bus will be probably adjusted according to the meeting process and particular situations. If so, the change will be announced during the meeting to all the participants.
- ② If someone need to go back to hotel in the middle of the day, you can take **No.87 Bus. Hospital of Xiamen University Station —— Botanic Garden Station (2 stops/10 min).**

## Contact Person

**Ms. He Qinwen**, Foreign Affairs Secretary  
Shanghai Center for Bioinformation Center  
Mobile Phone: +86-13816978475  
Email: qwhe@sorbit.org

**Dr. Gong Linfeng**  
Third Institute of Oceanography  
Mobile Phone: +86-13476243619

**Dr. Lai Qiliang**  
Third Institute of Oceanography  
Mobile Phone: +86-13459255785