AOHUPO
Asian Oceania Human Proteome Organization

AOAPO
Asia Oceania Agricultural Proteomics Organization

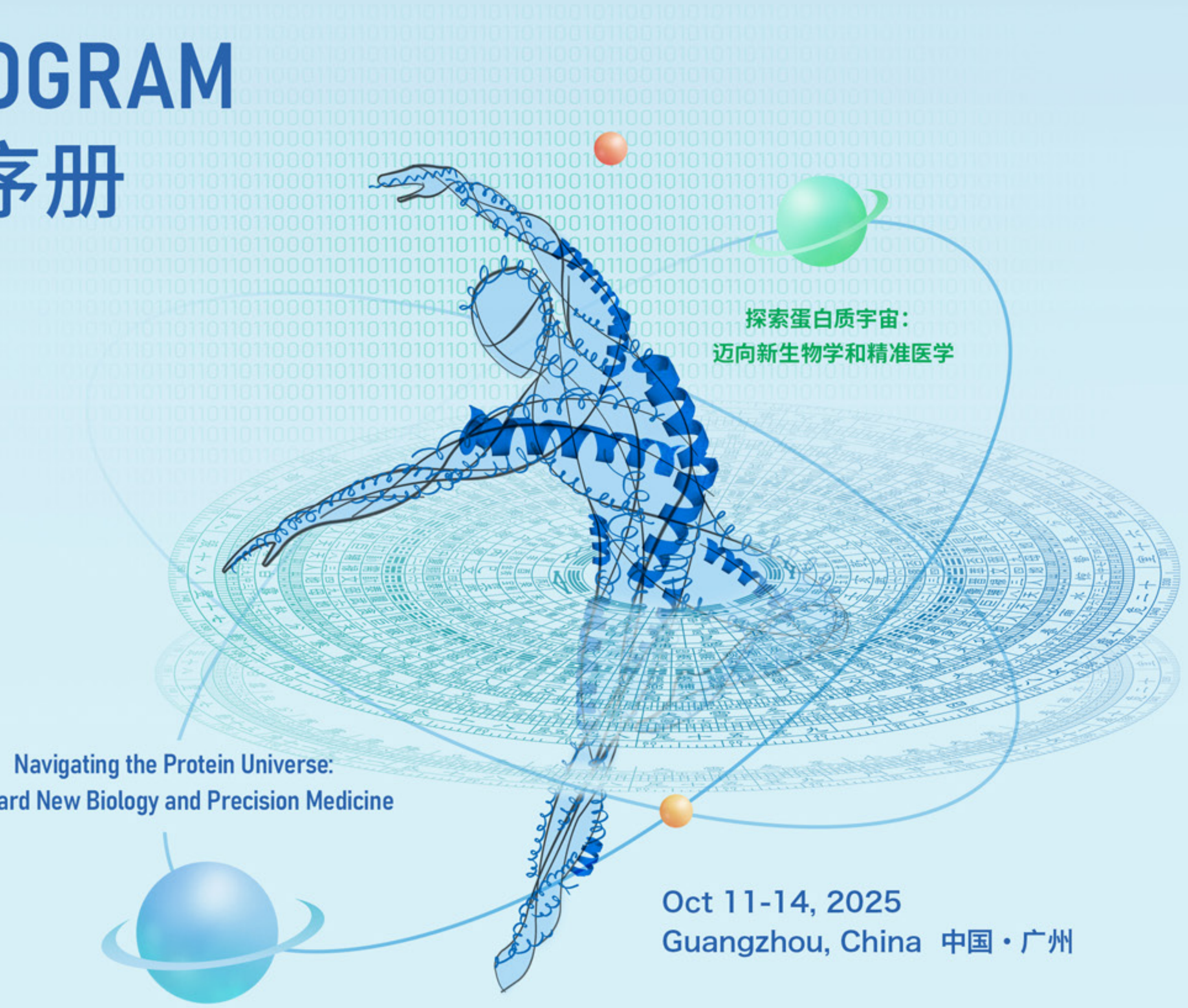
CNHUPO

π-HuB PROJECT

Joint 12th AOHUPO, 8th AOAPO, 3rd π-HuB Global Summit in Conjunction with 13th CNHUPO Congress

第12届AOHUPO大会暨第8届AOAPO大会暨π-HuB国际大科学计划第三届全球峰会暨第13届CNHUPO大会

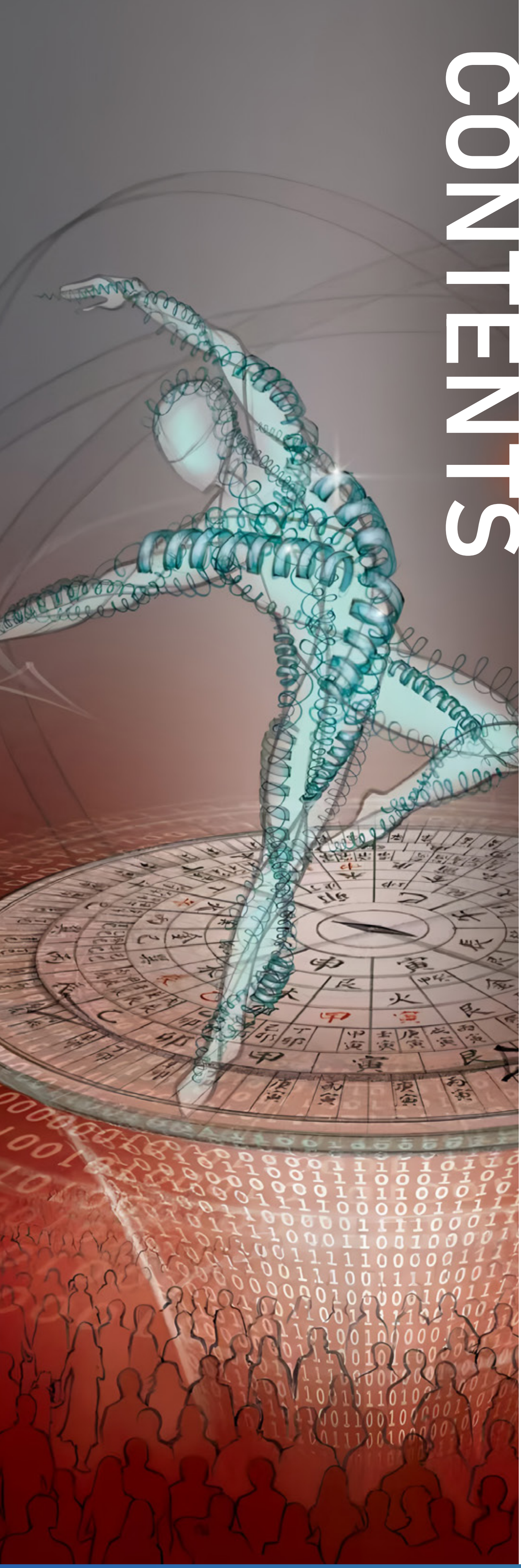
PROGRAM
程序册



探索蛋白质宇宙：
迈向新生物学和精准医学

Navigating the Protein Universe:
toward New Biology and Precision Medicine

Oct 11-14, 2025
Guangzhou, China 中国・广州



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Welcome Message
欢迎致辞

Dear Friends and Colleagues,

It is with great pleasure that we welcome you to the **Joint 12th AOHUPO, 8th AOAPO, 3rd π-HuB Global Summit, and 13th CNHUPO Congress**, to be held in **Guangzhou, China, from October 11 to 14, 2025**. This year marks a particularly special occasion: **for the first time in 13 years, the AOHUPO Congress and the CNHUPO Congress are once again held together in China**. This reunion symbolizes the strong ties and growing collaboration between the Asia–Oceania proteomics community and the Chinese proteomics society, creating a unique platform for international dialogue and partnership.

