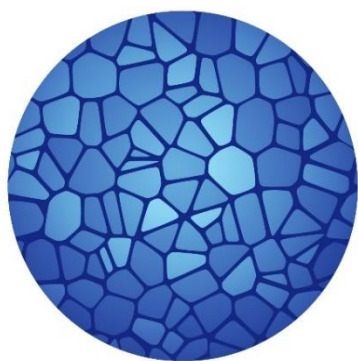

HUMAN CELL ATLAS ASIA MEETING 2020

A virtual meeting hosted by HCA Asia



HUMAN CELL ATLAS ASIA

Dates: October 22nd-23rd 2020, Beijing Time (GMT +8:00)

Organizers and Supporters: Zhejiang University, Peking University, Tsinghua University, Chinese Academy of Sciences, RIKEN Center for Integrative Medical Sciences, Genome Institute of Singapore

ZOOM Links for this meeting

Plenary: <https://us02web.zoom.us/j/87303537814?pwd=ci8zZkQ5b2VUSXFnYUJhamtRUG9FQT09>

ZOOM-1: <https://zoom.us/j/96868614342>

ZOOM-2: <https://zoom.us/j/91025753667>

ZOOM-3: <https://zoom.us/j/97835280393>

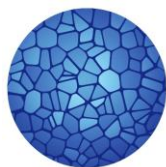
ZOOM-4: <https://zoom.us/j/99102520155>

Contact us: Any inquiries regarding this meeting can be sent to asia-meetings@humancellatlas.org

Kindly supported by

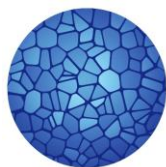
Planning committee: Guoji Guo, Xuegong Zhang, Miguel Esteban, Yoshinari Ando, Xiaoping Han, Fuchou Tang, Zemin Zhang, Jay Shin, Shyam Prabhakar, Senjuti Saha, Nirmala Arul Rayan, Woong-Yang Park

Working group: Huiyu Sun, Lifeng Ma, Weigao E, Lijiang Fei, Yanyu Xiao, Dandan Dong, Jingjing Wang, Peijing Zhang, Jiaqi Li, Yuqing Mei, Xinru Wang, Lei Yang, Xueyi Wang, Zhongyi Sun, LIM Chui Phaik Winnie Serah, Lyn Lai Yilin, FLORIAN Schmidt, Merve KAHRAMAN, AOW Shaozhong Jonathan, Haiyang Bian, Yixin Chen, Xi Xi, Jiaqi Li



Day 1: Thursday, October 22, 2020

Beijing Time (GMT +8:00)	Speaker	ZOOM Room
09:00–09:05 Welcome and opening speech	Guoji Guo	<u>Plenary</u>
09:05–09:40 Keynote-1: HCA overview Chair: Guoji Guo	Aviv Regev	<u>Plenary</u>
09:40–10:10 Plenary-1: HCA Asia overview Chair: Guoji Guo	Jay Shin	<u>Plenary</u>
10:10–10:15 Instruction for sessions	Guoji Guo	<u>Plenary</u>
10:15–10:30 Break		
10:30–11:50 Co-current session-1		
Co-current #1-1: Technology development Chair: Guoji Guo, Xiaoping Han	Alex Shalek Junyue Cao Long Cai	<u>ZOOM-1</u>
Co-current #1-2: Computational analysis Chair: Jin Gu, Belinda Phipson	Rahul Satija Belinda Phipson Jinmiao Chen	<u>ZOOM-2</u>
Co-current #1-3: Cancer Chair: Woong-Yang Park, Alistair Forrest	Yutaka Suzuki Hae-Ock Lee Ramanuj DasGupta	<u>ZOOM-3</u>
Co-current #1-4: Atlas Chair: Jay Shin, Katy Borner	Katy Borner Longqi Liu Xinghua Pan	<u>ZOOM-4</u>
11:50–13:20 Lunch break / Flash talks (5 min x10, recorded) Wenfei Jin, Wei Li, Xiaomin Du, Yang Xu, Wenfei Sun, Yan Zhang, Florian Schmidt, Qin Zhu, Thomas Ashhurst, Tommy Terroatea		<u>Plenary</u>
13:20–14:40 Co-current session-2		
Co-current #2-1: Development Chair: Fuchou Tang, Christine Wells	Christine Wells Miguel Esteban Chengran Xu	<u>ZOOM-1</u>
Co-current #2-2: Hematology and Immunology Chair: Tao Cheng, Shalin Naik	Tao Cheng Shalin Naik Jong Eun Park	<u>ZOOM-2</u>
Co-current #2-3: Neuroscience Chair: Xiaoqun Wang, Tian Xue	Xiaoqun Wang Tian Xue Nirmala Arul Rayan	<u>ZOOM-3</u>



