CONFERENCE SCHEDULE

2023 11th International Conference on Bioinformatics and Computational Biology (ICBCB 2023)

April 21-23, 2023

Hangzhou, China (Online & Offline)

Sponsored by

Hosted by

Patrons

www.icbcb.org

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Conference Venue

Yuanzheng Qizhen Hotel| 浙大圆正•启真酒店

Addr.: 866 Yuhangtang Rd, Hangzhou 310058, P.R. China | 中国浙江省杭州市余杭塘路866号（浙大紫金港校区内）

http://www.yz-hotels.cn/index.php/hotels/hotelDetail/34

Yuanzheng Qizhen Hotel, invested by Zhejiang University, was built with four-star standard. Located in Zijingang Campus, Zhejiang University, it embraces the remains of Hecha cultural area at the south of the lower reaches of the Yangze River, and is adjacent to the well-known National Xixi Wetland Park and the burgeoning West Lake Hi-tech Industry Park. The lake-view and "scholarly ZJU"-themed hotel, featured by its unique guest room "modern study", is not reluctant to show the cultural deposits of a famous institution of higher learning. We own 136 guest rooms of various standards, a Chinese-style dining room, a western-style dining room, 12 boxes, over 500 dining seats, and a technologically advanced and powerful meeting room, which is of around 2,000 square meters and is equipped with modern multimedia facilities such as simultaneous interpretation and network video.

➢   Transportation:

11 kilometers from the West Lake

40 kilometers from Hangzhou Xiaoshan International Airport

15 kilometers from Hangzhou Railway Station

10 kilometers from Wulin Square

Note:

1. As the registration fee does not cover accommodation, it is suggested that an early reservation should be done.

ZOOM Meeting Room Information

ZOOM Room A
ZOOM Room B

Program-at-a-Glance

Session Overview

Session 1-Gene Detection and Molecular Biology	AP2009, AP2032-A, AP2056-A, AP2071, AP2074-A, AP2001, AP0042, AP2005
Session 2-Emergency Disease Model and Prediction	AP0002, AP1001, AP2031, AP0043, AP3008-A, AP0035, AP2059-A, AP2055
Session 3-Gene Sequencing and Genetic Engineering	AP2045-A, AP2046, AP2057, AP2058, AP2060-A, AP2061-A, AP2070, AP3002
Session 4-Biological Image and Signal Processing Methods	AP2067, AP0025-A, AP2073, AP2068, AP0041, AP3004, AP0012, AP3005
Session 5-Application of Machine Learning Models and Algorithms in Computational Biology	AP2003, AP2018, AP2025, AP2027, AP2034, AP2036, AP2062, AP2072, AP3003
Session 6-Molecular Biology and Biomedical Engineering	AP2011, AP2021, AP2038, AP3005-A, AP0019-A, AP0009, AP0036-A, AP0040, AP0007-A
Session 7-Machine Learning Models and Data Analysis in Information Biology	AP2028-A, AP0022, AP2065, AP0005, AP2006, AP0014, AP1007, AP0044
Session 8-Medical Image and Signal Processing Technology	AP0008-A, AP2010, AP2022, AP2041, AP2050, AP0010, AP1006, AP2069
Poster Session-Machine Learning Models and Data Analysis in Information Biology	AP3007-A, AP2077-A, AP0011, AP0033, AP2043, AP0013, AP0026

Test Session-April 18, 2023 (Tuesday), GMT+8

Duration	Test for	Meeting Room
10:00-11:20	Prof. Jun Ohta, Prof. Qi Yu, Assoc. Prof. Jun Hu, Assoc. Prof. Xubo Lin, Assoc. Prof. Chuan Xu, Assoc. Prof. Aiping Yao, Prof. Guan Ning Lin, Dr. Vladimir A. Ivanisenko	ZOOM Room A
10:00-11:20	Session 5 & Session 6	ZOOM Room B
14:00-15:00	Session 7	ZOOM Room A
14:00-15:00	Session 8	ZOOM Room B

Arrival Registration-April 21, 2023 (Friday), GMT+8

Venue: Lobby of the Hotel (1F) |酒店大厅（1 楼）	Duration
Arrival Registration & Conference Material Collection	10:00-16:00

Note: the arrival registration can be done on April 22, 2023.

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Program-at-a-Glance

Onsite Session-April 22, 2023 (Saturday), GMT+8

Qiushi Multifunctional Hall (3F)	求是厅（3 楼） ZOOM Room A	Duration
Opening Remarks--Prof. Ming Chen, Zhejiang University, China	09:00-09:10
Opening Remarks--Prof. Ruhong Zhou, Zhejiang University, China	
Keynote Speaker 1--Prof. Zhongming Zhao, The University of Texas Health Science Center at Houston, USA Speech Title: "Mining Multi-omics Data for Accurate Drug Response Prediction"	09:10-09:50
Keynote Speaker 2--Prof. Xiyin Wang, North China University of Science and Technology, China Speech Title: "Plant Chromosome History Reconstruction"	09:50-10:30
Group Photo & Coffee Break	10:30-10:55
Keynote Speaker 3--Prof. Buyong Ma, Shanghai Jiaotong University, China Speech Title: "Applications of Molecular Simulation and AI in Biological Drug Development"	10:55-11:35
Invited Speaker 1--Prof. Xiaogen Zhou, Zhejiang University of Technology, China Speech Title: "An Automated Protocol for Multi-domain Protein Structure and Function Prediction"	11:35-12:00
Invited Speaker 2--Mr. Xiaoqiang Li, China National GeneBank DataBase, China Speech Title: "CNGBdb: An Integrated Data Platform for Multi-omics Data Sharing and Analysis in Life Science"	12:00-12:25
Lunch: Hotel Restaurant (2F)	12:25-13:30