The theme of this congress is *"Navigating the Protein Universe: Toward New Biology and Precision Medicine"*. Nearly **200 leading scientists, clinicians, and industry innovators from more than 20 countries and regions** will gather in Guangzhou, together with nearly **2,000 participants**. Through **30+ thematic forums and special sessions**, the congress will highlight cutting-edge progress in proteomics—from fundamental research and advanced technologies to data science, clinical applications, and industrial translation. This meeting is also dedicated to inspiring the next generation: young scientists and students will have the opportunity to present their work and engage directly with world-renowned experts, while industry partners will showcase their latest innovations, fostering dialogue across academia, healthcare, and biotechnology.

We extend our heartfelt gratitude to the **π-HuB Project**, **AOHUPO**, **AOAPO**, **CNHUPO**, and our global partners for their invaluable support. Our special thanks also go to **Southern Medical University** and all the co-organizers, exhibitors, and partners—your contributions have made this gathering possible.

By the Pearl River, the stage is set for an inspiring academic exchange. In Guangzhou—a city of openness and innovation—the global proteomics community will come together. We look forward to welcoming you and hope this congress will spark new scientific progress while leaving every participant with meaningful experiences and lasting memories.

Warm regards,

Chairs of the Joint 12th AOHUPO, 8th AOAPO, 3rd π-HuB Global Summit in conjunction with the 13th CNHUPO Congress


Fu-Chu He
Honorary Chair


Ruedi Aebersold
Honorary Chair


Terence Poon
Co-Chair


Ping Xu
Co-Chair


Li Ma
Co-Chair

Organization Committee
会议组织机构

Sponsors and Organizers | 组织单位

Sponsors
The π-HuB organization
Asia Oceania Human Proteome Organisation (AOHUPO)
Asia Oceania Agricultural Proteomics Organization (AOAPO)
China Human Proteome Organization (CNHUPO)

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π-HuB 计划国际组织（筹）
亚太人类蛋白质组组织
亚洲大洋洲农业蛋白质组组织
中国人类蛋白质组组织

Organizers
Southern Medical University
National Center for Protein Sciences (Beijing)
State Key Laboratory of Medical Proteomics
International Academy of Phronesis Medicine (Guangdong)
Guangdong Provincial Key Laboratory of Chinese Medicine Pharmaceutics

承办单位
南方医科大学
国家蛋白质科学中心（北京）
医学蛋白质组全国重点实验室
广东智慧医学国际研究院
广东省中药制剂重点实验室

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Ruedi Aebersold

Co-Chairs 大会主席
Terence Poon
Ping Xu（徐平）
Li Ma（马骊）

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Xing Chen（陈兴）
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Stuart Cordwell
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Fu-Chu He（贺福初）
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Catherine C L Wong（黄超兰）
Ping Xu（徐平）

Eizadora T. Yu
Xiao-Bo Yu（于晓波）
Shamshad Zarina
Li-Hua Zhang（张丽华）

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Yan Zhang（张延）
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Tian-Nan Guo (郭天南)
Teck Yew Low

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Dong Han（韩冬）
Li-Qin Qian（钱丽琴）
Xuan Zheng（郑璇）
Nian-Zi Luo（罗年子）

National Center for Protein Sciences • Beijing
Address: No. 38, Life Science Park Road,
Changping District, Beijing, China

国家蛋白质科学中心 • 北京
地址：北京市昌平区科学园路 38 号

Congress Information
会议信息

Theme ｜ 会议主题

Navigating the Protein Universe: Toward New Biology and Precision Medicine
探索蛋白质宇宙：迈向新生物学和精准医学

Venue ｜ 会议地址

Baiyun International Convention Center, Guangzhou, Guangdong Province, China
白云国际会议中心，中国 • 广东省 • 广州

Website ｜ 会议网址

http://www.aohupo2025.com
http://cnhupo.org.cn

Language ｜ 会议语言

English/Chinese
英文 / 中文

Conference Rooms ｜ 会场分布

Plenary Lecture Rooms 主会场

1. Oriental Hall, 2nd Floor, Block 3 东方厅（10.12）
2. Lingnan Convention Hall, 2nd Floor 岭南大会堂（10.13-14）

The 3rd π-HuB Global Summit and the 1st π-HuB Industry Conference: Qinghe Hall, 1st Floor, Block 1
π-HuB 计划全球峰会 , π-HuB 计划首届产业大会：清和厅，一号楼 1 层

Parallel Session Rooms 分会场

1. Maoming Hall, 1st Floor 茂名厅
2. Jieyang Hall, 1st Floor 揭阳厅
3. Meizhou Hall, 1st Floor 梅州厅
4. Shenzhen Hall, 2nd Floor 深圳厅
5. Shantou Hall, 2nd Floor 汕头厅

Training Classroom 技术培训教室

MaxQuant Training Courses: Maoming Hall, 1st Floor **MaxQuant 技术培训教室：**茂名厅
PEAKS Online Training Courses: Jieyang Hall, 1st Floor **PEAKS Online 技术培训教室：**揭阳厅
AI for Protein Science Training Courses: Jieyang Hall, 1st Floor **AI 及蛋白质组学应用培训教室：**揭阳厅
Deep Visual Proteomics Training Courses: Maoming Hall, 1st Floor
深度可视化蛋白质组学培训教室：茂名厅

