

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

**First Announcement**

2017 International Forum on Intelligent Supercomputing and Biopharmaceutical Innovation (ISBI-2017) is scheduled to be held during December 16-18, 2017 at Jiangmen City of Guangdong province in China. The conference 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.

ISBI-2017 aims to bring together leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of HPC, artificial intelligence (AI), and their applications in biomedical science and technology. It also provides 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 process, machine learning, chemoinformatics, bioinformatics, drug design, and their applications in biomedical researches.

ISBI-2017 is jointly hosted by Wuyi University, Guangdong High Performance Computing Society, National Supercomputer Center in Guangzhou and, organized by Biopharmaceutical Committee of Guangdong High Performance Computing Society, Guangdong Supercomputing and Health-industry Big Data Application Alliance, National Hi-tech Zone Administrative Committee in Jiangmen city, Schools of Data and Computer Sciences of Wuyi University, Guangdong Province Key Laboratory of Computational Science and Guangdong Province Computational Mathematical Society. It is expected that there will be about 200 participants for this forum.

The conference accepts registration through e-mail before November 30, 2017. If you have questions about the forum, please contact with Guangdong High Performance Computing Society at:

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

## About ISBI-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, entrepreneurs, researches, scholars, and graduate students.
- Leaders from financial intuitions and venture capitals.
- Journalists.
- Participants: Will close the registration 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 Mathematics 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

National Hi-tech Zone Administrative Committee in Jiangmen city

School of Pharmaceutical Sciences, Sun Yat-Sen University

Supporters:

Guangdong Province Key Laboratory of Computational Science

Guangdong Province Computational Mathematical Society.

#### 5. Forum Agenda

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

14:00-18:00 Registration

18:30-20:00 Reception

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

08:30-09:00 Welcome address

09:00-09:40 Keynote presentation 1

Yutong Lu, 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, ISC Fellows, Guangdong High Performance Computing Society, Vice chairman of Guangdong High Performance Computing Society.

09:40-10:20 Keynote presentation 2

Vladimir Sulimov, Head of laboratory at Research Computing Center MSU, Computational drug design.

10:20-10:40 Morning Breaks & Refreshments

10:40-11:20 Keynote presentation 3

Dongqing Wei, Ph.D., Professor, Editor-in-Chief, Interdisciplinary Sciences--Computational Life Sciences(a Springer-Nature Journal) at The State Key Laboratory of Microbial Metabolism and College of Life Sciences and Biotechnology, Shanghai Jiaotong University

11:20-12:00 Keynote presentation 4

Xiangke Liao, Academician of Chinese Academy of Engineering, chief commander and executive deputy chief designer of Tianhe -1 supercomputer, chief commander and chief designer of Tianhe -2 supercomputer, Professor & Dean for School of Computer science, National University of Defense Technology.

12:00-13:30 Lunch

13:30-14:10 Keynote presentation 5

Shaoliang Peng: Executive deputy director of National Supercomputer Center in Changsha, head of Tianhe supercomputer Life Sciences, Distinguished professor of BGI.

14:10-14:50 Keynote presentation 6

Yao Lu, National Youth millennium plan expert, 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.

14:50-15:10 Afternoon Breaks & Refreshments

15:10-15:50 Keynote presentation 7

Sergei Noskov, PhD, Professor, Centre for Molecular Simulations Department of Biological Sciences, University of Calgary

15:50-16:30 Keynote presentation 8

Xiang-Qun (Sean) Xie, MD, Ph.D., EMBA, Professor and Associate Dean for Research, Director of NIH CDAR Center

16:30-18:00 Roundtable Meeting

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

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

## Receipt Form

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

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

#### Remarks:

1. The forum accepts registration receipt through e-mail ([hpcoffice@gdhpcs.org](mailto:hpcoffice@gdhpcs.org)) until November 30, 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.