Co-current #2-4: Aging

Chair: Guanghui Liu, Aki Minoda

Guanghui Liu
Piero Carninci
Jessica Mar

[ZOOM-4](#)

14:40–14:55 Break

14:55–15:45 **Selected talk session**

Theme #1: COVID-19 and atlas

Chair: Xuegong Zhang

Jean Yang
Wei Zuo
Luyi Tian
Shuai He

[ZOOM-1](#)

Theme #2: Data mining

Chair: Shyam Prabhakar

Wanlu Liu
Wataru Fujibuchi
Mikhail Raevskiy
Jingyi Jessica Li

[ZOOM-2](#)

Theme #3: Immunology

Chair: Woong-Yang Park

Gulderen Yanikkaya Demirel
Archita Mishra
Xun Zeng
Guangshuai Jia

[ZOOM-3](#)

Theme #4: New methods

Chair: Jay Shin

Lijia Ma
Yan Jun Lan
Nir Friedman
Jonathan Scolnick

[ZOOM-4](#)

15:45–16:00 Break

16:00–16:35 **Keynote-2: COVID-19**

Chair: Zemin Zhang

Sunney Xie

[Plenary](#)

16:35–17:05 **Plenary-2: COVID-19**

Chair: Zemin Zhang

Zheng Zhang

[Plenary](#)

17:05–17:40 **Keynote-3: HCA COVID-19**

Chair: Zemin Zhang

Sarah Teichmann

[Plenary](#)

17:40–17:55 Break

17:55–18:25 **Plenary-3: Research talk**

Chair: Xuegong Zhang

Zemin Zhang

[Plenary](#)

18:25–18:55 **Plenary-4: HCA equity and ethics**

Chair: Xuegong Zhang

Partha Majumder

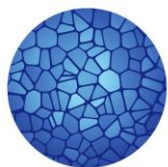
[Plenary](#)

18:55–19:00 **Conclusion speech**

Chair: Xuegong Zhang

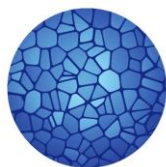
Xuegong Zhang

[Plenary](#)



Day 2: Friday, October 23, 2020

Beijing Time (GMT +8:00)	Speaker	ZOOM Room
09:00–09:05 Opening speech	Guoji Guo	<u>Plenary</u>
09:05–09:40 Keynote-4: Research talk Chair: Miguel Esteban	Stephen Quake	<u>Plenary</u>
09:40–09:55 Plenary-5: Funder talk Chair: Miguel Esteban	Jonah Cool	<u>Plenary</u>
09:55–10:10 Plenary-6: Editor talk Chair: Miguel Esteban	Jiaying Tan	<u>Plenary</u>
10:10–10:15 Instruction for breakout sessions	Miguel Esteban	<u>Plenary</u>
10:15–10:30 Break		
10:30–12:00 Breakout session		
Breakout #1: Atlas integration	Xuegong Zhang Ge Gao	<u>ZOOM-1</u>
Breakout #2: Equity	Senjuti Saha Alex Shalek	<u>ZOOM-2</u>
Breakout #3: HCA Asia flagship projects	Shyam Prabhakar Jay Shin	<u>ZOOM-3</u>
Breakout #4: Ethics and data sharing	Partha Majumder Timothy Tickle	<u>ZOOM-4</u>
12:00–13:30 Lunch break / Flash talks (5 min x10, recorded) Bobby Ranjan, Alexis Vandenbon, Liang Zhao, Jie Wang, Guanlin Wang Zhiyuan Hu, Qiang Shi, Hui Zhang, Chi-Yun Wu, Yao Lu		<u>Plenary</u>
13:30–14:50 Co-current session-3		
Co-current #3-1: Spatial and multi-omics Chair: Naihe Jing, Kok Hao Chen	Naihe Jing Aibin He Kok Hao Chen	<u>ZOOM-1</u>
Co-current #3-2: Genetic diversity Chair: Shyam Prabhakar, Senjuti Saha	Deepa Rajagopalan Seyhan Yazar Varodom Charoensawan	<u>ZOOM-2</u>
Co-current #3-3: Model systems and organoids Chair: Weizhi Ji, Jinyue Liu	Kazuo Takayama Jinyue Liu Weizhi Ji	<u>ZOOM-3</u>