CNHUPO Council Meeting CNHUPO 理事会会场

Shenzhen Hall, 2nd Floor 深圳厅

AOHUPO Council Meeting AOHUPO 理事会会场

Lingnan Convention Hall VIP Lounge, 2nd Floor 岭南大会堂贵宾室

AOAPO Council Meeting AOAPO 理事会会场

Lingnan Convention Hall VIP Lounge, 2nd Floor 岭南大会堂贵宾室

Exhibition 展厅

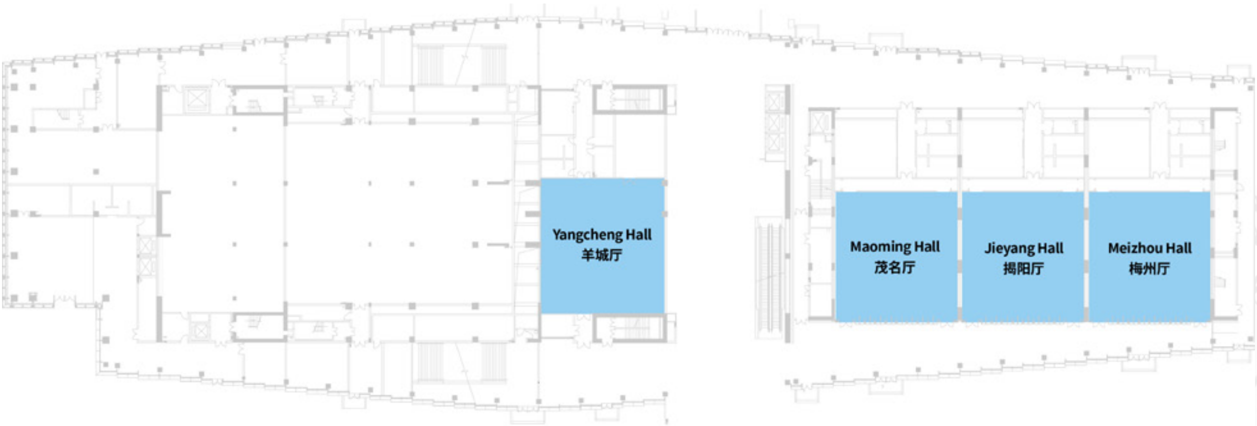
1st Floor, Block 2 二号楼一层

Poster 墙报

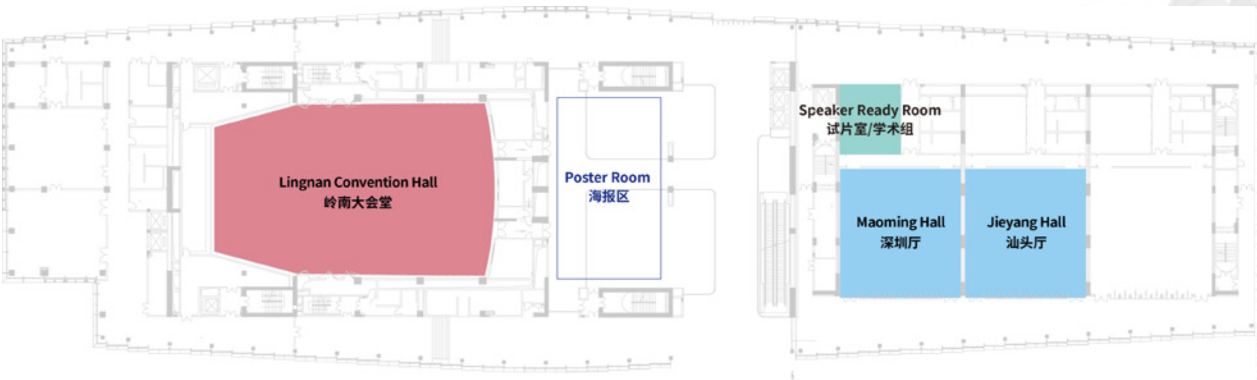
2nd Floor, Lingnan Convention Hall 岭南大会堂

Speaker Ready Room 试片室 / 学术组

Accessory Room of Shenzhen Hall, 2nd Floor 二层深圳厅副厅



Floor Plan of the First Floor of Block 2
2号楼一层平面图



Floor Plan of the Second Floor of Block 2
2号楼二层平面图

Catering Location 用餐地点

	10.12	10.13	10.14
Lunch 午餐	Pearl River Hall D, 1st Floor 珠江厅 D 区，一层		
Dinner 晚餐	Oriental Hall, 2nd Floor 东方厅，二层	Pearl River Hall D, 1st Floor 珠江厅 D 区，一层	
VIP Reception		Qinghe Hall, 1st Floor 清和厅，一层	

WiFi: Free WiFi is accessible in Baiyun International Convention Center.
无线网络：会议中心全面覆盖免费无线网络，助您联动世界

Media Support 媒体支持：

http://www.dxy.cn
http://www.bioart.com.cn
http://www.ebiotrade.com
http://www.pharmatable.com

Welcome to Joint 12th AOHUPO, 8th AOAPO, 3rd π-HuB Global Summit in Conjunction with 13th CNHUPO Congress. All congress activities and exhibition are in the Baiyun International Convention Center.

Registration and Information

The registration desk is located in the lobby of Block 3, Baiyun International Convention Center.

Opening Time:

Oct, 9-10 08:30 - 20:00
Oct, 11-14 08:30 - 20:00

Registered Delegates are Entitled to:

Opening Ceremony, Welcome Reception and Closing Ceremony
Attendance to Sessions
Entrance to Exhibition
All Congress Documents
Coffee Breaks

Name Badges and Tickets

For security purposes, delegates and exhibitors must wear their name badges during the congress. Entrance to the meeting room will be limited to badge holders only.

Staff Brigade

A team of enthusiastic students will be at your service. During the congress hours, they will provide hospitality support and steward services. They will also serve in most of the meeting rooms as technical assistants and can be easily recognized by their marks of VOLUNTEER.

Program Changes

The organizers cannot accept liability for any changes in the program due to external or unforeseen circumstances.

Oral Presentations

Only LCD projectors are used for oral sessions. Speakers must go to the Speaker Ready Room at least one day prior to their talks to load their powerpoint file onto the congress computers. The Speaker Ready Room is the accessory room of Shenzhen Hall. The room will keep opening with a technician present during the following time slots:

Oct, 9 14:00 - 18:00
Oct, 10 08:00 - 18:00
Oct, 11 08:00 - 18:00
Oct, 12 08:00 - 18:00
Oct, 13 08:00 - 18:00
Oct, 14 08:00 - 18:00

Poster Presentations

Refer to the poster numbers in this program for board assignments. Authors are expected to supply scotch tape to mount their posters. Posters must be in place by 16:00 on Oct 12 at the Poster Area and removed at 18:00 on Oct 14. To assure all attendees to have time for viewing posters, please do not remove posters ahead of the designed time. All the posters have the opportunities to join the competition of the CNHUPO 2025 Excellent Poster Award. 10 posters will be awarded in the Closing Ceremony.

Duplication, Recording

Without permission from authors, taking photographs, audio-taping, video-recording, digital taping and any other form of duplication are strictly prohibited in the session rooms and poster areas.

Mobile Phones

Participants are kindly requested to turn off their cell phones or keep the cell phones in vibration state when entering the congress rooms and in the poster area.

Smoking Policy

In the Baiyun International Convention Center, smoking is prohibited. Smoking is only permitted in a few designated areas outside the building.

Time

Guangzhou is 8 hours ahead of Greenwich Mean Time.

Weather

October is a delightful month for weather condition in Guangzhou. Typically, it is comfortably warm with lower humidity, making the beginning of the pleasant autumn season. Temperature during the conference in Guangzhou is 22-30.
Make sure to carry an umbrella because there may be showers during the conference.

Water

It is not recommended to directly drink the water from the tap in your hotel room or at the congress area. If you want to drink cold water, it is best to order or buy bottled water, mineral or distilled water. Hotels generally provide an electrically heated kettle to boil water from the tap in your room. Some hotels also provide a special tap in the lavatory that delivers a flow of purified water for drinking.
This advice also applies to your pre-congress or post-congress travel in other cities in China.

Voltage, Socket and Plugs

The electrical current in China is 220-volts, 50Hz, AC. Hotels generally provide wall sockets in every room, accommodating both the standard “Flat blade attachment plug (Type A)” and common “Oblique flat blades with ground (inverted V) plug (Type I)” as well as the not-so-common “Round pin attachment plug (Type C)”.

