



昌平实验室
CHANGPING LABORATORY

25 Years of Human Genome

Time

August 24 - 25, 2026

Symposium Location

Auditorium (Building B), Changping Laboratory Courtyard
19 Life Science Park Road Changping District Beijing, China

Organizer: Changping Laboratory

Organized by: Xiaoliang Sunney Xie and Yanyi Huang



Symposium Agenda

» August 24, Monday «

Historical Session

Chaired by **Yanyi Huang**, CPL / PKU

- 09:00 - 09:05 ⦿ Changping Laboratory promotional video
- 09:05 - 09:10 ⦿ **Welcome remarks by Xiaoliang Sunney Xie**, CPL / PKU
- 09:10 - 09:55 ⦿ **The Human Genome Project: From Conception to Execution (and Beyond)**
Eric Green, Illumina / Formerly at NHGRI/NIH
- 09:55 - 10:10 ⦿ **Owned by All, Joined by All, Shared by All**
Huanming Yang, BGI
- 10:10 - 10:40 ⦿ Panelists: **Eric Green** / **Huanming Yang** / **Ari Patrinos** (Online) /
Mark Adams (Online) / **Xiaoliang Sunney Xie** (Host)
- 10:40 - 10:45 ⦿ Group Photo
- 10:45 - 11:05 ⦿ Tea Break

Session I: Genome Sequencing

Chaired by **Xiaoliang Sunney Xie**, CPL / PKU

- 11:05 - 11:30 ⦿ **TBC**
Jonathan Rothberg, 4Catalyzer
- 11:30 - 11:55 ⦿ **Nanopore Sensing and Sequencing: Past, Present and Future**
Hagan Bailey, Oxford
- 11:55 - 12:20 ⦿ **The Evolution of Fluorogenic DNA Sequencing**
Yanyi Huang, CPL / PKU
- 12:20 - 13:30 ⦿ Lunch

Session II: Genome Assembly

Chaired by **Peter Campbell**, Sanger

- 13:30 - 13:55 ⦿ **The Human Pangenome Project**
Ting Wang, WashU
- 13:55 - 14:20 ⦿ **Genome Assembly in the Telomere-to-Telomere Era**
Heng Li, HMS

» August 24, Monday «**Session III: Functional Genomics**Chaired by **Eric Green**, Illumina / ex-NHGRI

- 14:20 - 14:45 ◉ **Functional Characterization and Therapeutic Targeting of Gene Regulatory Elements**
Nadav Ahituv, UCSF
- 14:45 - 15:10 ◉ **Understanding Genome by SpatioTemporal Omics**
Xun Xu, BGI
- 15:10 - 15:30 ◉ Tea Break

Session IV: Single Cell GenomicsChaired by **Sten Linnarsson**, Karolinska

- 15:30 - 15:55 ◉ **Next Generation Single-Cell Omics Sequencing Technologies**
Fuchou Tang, CPL/PKU
- 15:55 - 16:20 ◉ **Combining Total-RNA based Single-Cell Transcriptome and RNA Velocity to Decipher the Regulatory Network Underlying Early Mammalian Embryogenesis**
Chenghang Zong, Baylor
- 16:20 - 16:45 ◉ **Decoding Transcriptional and Post-Transcriptional Regulation Using Single-Cell Genomics**
Rickard Sandberg, Karolinska
- 16:45 - 17:10 ◉ **From MALBAC/LIANTI to FOODIE: Single-Cell Functional Genomics Coming of Age**
Xiaoliang Sunney Xie, CPL/PKU

Session V: 3D GenomicsChaired by **Rickard Sandberg**, Karolinska

- 17:10 - 17:35 ◉ **The Mechanisms of 3D Genome Folding and Transcription Regulation**
Yijun Ruan, ZJU
- 17:35 - 18:00 ◉ **3D Genome Architecture across the Lifespan, in Neurodegeneration, and at Scale**
Longzhi Tan, Stanford
- 18:00 - 18:25 ◉ **Mapping the 3D Epigenome in Single Cells**
Dong Xing, PKU

