

# Frontiers of Biomedicine Empowered by Computational Approaches and Biophysical Principles (Virtual)



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## ORGANIZERS

Walid Houry, University of Toronto  
Minghui Li, Soochow University  
Hanna Salman, University of Pittsburgh  
Tatsuo Shibata, RIKEN  
Hang Shi, Tsinghua University  
Shixin Ye-Lehmann, Bicêtre Hospital

## MAJOR TOPICS

- ✓ Modeling and analysis of biological systems and ecosystem
- ✓ Biomedicine development (e.g. antibiotics, neuronal medicine, cancer-drug, genetic diseases and gene therapy, etc...)
- ✓ Novel drug screening methods and clinical studies.
- ✓ Broad surveys of new tools of biophysical principles and computational tools:  
Computational modeling, machine learning, bioinformatics tools, neural-networks, imaging and sequence analysis, and robots.

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Tel: +86-512-62729029  
Email: [meetings@csh-asia.org](mailto:meetings@csh-asia.org)  
Address: No. 299, Qiyue Road, Suzhou, China  
[www.csh-asia.org](http://www.csh-asia.org)

## KEYNOTE SPEAKERS

David Baker, University of Washington  
Min-Xin Guan, Zhejiang University

## INVITED SPEAKERS

Gary Bader, University of Toronto  
Ivet Bahar, Pittsburgh University  
Massimiliano Bonomi, Institut Pasteur  
Alessandra Carbone, Sorbonne University  
Luonan Chen, Shanghai Institutes for Biological Sciences, CAS  
Irene Coin, University of Leipzig  
Begona Heras, La Trobe University  
Walid Houry, University of Toronto  
Philippe Kukura, University of Oxford  
Edo Kussell, New York University  
Minghui Li, Soochow University  
Wanli Liu, Tsinghua University  
Oliver Mueller-Cajar, Nanyang Technological University  
Tomohide Saio, Tokushima University  
Hanna Salman, University of Pittsburgh  
Hang Shi, Tsinghua University  
Tatsuo Shibata, RIKEN  
Chao Tang, Peking University  
Guillaume Thibault, Nanyang Technological University  
Xuerui Yang, Tsinghua University  
Shixin Ye-Lehmann, Bicêtre Hospital  
Yaoqi Zhou, Griffith University