Currency

The local currency is the RMB. Visa and Master Card are accepted at the Registration Desk. Foreign currency will not be accepted. You can pay with cash in RMB or credit card. The amount debited from your account will vary due to fluctuations in the exchange rate. There is normally a 4% additional bank charge. Participants can exchange their currencies at airports, major hotels and banks in China. The exchange rate will be given daily by the Bank of China. Currently, 1 USD can be exchanged for about 7.1 RMB yuan. All currency exchange receipts should be saved in case participants want to exchange RMB back to their own currency. Banks may demand to see the original exchange receipt.

Emergencies

If you or any other delegate is unwell, an accident or any other emergency occurs, while at the venue, please contact the Registration Desk or any staff member.

Lost Property

If you see any unattended parcel, please report to one of the congress staff members. If you lose anything at the venue, please enquire at the Registration Desk.

Insurance

The congress organizers recommend participants to possess travel, property medical or other necessary insurances before coming to China. The Congress Organizers cannot be held responsible for the costs resulting from personal accidents or property loss during the congress.

Hotlines

Phone number
110 Police
114 Local Telephone Number Inquiry
117 Time Inquiry
119 Fire
120 Ambulance
121 Weather Forecast
122 Traffic Police

Program at a Glance

DATE	10.10 (Fri.)	10.11 (Sat.)	10.12 (Sun.)		10.13 (Mon.)		10.14 (Tue.)	
	All Day	All Day	AM	PM	AM	PM	AM	PM
MaxQuant Pre-Congress Training Courses	Maoming Hall 09:00-17:00							
PEAKS Online Pre-Congress Training Courses	Jieyang Hall 09:00-17:00							
The π-HuB Project Global Summit and the 3rd Council Meeting		Qinghe Hall 09:00-18:00	Qinghe Hall 09:00-12:00					
Deep Visual Proteomics Training Courses			Maoming Hall 09:00-13:30					
AI for Protein Science Training Courses			Jieyang Hall 09:00-12:30					
AOHUPO Young Scholar Forum			Shenzhen Hall 08.45-12:00					
Flash Talk and Rising Star Symposium			Meizhou Hall 09:00-12:00					
Opening Ceremony				Oriental Hall 15:00-15:40				
Plenary Lectures				Oriental Hall 15:40-17:40	Lingnan Convention Hall 08:30-09:45	Lingnan Convention Hall 16:40-17:55	Lingnan Convention Hall 08:30-09:45	Lingnan Convention Hall 16:30-17:30
Welcome Reception				Oriental Hall 18:30-20:00				
CNHUPO Council Meeting					Shenzhen Hall 07:30-08:20			
Poster Viewing/Coffee Break					2nd Floor 09:45-10:10	2nd Floor 16:00-16:40	2nd Floor 09:45-10:10	2nd Floor 16:00-16:30
PS 1: Emerging Proteomics Technologies					Lingnan Convention Hall 10:10-12:10			
PS 2: Native Mass Spectrometry and Structural Biology					Shenzhen Hall 10:10-12:15			
PS 3: Single Cell Proteomics					Shantou Hall 10:10-12:20			
PS 4: Understudied Proteomics and Peptidomics					Maoming Hall 10:10-12:10			
PS 5: Artificial Intelligence and Education					Jieyang Hall 10:10-12:00			
PS 6: Proteomics-Driven Precision Medicine (A)					Meizhou Hall 10:10-12:10			
AOHUPO Council Meeting						Lingnan Convention Hall VIP Lounge 12:30-14:00		
Industry Seminars: Bioinformatics Solutions Inc. (BSI)						Lingnan Convention Hall 12:30-13:30		
Industry Seminars: Syncell Inc.						Maoming Hall 12:30-13:30		
Industry Seminars: TECAN						Jieyang Hall 12:30-13:30		
Industry Seminars: Thermo Fisher Scientific						Meizhou Hall 12:30-13:30		
Industry Seminars: Evosep						Shenzhen Hall 12:30-13:30		

DATE	10.10 (Fri.)	10.11 (Sat.)	10.12 (Sun.)		10.13 (Mon.)		10.14 (Tue.)	
	All Day	All Day	AM	PM	AM	PM	AM	PM
Industry Seminars: Gene Company Limited & Covaris						Shantou Hall 12:30-13:30		
Industry Seminars: Bruker Corporation						Yangcheng Hall 12:30-13:30		
PS 7: Chemoproteomics and Drug Discovery						Lingnan Convention Hall 14:00-16:15		
PS 8: Proteomics of Model Systems						Shenzhen Hall 14:00-16:00		
PS 9: Spatial Proteomics						Shantou Hall 14:00-16:10		
PS 10: Modernization of Traditional Chinese Medicine						Maoming Hall 14:00-15:40		
PS 11: Computational and AI Proteomics (A)						Jieyang Hall 14:00-16:00		
The 1st π-HuB Industry Conference						Qinghe Hall 13:30-17:00		
VIP Reception						Qinghe Hall 18:30-20:00		
PS 12: Proteomics Beyond Mass Spectrometry							Lingnan Convention Hall 10:10-12:10	
PS 13: Computational and AI Proteomics (B)							Shenzhen Hall 10:10-12:10	
PS 14: Advances in Agricultural Proteomics							Shantou Hall 10:10-12:10	
PS 15: Body Fluid Proteomics							Maoming Hall 10:10-12:15	
PS 16: Proteomics-Driven Precision Laboratory Medicine							Jieyang Hall 10:10-12:15	
PS 17: Post-translational Modifications							Meizhou Hall 10:10-12:25	
AOAPO Council Meeting								Lingnan Convention Hall VIP Lounge 12:30-14:00
Industry Seminars: Olink Proteomics								Maoming Hall 12:30-13:30
Industry Seminars: Beijing Qinglian Biotech Co., Ltd.								Meizhou Hall 12:30-13:30
Industry Seminars: SCIEX CHINA								Jieyang Hall 12:30-13:30
Industry Seminars: Illumina								Lingnan Convention Hall 12:30-13:30
Industry Seminars: Novogene Co., Ltd.								Shenzhen Hall 12:30-13:30
PS 18: Cross-species proteomics								Lingnan Convention Hall 14:00-16:00
PS 19: Proteomics of the Microbes								Shenzhen Hall 14:00-15:55
PS 20: Proteomics Marries other Omics								Shantou Hall 14:00-15:50
PS 21: Proteomics-Driven Precision Medicine (B)								Maoming Hall 14:00-16:10
PS 22: Proteome Dynamics								Jieyang Hall 14:00-16:15
Closing Ceremony								Lingnan Convention Hall 16:30-18:00

Congress Agenda

Time	Event	Venue
Oct 9, 2025		
08:30-18:00	Registration (Participants in Pre-Congress Training Course)	Lingnan Hotel (Block 1) Lobby
Oct 10, 2025		
09:00-17:00	MaxQuant Pre-Congress Training Courses (Day 1)	Maoming Hall
09:00-17:00	PEAKS Online Pre-Congress Training Courses (Day 1)	Jieyang Hall
08:30-18:00	Registration (π-HuB Project Global Summit Representative)	Lingnan Hotel (Block 1) Lobby
Oct 11, 2025		
09:00-17:00	MaxQuant Pre-congress Training Courses (Day 2)	Maoming Hall
08:00-16:50	PEAKS Online Pre-congress Training Courses (Day 2)	Jieyang Hall
08:30-18:00	Registration (All Participants)	Block 3 Lobby
09:00-18:00	The π-HuB Project Global Summit and the 3rd Council Meeting (Day 1)	Qinghe Hall
Oct 12, 2025		
09:00-12:00	The π-HuB Project Global Summit and the 3rd Council Meeting (Day 2)	Qinghe Hall
09:00-13:30	Deep Visual Proteomics Training Courses	Maoming Hall
09:00-12:30	AI for Protein Science Training Courses	Jieyang Hall
08:45-12:00	AOHUPO Young Scholar Forum	Shenzhen Hall
09:00-12:00	Flash Talk and Rising Star Symposium	Meizhou Hall
15:00-17:40	Opening Ceremony and Plenary Lectures (4)	Oriental Hall
18:30-20:00	Welcome Reception	Oriental Hall
Oct 13, 2025		
07:30-08:20	CNHUPO Council Meeting	Shenzhen Hall
08:30-09:45	Plenary Lectures (3)	Lingnan Convention Hall