» August 25, Tuesday «

Session VI: Population GenomicsChaired by **Dennis Lo**, CUHK

- 09:00 - 09:25 ◎ Accelerating Trustworthy Discovery in Genomic Health by
Harnessing Generative AI and Statistics
Xihong Lin, Harvard
- 09:25 - 09:50 ◎ The Fuqing Cohort Study: Integrating Genomics and Comprehensive
Phenomics for Disease Prevention in Chinese Populations
Weimin Ye, FJMU/Karolinska
- 09:50 - 10:15 ◎ Genetics and Genomics of Human Complex Traits
Jian Yang, Westlake
- 10:15 - 10:40 ◎ Linking Functional Genomics and Large-Scale Population Genetics
to Elucidate the Mechanisms of Complex Traits
Yajie Zhao, CPL
- 10:40 - 11:00 ◎ Tea Break

Session VII: Reproductive GenomicsChaired by **Fuchou Tang**, CPL / PKU

- 11:00 - 11:25 ◎ Cell-Free DNA Fragmentomics: Biology and Diagnostic Applications
Dennis Lo, CUHK
- 11:25 - 11:50 ◎ Seed and Soil: Multiomics for the Success of Healthy Pregnancy
Sijia Lu, Yikon Genomics
- 11:50 - 13:00 ◎ Lunch

Session VIII: Cancer GenomicsChaired by **Joseph Ecker**, Salk

- 13:00 - 13:25 ◎ Somatic Mutations in Ageing and Disease
Peter Campbell, Sanger
- 13:25 - 13:50 ◎ Regulatory Elements of the Tumor Microenvironment Identified
through Pan-cancer Single Cell Analysis
Zemin Zhang, CQMU
- 13:50 - 14:15 ◎ A Targeted Multi-Omics Approach for cfDNA Cancer Early Detection
Yunlong Cao, CPL / PKU

» August 25, Tuesday «**Session IX: Genomics for Neuroscience**Chaired by **Zemin Zhang**, CQMU

- 14:15 - 14:40 ⦿ **Atlases of the Human Brain**
Sten Linnarsson, Karolinska
- 14:40 - 15:05 ⦿ **Single-Cell Epigenomic Atlases of the Mammalian Brain: Mapping Cell-Type Diversity, Aging, and Neurodegeneration**
Joseph Ecker, Salk
- 15:05 - 15:30 ⦿ **Developmental Origins of Adult Inhibitory Circuits: AI-Resolved Spatial Transcriptomic Insights**
Xiaoqun Wang, CPL
- 15:30 - 15:50 ⦿ Tea Break

Session X: AI for GenomicsChaired by **Jian Yang**, Westlake

- 15:50 - 16:15 ⦿ **AI and Human Immunology Driven Biotherapeutics**
Xiaole Liu, GV20 Therapeutics
- 16:15 - 16:40 ⦿ **Transcriptomic AI-Predicted Herbs and Natural Products for Novel Therapies**
Tian Xu, Westlake
- 16:40 - 17:05 ⦿ **Toward Interpretable and Generalizable AI for Regulatory Genomics**
Peter Koo, CSHL
- 17:05 - 17:30 ⦿ **Prediction of Transcription Factor's DNA Binding Affinity with High-Throughput Kd Measurements**
Mingchen Chen, CPL
- 17:30 - 17:35 ⦿ Closing Remarks by **Xiaoliang Sunney Xie**, CPL / PKU

Registration & Payment Guide

Registration Form

Please complete the attached registration form with your personal and professional details, and return it to the conference secretariat via email **by the deadline of August 10, 2026**.



Visa Information

International participants are advised to check China's visa requirements well in advance. If you require an invitation letter for your visa application, please indicate this on the registration form or contact the secretariat. Early requests are recommended to ensure timely processing.



Secretariat Email

hgp25@cpl.ac.cn

Fees & Payment

Registration is complimentary for invited guests.

Regular attendees are requested to pay USD 30 via bank transfer/wire transfer, exclusive of transfer fees.

Please ensure all the following banking details are filled in accurately and completely for overseas wire transfers:

- **Bank Name:** BANK OF CHINA BEIJING BRANCH
- **Bank Address:** NO.2 CHAO YANG MEN NEI DA JIE, DONG CHENG DISTRICT, BEIJING, 100010, CHINA
- **Beneficiary Name:** BEIJING GGC EXHIBITION SERVICE Co.,Ltd.
- **Account Number:** 346771092893
- **SWIFT Code:** BKCHCNBJ 110

Please include "HGP25" and your full name in the payment remarks, and email a copy or screenshot of your receipt to the Secretariat (hgp25@cpl.ac.cn) for registration confirmation.

Invoice/Receipt

Paper invoices and receipts are available upon request at the registration desk.