Co-current #3-4: Technology and application

Chair: Miguel Esteban, Angela Wu

Angela Wu
Quan Nguyen
Mike Stubbington

[ZOOM-4](#)

14:50–15:05 Break

15:05–15:35 **Report back from breakout sessions**

Chair: Xuegong Zhang

Xuegong Zhang
Senjuti Saha
Shyam Prabhakar
Partha Majumder

Plenary

15:35–16:35 **Plenary discussion**

Chair: Jay Shin

Jay Shin
Xuegong Zhang
Miguel Esteban
Senjuti Saha
Woong-Yang Park
Shyam Prabhakar

Plenary

16:35–16:50 Break

16:50–17:20 **Plenary-7: Research talk**

Chair: Guoji Guo

Ido Amit

Plenary

17:20–17:50 **Plenary-8: Research talk**

Chair: Guoji Guo

Fuchou Tang

Plenary

17:50–18:20 **Plenary-9: OzSingleCell**

Chair: Guoji Guo

Alistair Forrest

Plenary

18:20–18:25 **Greetings from Vietnam Roadshow**

Chair: Guoji Guo

Marc Gilligan

Plenary

18:25–18:30 **Closing remarks**

Guoji Guo

Plenary



For chairs:

1. Please enter the ZOOM room 10 minutes before your session starts.
2. Please provide a brief introduction for each speaker before his/her talk.
3. Please help to control the timing and select questions from Slido or the Q&A window.
4. When the chair happens to be the speaker, the co-chair should help to introduce the chair.
5. The co-chair may help the chair to solve technical issues in the ZOOM room.
6. Please use the link provided in the private invitation email to go directly into the panel/speaker room.

For speakers:

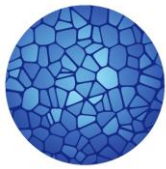
1. Please enter the ZOOM room 10 minutes before your session starts.
2. Please enter the ZOOM room with your real name and contact email so that we can find you.
3. Please strictly control the time during PPT preparation and presentation:
 - Keynote talk: 35 min (talk 25 min, Q&A 10 min)
 - Plenary talk: 30 min (talk 20 min, Q&A 10 min)
 - Co-current talk: 25 min (talk 15 min, Q&A 10 min)
 - Selected talk: 12 min (talk 10 min, Q&A 2 min)
4. If the chair is not helping with selection of questions. Please check Slido or the Q&A window to answer questions.
5. Please use the link provided in the private invitation email to go directly into the panel/speaker room.

For flash talk:

1. Please stay in the Plenary meeting room during [Lunch break / Flash talks](#) session. You may answer questions by typing the answers using Slido.

For the audience:

1. Please use the ZOOM room links to join the meeting. For participants from China, you may not be able to login in with your ZOOM account. But you should be able to join the meeting using computers or smartphones installed with ZOOM application.
2. Please use Slido for Q&A during plenary sessions and use Q&A window during co-current sessions. The chair and the speaker will select common questions to answer during the Q&A.