Time	Event		Venue
09:45-10:10	Poster Viewing/Coffee Break		2nd Floor
10:10-12:20	Parallel Sessions	PS 1: Emerging Proteomics Technologies	Lingnan Convention Hall
		PS 2: Native Mass Spectrometry and Structural Biology	Shenzhen Hall
		PS 3: Single Cell Proteomics	Shantou Hall
		PS 4: Understudied Proteomics and Peptidomics	Maoming Hall
		PS 5: Artificial Intelligence and Education	Jieyang Hall
		PS 6: Proteomics-Driven Precision Medicine (A)	Meizhou Hall
12:30-14:00	AOHUPO Council Meeting		Lingnan Convention Hall VIP Lounge
12:30-13:30	Industry Seminars	Bioinformatics Solutions Inc. (BSI)	Lingnan Convention Hall
		Syncell Inc.	Maoming Hall
		TECAN	Jieyang Hall
		Thermo Fisher Scientific	Meizhou Hall
		Evosep	Shenzhen Hall
		Gene Company Limited & Covaris	Shantou Hall
		Bruker Corporation	Yangcheng Hall
14:00-16:00	Parallel Sessions	PS 7: Chemoproteomics and Drug Discovery	Lingnan Convention Hall
		PS 8: Proteomics of Model Systems	Shenzhen Hall
		PS 9: Spatial Proteomics	Shantou Hall
		PS 10: Modernization of Traditional Chinese Medicine	Maoming Hall
		PS 11: Computational and AI Proteomics (A)	Jieyang Hall
13:30-17:00	The 1st π-HuB Industry Conference		Qinghe Hall
16:00-16:40	Poster Viewing/Coffee Break		2nd Floor
16:40-17:55	Plenary Lectures (3)		Lingnan Convention Hall
18:30-20:00	VIP Reception		Qinghe Hall

Time	Event		Venue
Oct 14, 2025			
08:30-09:45	Plenary Lectures (3)		Lingnan Convention Hall
09:45-10:10	Poster Viewing/Coffee Break		2nd Floor
10:10-12:20	Parallel Sessions	PS 12: Proteomics Beyond Mass Spectrometry	Lingnan Convention Hall
		PS 13: Computational and AI Proteomics (B)	Shenzhen Hall
		PS 14: Advances in Agricultural Proteomics	Shantou Hall
		PS 15: Body Fluid Proteomics	Maoming Hall
		PS 16: Proteomics-Driven Precision Laboratory Medicine	Jieyang Hall
		PS 17: Post-translational Modifications	Meizhou Hall
12:30-14:00	AOAPO Council Meeting		Lingnan Convention Hall VIP Lounge
12:30-13:30	Industry Seminars	Olink Proteomics	Maoming Hall
		Beijing Qinglian Biotech Co., Ltd.	Meizhou Hall
		SCIEX CHINA	Jieyang Hall
		Illumina	Lingnan Convention Hall
		Novogene Co., Ltd.	Shenzhen Hall
14:00-16:00	Parallel Sessions	PS 18: Cross-species proteomics	Lingnan Convention Hall
		PS 19: Proteomics of the Microbes	Shenzhen Hall
		PS 20: Proteomics Marries other Omics	Shantou Hall
		PS 21: Proteomics-Driven Precision Medicine (B)	Maoming Hall
		PS 22: Proteome Dynamics	Jieyang Hall
16:00-16:30	Poster Viewing/Coffee Break		2nd Floor
16:30-18:00	Plenary Lectures (2) and Closing Ceremony		Lingnan Convention Hall

Pre-Congress Training Courses

MaxQuant Workshop

Oct 10-11, 2025 09:00-17:00 (Maoming Hall)

Time	Session
Oct 10, 2025	
09:00-09:45	MaxQuant DDA Workflow
09:45-10:30	DDA Label Free Quantification
10:30-11:00	Coffee Break
11:00-11:45	MaxQuant DDA Tutorial I
11:45-12:30	MaxQuant DDA Tutorial II
12:30-13:30	Lunch Break
13:30-14:15	Output Tables
14:15-15:00	Perseus Introduction
15:00-15:30	Coffee Break
15:30-16:15	Perseus Basic Tutorial I
16:15-17:00	Perseus Basic Tutorial II
17:00	Question Session
Oct 11, 2025	
09:00-09:45	MaxDIA I
09:45-10:30	MaxDIA II
10:30-11:00	Coffee Break
11:00-11:45	MaxQuant DIA tutorial
11:45-12:30	Single-Cell Proteomics
12:30-13:30	Lunch Break
13:30-14:15	Metadata in Proteomics
14:15-15:00	PTMs I
15:00-15:30	Coffee Break
15:30-16:15	PTMs II
16:15-17:00	PTMs Analysis
17:00	Question Session

PEAKS Online Training Workshop

Oct 10-11, 2025 09:00-17:00 (Jieyang Hall)

Time	Session
Oct 10, 2025	
09:00-09:45	Deep Learning-based De Novo Sequencing and Database Search for In-depth and High-throughput Proteomics
09:45-10:30	Confident PTM and Sequence Variants Profiling
10:30-11:00	Coffee Break
11:00-11:45	Multi-omics Enabled Immunopeptidome with Higher Accuracy and Sensitivity
11:45-12:30	Stream-lined Proteomics Workflow with DIA
12:30-13:30	Lunch
13:30-14:15	Uncover Dark Peptidome/Proteome from DIA Data with PEAKS
14:15-15:00	Cloud-based Scalable Data Analysis of Large Cohort Proteomics
15:00-15:30	Coffee Break
15:30-17:00	Hands-on & Question Session
Oct 11, 2025	
09:00-09:45	TMT and SILAC Data Analysis
09:45-10:30	PEAKS GlycanFinder Walkthrough-Glycan Profiling with Structural Resolution
10:30-11:00	Coffee Break
11:00-11:45	Deep Proteoform Profiling with Intact, Top-Down and Bottom-Up
11:45-12:30	Hands-on
12:30-13:30	Lunch
13:30-14:15	Peptide De Novo Sequencing
14:15-15:00	Protein De Novo Sequencing
15:00-15:30	Coffee Break
15:30-17:00	Hands-on & Question Session

AI for Protein Science Workshop

Oct 12, 2025 09:00-12:30 (Jieyang Hall)