Transportation

Venue Location

Auditorium (Building B), Changping Laboratory Courtyard 19, Life Science Park Road Changping District, Beijing, China



Google Maps Link

<https://maps.app.goo.gl/xwa2QGjfCM4vSe3J6>

- We recommend downloading Amap (Gaode) or Baidu Maps for more convenient navigation while in China.

Transportation Guide

From Airports & Railway Stations to the Venue

Departure	Recommended Option	Time & Cost
Beijing Capital Int'l Airport (PEK)	Taxi: ~45 km	~70 min, ~¥150
	Metro: Airport Express → Line 13 → Changping Line	~2 hr
Beijing Daxing Int'l Airport (PKX)	Taxi: ~90 km	~100 min, ~¥250
	Metro: Daxing Airport Express → Line 19 → Line 12 → Changping Line	~2 hr
Beijing West Railway Station	Metro: Line 9 → Line 4 → Line 13 → Changping Line	~60-80 min
Beijing South Railway Station	Metro: Line 4 → Line 13 → Changping Line	~60-80 min
Beijing Railway Station	Metro: Line 2 → Line 13 → Changping Line	~60 min
Qinghe Railway Station	Metro: Changping Line (direct)	~30 min

Note: The nearest metro station to the venue is Life Science Park Station on the Changping Line, approximately 2.4 km away. From there, you may take a bus or taxi to the Auditorium, Building B, Changping Laboratory.

• Getting to the Venue from the Nearest Metro Station

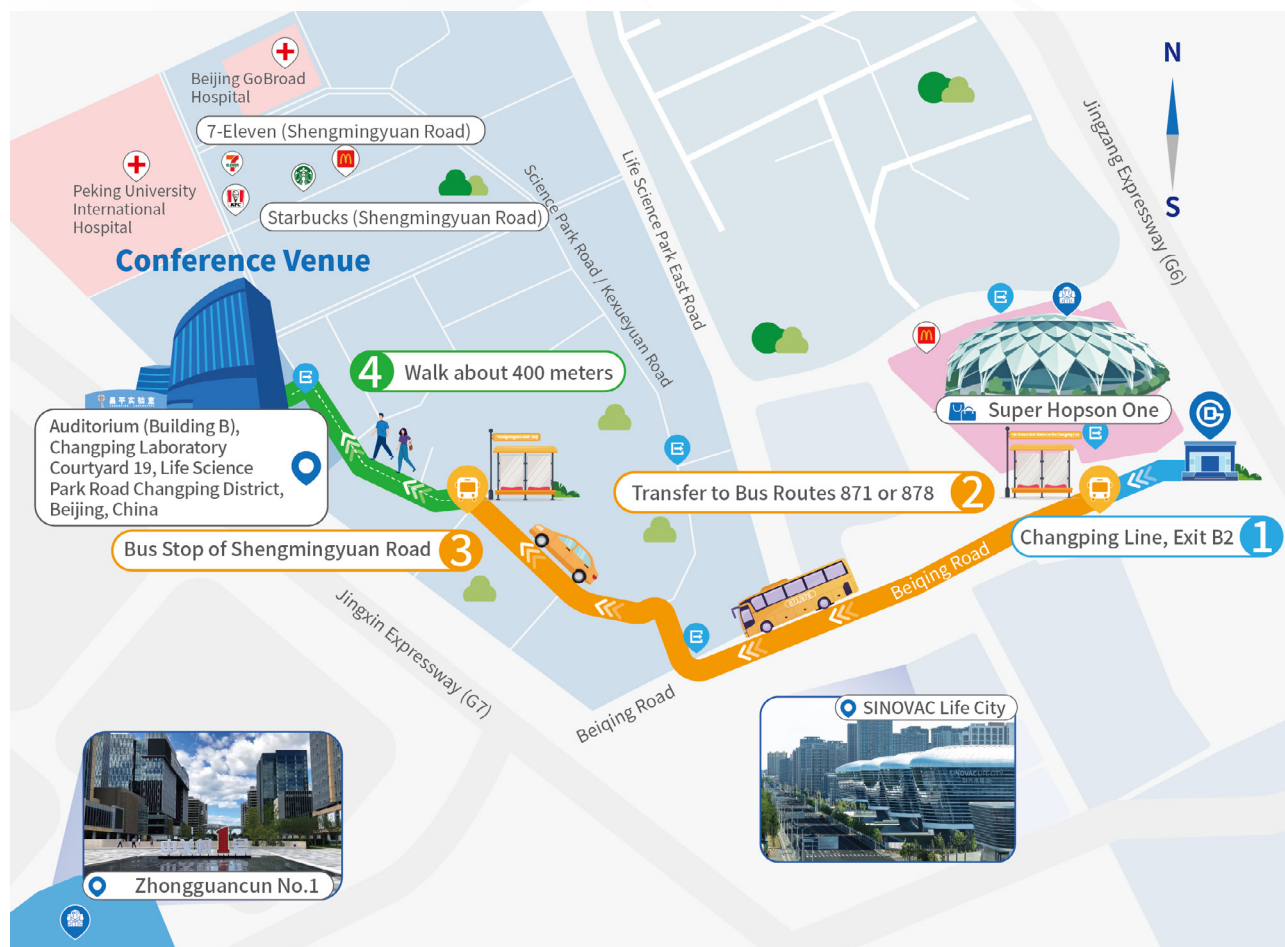
Upon arrival at Life Science Park Station, you may take:

- **Bus 871 or Bus 878** to "Shengmingyuan Road" stop, then walk to Auditorium, Building B, Changping Laboratory.
- A taxi from the metro station to the venue takes approximately 5-10 minutes.

请带我去这里 / Please Take Me to This Address

昌平实验室西区 B 座报告厅
北京市昌平区中关村生命科学园生命园路 19 号

师傅，请送我去这里，谢谢！



Accommodation Recommendations

• Taikang School of Advanced Study

 **Address:** No. 12 Kexueyuan Road, Life Science Park, Changping District, Beijing, China

 **Tel:** 010-60853999

 **Facilities:** Lobby café, gym, buffet restaurant, exclusive parking, meeting rooms

 **Distance to Venue:** Approx. 500 m



• Room Types & Rates



Outdoor Environment



Executive King Room

RMB 888 (approx. 130 USD) per night



Deluxe Twin Room

RMB 450 (approx. 66 USD) per night



Deluxe King Room

RMB 450 (approx. 66 USD) per night

• Reservation Procedure

Please indicate your accommodation requirements in the **registration form**; the secretariat will coordinate with the hotel on your behalf and revert with a confirmation.

Please notify the secretariat at least 72 hours in advance if you need to cancel.

On-Site Check-in

Check-in Desk Opening Hours

Date	Time	Location
August 23 (Preconference)	09:00 – 18:00	1F Lobby, Building B
August 24 (Day 1)	07:30 – 18:00	

Check-in Procedure

Please proceed to the registration desk to check in, where you will receive:

- Your personalized name badge
- The conference program booklet

Dining Arrangements

• Tea Breaks

Date	Morning	Afternoon	Location
August 24	10:45 – 11:05	15:10 – 15:30	Auditorium Foyer (1F & 2F)
August 25	10:40 – 11:00	15:30 – 15:50	

• Lunch

Date	Time	Location
August 24	12:20 – 13:30	1st Floor Restaurant
August 25	11:50 – 13:00	(adjacent to the Auditorium)

Contact Us

**Secretariat Email**

hgp25@cpl.ac.cn

**Reminder**

Participants are advised to arrange their own travel insurance before departure and to keep their personal belongings secure at all times during the conference.

Registration Form

Conference: 25 Years of Human Genome
Dates: August 24–25, 2026
Venue: Auditorium (Building B), Changping Laboratory, Courtyard 19, Life Science Park Road, Changping District, Beijing, China

Field	Your Response	
Personal Information		
Family Name		
Given Name		
Title (Prof./Dr./Mr./Ms.)		
Nationality		
Affiliation/Institution		
Position/Title		
Email Address		
Phone Number (with country code)		
Conference Participation		
Participant Type (Invited Guest / Regular Attendee)		
Attendance Dates (Aug 24 only / Aug 25 only / Both)	Aug 24	Aug 25
Invitation Letter Required for Visa? (Yes / No)	Yes	No
If Yes, please provide:		
Passport Number		
Date of Birth (YYYY-MM-DD)		
Passport Expiry Date (YYYY-MM-DD)		

Field	Yes	No
Accommodation (Optional)		
Accommodation Required? (Yes / No)	Yes	No
Check-in Date		
Check-out Date		
Room Type Preference		
Special Requests (e.g., non-smoking, accessibility)		
Dietary & Other Needs (Optional)		
Dietary Restrictions / Allergies		
Other Special Requirements		
Remarks		
Additional Remarks		

Submission Deadline: August 10, 2026

Email: hgp25@cpl.ac.cn

Please feel free to contact the secretariat if you have any questions.