Keynote speaker

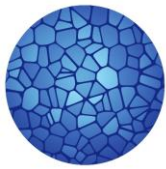
Aviv Regev, Genentech, Inc
Sunney Xie, Peking University
Sarah Teichmann, Wellcome Sanger Institute
Stephen Quake, Stanford University

Planning committee

Guoji Guo, Zhejiang University
Xuegong Zhang, Tsinghua University
Miguel Esteban, Chinese Academy of Sciences
Yoshinari Ando, RIKEN
Xiaoping Han, Zhejiang University
Fuchou Tang, Peking University
Zemin Zhang, Peking University
Jay Shin, RIKEN
Shyam Prabhakar, Genome Institute of Singapore
Senjuti Saha, Child Health Research Foundation
Nirmala Arul Rayan, Genome Institute of Singapore
Woong-Yang Park, Samsung Medical Center

Invited speaker

Alex Shalek, Massachusetts Institute of Technology
Junyue Cao, The Rockefeller University
Long Cai, California Institute of Technology
Rahul Satija, New York Genome Center
Belinda Phipson, Peter MacCallum Cancer Centre
Jinmiao Chen, Singapore Immunology Network
Yutaka Suzuki, University of Tokyo
Hae-Ock Lee, Catholic University of Korea
Ramanuj DasGupta, Genome Institute of Singapore
Katy Borner, Indiana University
Longqi Liu, BGI-Research
Xinghua Pan, Southern Medical University
Christine Wells, University of Melbourne
Chengran Xu, Peking University
Tao Cheng, Chinese Academy of Medical Sciences
Shalin Naik, Walter and Eliza Hall Institute of Medical Research
Jong Eun Park, Korea Advanced Institute of Science and Technology
Xiaoqun Wang, Institute of Biophysics, Chinese Academy of Sciences
Tian Xue, University of Science and Technology of China
Guanghui Liu, Institute of Stem Cell and Regeneration, Chinese Academy of Sciences



Piero Carninci, RIKEN
Jessica Mar, University of Queensland
Jean Yang, University of Sydney
Wei Zuo, Tongji University
Luyi Tian, Walter and Eliza Hall Institute of Medical Research
Shuai He, Sun yat-sun university
Wanlu Liu, Zhejiang University
Wataru Fujibuchi, Center for iPS Cell Research and Application, Kyoto University
Mikhail Raevskiy, Moscow Institute of Physics and Technology
Jingyi Jessica Li, University of California, Los Angeles
Gulderen Yanikkaya Demirel, Yeditepe University Faculty of Medicine
Archita Mishra, Singapore Immunology Network
Xun Zeng, Zhejiang University
Guangshuai Jia, Guangzhou Medical University
Lijia Ma, Westlake University
Yan Jun Lan, RIKEN
Nir Friedman, The Hebrew University of Jerusalem
Jonathan Scolnick, national university of singapore
Zheng Zhang, Southern University of Science and Technology
Partha Majumder, National Institute of Biomedical Genomics
Jonah Cool, Chan Zuckerberg Initiative
Jiaying Tan, Cell Journal
Timothy Tickle, Broad Institute
Naihe Jing, Shanghai Institutes for Biological Sciences
Aibin He, Peking University
Kok Hao Chen, Genome Institute of Singapore
Deepa Rajagopalan, Genome Institute of Singapore
Seyhan Yazar, Garvan Institute of Medical Research
Varodom Charoensawan, Mahidol University
Kazuo Takayama, Kyoto University
Jinyue Liu, Genome Institute of Singapore
Weizhi Ji, Chinese Academy of Science
Angela Wu, The Hongkong University of Science and Technology
Quan Nguyen, Institute for Molecular Bioscience, The University of Queensland
Mike Stubbington, 10x Genomics
Ido Amit, Weizmann Institute of Science
Alistair Forrest, Harry Perkins Institute
Mark Gilligan, Blacktrace Holdings Ltd.
Ge Gao, Beijing Advanced Innovation Center for Genomics