Chair: **Lu Xie, Menghuan Zhang, Cheng Chang**

Time	Speaker and Title
09:00-09:40	**Mingfei Han** *National Center for Protein Sciences (Beijing), China* Title: Introduction to Proteomic Data Resources and Multi-Omics Analysis Strategies
09:40-10:20	**Qun Dong** *Dalian University of Technology, China* Title: Statistical Analysis and Annotation of Clinical Cohort Proteomics Quantification Data
10:20-10:30	Coffee Break
10:30-11:10	**Jun Xia** *Hong Kong University of Science and Technology (Guangzhou), China* Title: Spectra AI: Towards Building Proteomic Mass Spectrum Foundation Models and Beyond
11:10-11:50	**Menghuan Zhang** *Tongji University, China* Title: The Application of Large Models in Protein Post-Translational Modification Research
11:50-12:30	**Yongge Li** *AI For Science Institute, Beijing, China* Title: A Review of Frontier Technologies in Omics-Based Large Models

Deep Visual Proteomics Workshop

Oct 12, 2025 09:00-13:30 (Maoming Hall)

Time	Session
09:00-09:20	Introduction to DVP – Principles, Pipeline, and advantages
09:20-09:40	Tissue Slides Preparation – Sectioning, staining, and imaging
09:40-10:30	AI-based Cell Segmentation and Region-Selective Sampling – Tools and Contour Processing
10:30-10:50	Coffee Break + Q&A Networking
10:50-11:20	Laser Microdissection Workflow – Precision Cutting and Sample Collection
11:20-11:40	Low-input Sample Preparation & HPLC-MS/MS Acquisition
11:40-12:10	Data Quality Control and Data Analysis in DVP
12:10-12:30	Applications & Case Studies
12:40-13:30	Working Lunch + Q&A & Networking

Satellite Symposiums Program
卫星会报告日程

AOHUPO Young Scholar Forum

Oct 12, 2025 08:45-12:00 (Shenzhen Hall)

Host: **Qian Zhao, Yao Zhang, Wanting Liu, Jingyi Hou**

Time	Speaker and Title
08:45-09:00	**Yafeng Zhu** *Sun Yat-sen University, China* Title: Mining Dark Proteome: shedding lights on unannotated human proteins
09:00-09:15	**Yang Yang** *Hong Kong Polytechnic University, China* Title: Proteogenomic Profiling Reveals Small ORFs and Functional Microproteins in Activated T Cells
09:15-09:30	**Ayaka Yoshida** *National Institute of Health Sciences, Ministry of Health, Labour and Welfare, Japan* Title: Proteomics-Based Study on Expression Dynamics of a Novel Biomarker Candidate in Interstitial Lung Disease Rat Models
09:30-09:45	**Penchatr Diskul-Na-Ayudthaya** *Chulabhorn Research Institute, Thailand* Title: Identification of Metastatic Breast Cancer Biomarkers by Integrative Transcriptome and Proteome Analyses
09:45-10:00	**Joan Catherine A. Chua** *Marine Science Institute, University of the Philippines Diliman, The Philippines* Title: Philippine Teredinibacter Turnerae Leverage Multiple Polysaccharide Utilization Loci for Pectin Catabolism
10:00-10:15	**Surbhi Bihani** *Indian Institute of Technology Bombay, India* Title: Pan-Respiratory Virus Protein Microarray Reveals Diminished IgG Responses to Non-SARS-CoV-2 Viruses Post-Pandemic
10:15-10:30	Coffee Break
10:30-10:45	**Na Li** *Institute of Biophysics, Chinese Academy of Sciences, China* Title: Single-Position Peptide Clustering Strategy for Peptidomics Reveals Novel Disease Biomarkers and Dysregulated Proteolytic Characteristics

Time	Speaker and Title
10:45-11:00	**Ming Li** *Hubei University, China* Title: Research on Peptidogenomics of Rice Under Abiotic Stress and Construction of a Tissue-Specific Peptide Database
11:00-11:15	**Jing Zhang** *Jinan University, China* Title: Functional Study of uPE1s on Chromosome 20 in Colorectal Cancer
11:15-11:30	**Zhao Peng** *Central China Normal University, China* Title: Prediction of Human smORF-Encoded Peptides and Their Interacting Proteins
11:30-11:45	**Hamizah Shahirah Hamezah** *Universiti Kebangsaan Malaysia, Malaysia* Title: Alterations of Proteome Profiles in the Aged Rats Brain
11:45-12:00	**Yimeng Qiao** *Hong Kong University of Science and Technology, Hong Kong, China* Title: Spatial-GTPformer: A Generative Model for Translating Spatial Transcriptomics to Proteomics

Flash Talk and Rising Star Symposium

Oct 12, 2025 09:00-12:00 (Meizhou Hall)

Chair: **Zilu Ye, Lili Niu**

Time	Speaker and Title
09:00-09:10	**Mowei Zhou** *Zhejiang University, China* Title: Informing Enzyme Design via Native Top-Down Mass Spectrometry
09:10-09:20	**Xiaoyuan Hu** *Guangxi University, China* Title: Proteomic Investigation into the Mechanisms of Aluminum Exposure-Induced Developmental Toxicity in Mice
09:20-09:30	**Lei Gu** *Suzhou Institute of Systems Medicine, Chinese Academy of Medical Sciences, China* Title: Dual-Spray Tandem LC System Improves MS Utilization and Throughput in MS-based Proteomics
09:30-09:40	**Shouxiang Zhang** *La Trobe University, Australia* Title: Global analysis of Endogenous Protein Disorder in Cells
09:40-09:50	**Wenbin Jiang** *Xiamen University, China* Title: AbNovoBench: A Comprehensive, Standardized, and Reliable Benchmarking System for Evaluating Monoclonal Antibody De Novo Sequencing Analysis
09:50-10:00	**Liujia Qian** *Westlake University, China* Title: Rationale Prediction of Drug Combinations Based on Large-Scale Perturbation Proteomics
10:00-10:10	**Jiayi Shen** *Shanghai Jiao Tong University, China* Title: A Machine Learning–Enabled Urinary Protein Signature for the Accurate Diagnosis of Preeclampsia: Discovery and Multi-Center Validation
10:10-10:30	Coffee Break
10:30-10:40	**Liang Yue** *Westlake University, China* Title: Spatial Distribution of the Proteome in Human Body and Cancers
10:40-10:50	**Ting Yu** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China* Title: Solvent-Induced Partial Cellular Fixation Approach Enables Proteome-Wide Decoding of Drug Targets And Drug-Induced Downstream Biochemical Pathways in Living Cells

Time	Speaker and Title
10:50-11:00	**Beirong Zhang** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China* Title: In Vivo XL-MS Enables Large-Scale Mapping of Protein-Protein Interaction Networks in Cells
11:00-11:10	**Pengzhi Mao** *Institute of Computing Technology, Chinese Academy of Sciences, China* Title: pLink3: Unified Analysis of Large-Scale Crosslinking Proteomics Data
11:10-11:20	**Rui Sun** *Westlake University, China* Title: ProteinTalks: An AI Virtual Cell Foundation Model Extended to Clinical Application
11:20-11:30	**Zhen Dong** *Westlake University, China* Title: Filter-Aided Expansion Proteomics for Spatial Analysis of Single Cells and Organelles in FFPE Tissues
11:30-11:40	**Changying Fu** *Southern University of Science and Technology, China* Title: Deciphering Ectodomain Shedding of Membrane Proteins in Pancreatic Cancer: Mechanisms and Functional Implications
11:40-11:50	**Tingpeng Yang** *Peng Cheng Laboratory, China* Title: π-HelixNovo2: Making Accurate Online De Novo Peptide Sequencing Available to All
11:50-12:00	**Siyu He** *Sichuan University, China* Title: Global Analysis of Protein Modifications Reveals Faecalibacterium-mediated PRDX6 Acetylation Protecting Against Primate Gut Inflammaging

