

The 2017 International Forum on Intelligent Supercomputing and Biopharmaceutical Innovation (ISBI-2017)

First Announcement

Dear Sir/Madam:

The 2017 International Forum on Intelligent Supercomputing and Biopharmaceutical Innovation (ISBI-2017), which jointly hosted by Wuyi University, Guangdong High Performance Computing Society and National Supercomputer Center in Guangzhou, will be held on December 16-18, 2017 in Jiangmen, Guangdong, China. ISBI-2017 aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and prospective on all aspects of HPC, artificial intelligence (AI), and their applications in biomedical science and technology. ISBI-2017 will provide a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of HPC-supported algorithms, big data processing, machine learning, chemoinformatics, bioinformatics, drug design, and their applications in biomedical researches.

The forum invites all the participants across the globe to attend and share their insights and convey recent developments in the fields of intelligent high-performance computing (HPC) and biopharmaceutical research and development. It is expected that there will be about 200 participants for this forum.

Enclosed are the ISBI-2017 introduction and agenda. The forum accepts registration through E-mail before December 10, 2017. If you have any questions about the forum, please contact with Guangdong High Performance Computing Society at:

Lianshun Ma, 13450278924, 020-39943570

Peipei Ji, 18929529729, 020-84111426

E-mail: hpcoffice@gdhpcs.org

Forum URL: <http://gdhpcs.sysu.edu.cn/>

We look forward to welcoming you at the ISBI-2017 Forum.

Yours faithfully,

Dr. Yunhua Zhang

Wuyi University

Dr. Jun Xu

Guangdong High Performance
Computing Society

Dr. Yutong Lu

National Supercomputer Center
in Guangzhou

About ISBI-2017

The 2017 International Forum on Intelligent Supercomputing and Biopharmaceutical Innovation (ISBI-2017)

1. Conference date and place

Registration: *December 16, 2017*

Keynote presentation and roundtable meeting: *December 17, 2017*

Short Tour: *December 18, 2017*

Conference Place: Shiyou Building (十友楼), Wuyi University

Hotel: Jiangmen Yucca Hotel

2. Forum objectives

- To promote the advance and common development of intelligent supercomputing and biopharmaceutical sciences cooperation between Guangdong-Hong Kong-Macao Greater Bay Area and surrounding districts.
- Depth discussion on development trends, opportunities and challenges of the intelligent supercomputing and appliance of biopharmaceutical sciences from the perspective of fused frontier technology and innovation industry.
- Brainstorming and discussing the intelligent computing and Tianhe-2 supercomputer applications in biopharmaceutical innovation.

3. Participants and forum scale

- Leaders from governments, financial intuitions and venture capitals entrepreneurs,.
- Researches, scholars, and graduate students from universities and institutes.
- Engineers and managers form hi-tech corporations.
- Journalists.

The registration will be closed when the number of participants reaches at 200.

4. Organizations

Hosting Institutions:

Wuyi University

Guangdong High Performance Computing Society

National Supercomputer Center in Guangzhou

Organizers:

School of Mathematical and Computation Science, Wuyi University

School of Computer Science, Wuyi University

Biopharmaceutical Committee of Guangdong High Performance Computing Society

Guangdong Supercomputing and Health-industry Big Data Application Alliance

School of Pharmaceutical Sciences, Sun Yat-Sen University

Supporters:

Guangdong Province Key Laboratory of Computational Science

Guangdong Province Computational Mathematical Society

5. Forum Agenda

Saturday 16th December, 2017 (The 1st day)

14:00-18:00 Registration

18:30-20:00 Reception

Sunday 17th December, 2017 (The 2nd day)

08:30-09:00 Welcome address

Zhongci Shi

Academician of Chinese Academy of Sciences, Institute of Computing Technology, Chinese Academy of Sciences

09:00-09:30 Keynote presentation 1

Yutong Lu

ISC Fellow

Director of National Supercomputer Center in Guangzhou,

Professor and Ph.D. supervisor of Sun Yat-Sen University,

Professor and Ph.D. supervisor of National University of Defense Technology

Guangdong High Performance Computing Society, Vice Chairman

09:30-10:00 Keynote presentation 2

Vladimir Sulimov

Head of the Lab at Research Computer Center, Moscow State University

10:00-11:30 Keynote presentation 3

Dongqing Wei

Professor and Ph.D. supervisor of College of Life Sciences and Biotechnology, Shanghai Jiao Tong University

Editor-in-Chief, Interdisciplinary Sciences: Computational Life Sciences (a Springer- Nature Journal) at The State Key Laboratory of Microbial Metabolism

10:30-10:50 Morning Breaks & Refreshments

10:50-11:20 Keynote presentation 4

Weitao Yang

Philip Handler Professor of Chemistry and Physics, Department of Chemistry and Department of Physics, Duke University

11:20-11:50 Keynote presentation 5

Christopher Woods

EPSRC Research Software Engineering Fellow, University of Bristol

11:50-12:20 Keynote presentation 6

Leming Shi

Professor and Ph.D. Supervisor of School of Life Sciences, Fudan University

Director of pharmacogenomics research center

Director of Fudan-Zhangjiang Center for Clinical Genomics

12:20-13:30 Lunch

13:30-14:00 Keynote presentation 7

Shaoliang Peng

Executive Deputy Director of National Supercomputer Center in Changsha

Head of Tianhe Supercomputer Life Sciences, Distinguished Professor of BGI

14:00-14:30 Keynote presentation 8

Yao Lu

Professor and Ph.D. supervisor of Sun Yat-Sen University

Vice chairman of Guangdong High Performance Computing Society

Director of Guangdong Province Key Laboratory of Computational Science

14:30-15:00 Keynote presentation 9

Guangfu Yang

Professor and Ph.D. supervisor of College of Chemistry, Central China National University

Assistant principle and director of Key Laboratory of pesticide and chemical biology,

Ministry of Ed

Dean of Institute of Science and Technology development

15:00-15:20 Afternoon Breaks & Refreshments

15:20-15:50 Keynote presentation 10

Sergei Noskov

PhD, Professor

Centre for Molecular Simulations, Department of Biological Sciences, University of Calgary

15:50-16:20 Keynote presentation 11

Weiliang Zhu

Professor and Ph.D. supervisor of Shanghai Institute of Materia Medica,

Chinese Academy of Sciences

16:20-16:50 Keynote presentation 12

Jian Ren

Professor and Ph.D. supervisor of School of Life Sciences, Sun Yat-Sen University

Professor and Ph.D. supervisor of Sun Yat-Sen University Cancer Center

Director of bioinformatics center, Sun Yat-Sen University

16:50-18:20 Roundtable Meeting

Monday 18th December, 2017 (The 3rd day)

08:30-12:00 Visiting and exchanging. The forum closed.

Receipt Forum

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Name		Company/ Organization	
Telephone		Position	
Gender	<input type="checkbox"/> Male <input type="checkbox"/> Female	Cellphone	
E-mail		Fax number	
Accommodation	<input type="checkbox"/> A single room or <input type="checkbox"/> A double room (The conference group assists the hotel arrangement)		

Remarks:

1. The forum accepts registration receipt through e-mail (hpcoffice@gdhpcs.org) until December 10, 2017. Please indicate “name_ Company/ Organization _registration” on the E-mail subject, such as: Shan Zhang _ Sun Yat-sen University_ registration, and we will confirm your registration in the form of E-mail or message.
2. Registration fee is free, but does not include accommodation and transportation expenses. Participants are advised to book their accommodation as soon as possible.