Meeting Room 1 Shunshui Hall (4F)	舜水厅（4 楼）	Meeting Room 2 Cunzhong Hall (4F)	存中厅（4 楼）	Duration
Invited Speaker 3--Asst. Prof. Ning Shen, Zhejiang University, China Speech Title: "MAGPIE: Accurate Pathogenic Prediction for Multiple Variant Types using Machine Learning Approach"	Invited Speaker 4--Dr. Shijian Chen, Shanxi University, China Speech Title: "A Denovo Rebuilding Approach to the Working Principle of Living Things"	13:30-13:55
Session 1--Gene Detection and Molecular Biology	Session 2--Emergency Disease Model and Prediction	13:55-15:55
Coffee Break		15:55-16:10

Meeting Room 1 Shunshui Hall (4F)	舜水厅（4 楼）	Meeting Room 2 Shunshui Hall (4F)	存中厅（4 楼）	Duration
Invited Speaker 5--Dr. Xiaowen Shi, Zhejiang University, China Speech Title: "Chromosome Number Variation – What is the Consequence?"	Invited Speaker 6--Asst. Prof. Weimin Zhou, Shanghai Jiao Tong University, China Speech Title: "AI for Objective Assessment of Medical Imaging Systems"	16:10-16:35
Session 3--Gene Sequencing and Genetic Engineering	Session 4--Biological Image and Signal Processing Methods	16:35-18:35

Meeting Room (4F)	Duration
Poster Session--Machine Learning Models and Data Analysis in Information Biology	13:30-18:35
Dinner: Hotel Restaurant (2F)	18:35-20:30

Program-at-a-Glance

Online Session-April 23, 2023 (Sunday), GMT+8

ZOOM Room A	Duration
Keynote Speaker 4--Prof. Jun Ohta, NARA Institute of Science and Technology, China Speech Title: "Implantable Optoelectronic Devices Toward Photoceuticals"	09:00-09:40
Invited Speaker 7--Prof. Qi Yu, Shanxi Medical University, China Speech Title: "A Compendium of Mucosal Molecular Characteristics Provides Novel Perspectives on the Treatment of Ulcerative Colitis"	09:40-10:05
Invited Speaker 8--Assoc. Prof. Jun Hu, Zhejiang University of Technology, China Speech Title: "Improving DNA-Binding Protein Prediction Using Three-Part Sequence-Order Feature Extraction and Deep Neural Network"	10:05-10:30
Break	10:30-10:50
Invited Speaker 9--Assoc. Prof. Xubo Lin, Beihang University, China Speech Title: "Reveal Lipid Raft Dynamics and its Biological Significance with Molecular Dynamics Simulations"	10:50-11:15
Invited Speaker 10--Assoc. Prof. Chuan Xu, Shanghai Jiao Tong University, China Speech Title: "The Error Hypothesis of Back-splicing and its Application in Search of Beneficial circRNAs"	11:15-11:40
Invited Speaker 11--Assoc. Prof. Aiping Yao, Lanzhou University, China Speech Title: "An Efficient Evaluation of RF Transfer Function of Active Implantable Medical Devices in Homogeneous and Heterogeneous Environment"	11:40-12:05
Invited Speaker 12--Prof. Guan Ning Lin, Shanghai Jiao Tong University, China Speech Title: "Study of Influence of Chromatin Modifications on Obsessive-Compulsive Disorder by Rare Mutations"	12:05-12:30
Break	12:30-13:30
Invited Speaker 13--Dr. Vladimir A. Ivanisenko, Siberian Branch of the Russian Academy of Sciences, Russia Speech Title: "Automated Associative Gene Networks Reconstruction and Analysis using ANDSystem in Biomedicine and Plant Biology"	13:30-13:55

ZOOM ROOM A	ZOOM ROOM B	Duration
Session 5--Application of Machine Learning Models and Algorithms in Computational Biology	Session 6--Molecular Biology and Biomedical Engineering	13:55-16:10
Break		16:10-16:20
ZOOM ROOM A	ZOOM ROOM B	Duration
Session 7--Machine Learning Models and Data Analysis in Information Biology	Session 8--Medical Image and Signal Processing Technology	16:20-18:20

Tips:

Please log in the ZOOM Room 15 minutes ahead of the session. The duration for Keynote Speech: about 35 minutes of presentation and 5 minutes of Q&A. The duration for Invited Speech: about 20 minutes of presentation and 5 minutes of Q&A. The duration for Regular Presentation: about 12 minutes of presentation and 3 minutes of Q&A.