The 1st π-HuB Industry Conference

Oct 13, 2025 13:30-16:50 (Qinghe Hall)

Time	Session
13:30-14:00	Registration & Welcome Reception
14:00-14:10	Opening Address
14:10-14:20	Official Announcement Ceremony: π-HuB Park
14:20-14:40	Keynote Presentations: π-HuB Ecosystem Strategy & π-HuB Park Planning Report
14:40-15:30	Signing Ceremony: Partnerships with Global Leading Enterprises and Key Projects
15:30-16:15	Innovation Launch: New Technology and Product Launches, Initiative of the International Pathology Center
16:15-16:45	Closing Remarks
16:45-16:50	Event Concludes
Post-Event: Networking Session-Dinner	

Plenary Session Program
大会报告日程

Time	Speaker and Title
Oct 12, 2025	
Chair: **Ming Li, Connie R Jimenez, Hui Zhang, Albert Heck**	
15:40-16:10	**Ruedi Aebersold** *Academician of the German National Academy of Sciences Leopoldina* *ETH Zurich, Switzerland* Title: The Adaptable Modular Proteome Specifies Cellular States
16:10-16:40	**Zihe Rao** *Academician of the Chinese Academy of Sciences, Tsinghua University, China* Title: Pathogen and Public Health
16:40-17:10	**Jun Ma** *Academician of the Chinese Academy of Sciences* *Sun Yat-sen University Cancer Center, China* Title: Research on Immunotherapy for Nasopharyngeal Carcinoma
17:10-17:40	**Fuchu He** *Academician of the Chinese Academy of Sciences* *National Center for Protein Sciences (Beijing), China* Title: π-HuB: Proteomic Navigator of The Human Body
Oct 13, 2025	
Chair: **Mark Molloy**	
08:30-08:55	**Albert Heck** *Academician of the Royal Netherlands Academy of Arts and Sciences* *Utrecht University, the Netherlands* Title: Touching Upon the Millions of Hidden Treasures in the Plasma Proteome
08:55-09:20	**Aiping Lyu** *Foreign Academician of Academia Europaea, Hong Kong Baptist University, China* Title: Proteomics-Powered Innovation in Modernizing Traditional Chinese Medicine: A Case Study of Oridonin
09:20-09:45	**Wen Gao** *Academician of the Chinese Academy of Engineering* *Pengcheng Laboratory, China* Title: Pengcheng CloudBrain Series and Application Exploration of Pengcheng Mind Large Model

Time	Speaker and Title
Chair: **Wei Wu**	
16:40-17:05	**K. W. Michael Siu** *Fellow of the Royal Society of Canada* *Shandong Provincial Public Health Clinical Center, China* Title: Clinical Application of Mass Spectrometry-Based Proteomics
17:05-17:30	**Ho Jeong Kwon** *Yonsei University, South Korea* Title: Organelle-Targeted Chemical Proteomics: Toward Precision Metabolic Therapy
17:30-17:55	**Connie R. Jimenez** *Amsterdam University Medical Center, the Netherlands* Title: Clinical (Phospho) Proteomics for Precision Medicine
Oct 14, 2025	
Chair: **Yasushi Ishihama**	
08:30-08:55	**Ming Li** *Fellow of the Royal Society of Canada* *University of Waterloo, Canada* Title: AI for MS: From Small Data to Large Data and Back to Small Data
08:55-09:20	**Uwe Völker** *Universitätsmedizin Greifswald, Germany* Title: Multiomics Analyses of Population-Based Cohorts - The study of Health in Pomerania (SHIP) as an Example
09:20-09:45	**Hui Zhang** *Johns Hopkins University, USA* Title: Clinical Proteomics: Technologies and Applications
Chair: **Teck Yew Low**	
16:30-17:00	**Chris Sander** *Harvard Medical School, USA* Title: Reducing the Cancer Burden using Proteomic Profiles - Combination Therapy and Early Detection
17:00-17:30	**Matthias Mann** *Academician of the German National Academy of Sciences Leopoldina* *Max Planck Institute of Biochemistry, Germany* Title: MS-Based Proteomics Enters the High-Throughput Era

Parallel Sessions Program
分会报告日程

Session 1: **Emerging Proteomics Technologies**

Oct 13, 2025 10:10-12:10 (Lingnan Convention Hall)

Organizers: **Haojie Lu, Chu Wang, Minjia Tan, Weijie Qin**
Co-Chairs: **Chu Wang, Yasushi Ishihama, Minjia Tan**

Time	Speaker and Title
10:10-10:30	**Yasushi Ishihama** *Kyoto University, Japan* Title: Ultrahigh-Throughput Proteomics with Robust NanoLC/MS/MS with Sample Preparation
10:30-10:50	**Qingsong Lin** *National University of Singapore, Singapore* Title: Acoustically Enhanced Protein Extraction Facilitates Proteomic Analysis of FFPE KRAS-Mutant Colorectal Cancer Tissues
10:50-11:05	**Qun Fang** *Zhejiang University, China* Title: Microfluidic Single-Cell Proteomics and Multi-Omics Analysis
11:05-11:20	**Ying Zhang** *Fudan University, China* Title: Chemical Proteomics Toolbox for Global Mapping of Ligandable Surfaceome and Viral Receptors
11:20-11:35	**Jie Zheng** *Shanghai Jiao Tong University, China* Title: High Resolution HDX-MS Fuels Structural Proteomics: From DDA to DIA ETD
11:35-11:50	**Wei Qin** *Tsinghua University, China* Title: Spatiotemporally Resolved Proteomics Enabled by in Vivo-Compatible Proximity Labeling Methods
11:50-12:00	**Hartmut Schlüter** *University of Hamburg, Germany* Title: Tissue Sampling & Homogenization with Nanosecond- & Picosecond Infrared Laser Systems for Improved Proteomics
12:00-12:10	**Weidi Xiao** *Peking University Chengdu Institute, China* Title: An Automated Proteomic Platform for Extracellular Vesicles: Development and Clinical Applications

Session 2: **Native Mass Spectrometry and Structural Biology**

Oct 13, 2025 10:10-12:15 (Shenzhen Hall)

Organizers: **Guanbo Wang, Hongying Zhong, Wenqing Shui, Qun Zhao**
Co-Chairs: **Fan Liu, Hongying Zhong, Richard Simpson**

Time	Speaker and Title
10:10-10:30	**Fan Liu** *Leibniz Institute for Molecular Pharmacology, Germany* Title: Building 3D Cellular Architecture by Cross-Linking Mass Spectrometry
10:30-10:50	**Leonard Foster** *University of British Columbia, Canada* Title: Single-Cell Lipidomics and Proteomics of the Same Cells to Understand Astrocyte Biology
10:50-11:05	**Fangjun Wang** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China* Title: Ultraviolet Photodissociation Mass Spectrometry Captures the In-Solution Functional Conformation Dynamics of Proteins
11:05-11:20	**Wenqing Shui** *ShanghaiTech University, China* Title: Conformational Dynamics of GPCR Signaling Complexes Revealed by Structural MS
11:20-11:35	**Xiaoyun Liu** *Peking University, China* Title: Bacterial Strategies to Evade Septin-Mediated Cell-Autonomous Immunity
11:35-11:50	**Gongyu Li** *Nankai University, China* Title: Chemical Measurement and Molecular Intervention of Disease-Associated Protein Aggregation
11:50-12:05	**Guanbo Wang** *Peking University, China* Title: Resolving Structural Heterogeneity of Natural Proteins from Biological Samples Using Single-ion Super-Resolution Mass Spectrometry
12:05-12:15	**Jiayue Sun** *Kyoto University, Japan* Title: Oxidation-Induced Structural Destabilization of βB2-Crystallin: Mechanistic Insights into Trp59/Trp151-Dependent Oligomerization and Cataract Pathogenesis

Session 3: **Single Cell Proteomics**

Oct 13, 2025 10:10-12:20 (Shantou Hall)

Organizers: **Qun Fang, Zilu Ye**
Co-Chairs: **Max Ching Ming Chung, Xianting Ding, Zilu Ye**

Time	Speaker and Title
10:10-10:30	**Lihua Zhang** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China* Title: Multi-Omics Analysis for Single Cells
10:30-10:50	**Xianting Ding** *Shanghai Jiao Tong University, China* Title: Single-Cell Spatial Temporal Proteomics and Clinical Applications
10:50-11:10	**Weijie Qin** *National Center for Protein Sciences (Beijing), China* Title: New Technologies for Spatial, Cellular, and Subcellular Resolution Proteomics Research
11:10-11:25	**Xuejiang Guo** *Nanjing Medical University, China* Title: Single-cell Proteomics Reveals Complex Translational Regulation during Gametogenesis
11:25-11:40	**Fan Yang** *Tencent Life Sciences Laboratory, China* Title: Enhancing Proteomics Data Analysis with AI
11:40-11:55	**Chen Li** *Shanghai Jiao Tong University, China* Title: Comparative Proteomic Landscapes Elucidate Human Preimplantation Development and Failure
11:55-12:10	**Yun Yang** *International Academy of Phronesis Medicine (Guang Dong), China* Title: Towards High-Throughput and High-Sensitivity MS-Based Single-Cell Proteomics
12:10-12:20	**Mo Hu** *Changping Laboratory, China* Title: Asymmetric Protein Abundance among Blastomeres of Pre-Implantation Mouse Embryos Revealed by Single-Cell Proteomics

Session 4: **Understudied Proteomics and Peptidomics**

Oct 13, 2025 10:10-12:10 (Maoming Hall)

Organizers: **Tieliu Shi, Yaoyang Zhang, Chenxi Jia, Wenguang Shao, Qian Zhao**
Co-Chairs: **Chenxi Jia, Christopher Overall, Qian Zhao, Yaoyang Zhang**

Time	Speaker and Title
10:10-10:30	**Anthony Purcell** *Monash University, Australia* Title: The Plasma Immunopeptidome - Insights into Tumour Antigen Evolution and Treatment Response
10:30-10:50	**Christopher M Overall** *University of British Columbia, Canada* Title: There is No Dark Side of the Proteome... As a Matter of Fact, It's All Dark
10:50-11:05	**Aifu Lin** *Zhejiang University, China* Title: Micropeptides Derived from ncRNA: Unveiling a Hidden Functional Proteome in Tumor Biology
11:05-11:20	**Cuihong Wan** *Central China Normal University, China* Title: Landscape of Novel smORFs and Their Encoded-Peptides Predicted from Crop Genomes
11:20-11:35	**Gong Zhang** *Jinan University, China* Title: Structural and Functional Insights of Human Understudied Proteome
11:35-11:50	**Jing Li** *Shanghai Jiao Tong University, China* Title: Integrated Proteogenomics Uncovers Human Microproteins in Gastric Cancer
11:50-12:00	**Honggang Huang** *COFCO Nutrition and Health Research Institute, China* Title: Development and Application of Multi-Omics (Peptidomics + Lipidomics) Strategies for Adulteration Detection in Peanut Oil Authentication Study
12:00-12:10	**Baozhen Shan** *Bioinformatics Solutions Inc, Canada* Title: An AI-Driven *De Novo*-Based Multi-Omics Platform for Discovering Cancer-Specific Non-Canonical HLA-I Peptides

Session 5: **Artificial Intelligence and Education**

Oct 13, 2025 10:10-12:00 (Jieyang Hall)

Organizers: **Li Ma, Chunhui Zhang, Yue Hua, Cheng Chang**
Co-Chairs: **Cheng Chang, Chunhui Zhang, Shaohui Huang**

Time	Speaker and Title
10:10-10:25	**Hua Sun** *Peking University, China* Title: Reshaping Higher Education and Promoting Teacher Development in the Digital and Intelligent Era
10:25-10:40	**Lei Chen** *Hong Kong University of Science and Technology (Guangzhou), China* Title: The New Era of Artificial Intelligence: The Innovation of Large Models and Opportunities for Future Education
10:40-10:55	**Jing Tian** *Zhujiang Hospital, Southern Medical University, China* Title: Artificial Intelligence–Empowered Clinical Skills Education and Evaluation
10:55-11:10	**Xuming Ji** *Zhejiang Chinese Medical University, China* Title: The Practice and Collaborative Application of Traditional Chinese Medicine Mentorship Platforms and AI - based Courses
11:10-11:25	**Chunhui Zhang** *Southern Medical University, China* Title: Exploring the Practice of Building Subject Models Based on Generative AI and Sharing Teaching Wisdom
11:25-11:40	**Xiaoyong Hu** *South China Normal University, China* Title: Integrating Artificial Intelligence into Higher Education: Cultivating New - Type Teachers and Innovating Talent - Training Models
11:40-12:00	**Arunima Singh** *Nature Methods, USA* Title: Publishing in Nature Methods and Pursuing an Editorial Career

Session 6: **Proteomics-Driven Precision Medicine (A)**

Oct 13, 2025 10:10-12:10 (Meizhou Hall)

Organizers: **Yongzhan Nie, Ying Jiang, Hong Wang**
Co-Chairs: **Ed Nice, Hong Wang, Jie Li**

Time	Speaker and Title
10:10-10:30	**Kyunggon Kim** *Asan Institute for Life Sciences, South Korea* Title: Application of Spatial Proteomics for Discovery of Biomarker and Drug Target
10:30-10:50	**Phillip Robinson** *The University of Sydney, Australia* Title: ProCan® - Adding Proteomics to Genomics for Precision Oncology
10:50-11:10	**Bing Zhang** *Baylor College of Medicine, USA* Title: Decoding PTM Patterns to Gain Functional Insights into Pathogenic Missense Variants
11:10-11:25	**Min-Sik Kim** *Daegu Gyeongbuk Institute of Science and Technology, South Korea* Title: Multi-Omics Analysis of Autism Spectrum Disorders
11:25-11:40	**Christoph W. Turck** *Kunming Institute of Zoology, Chinese Academy of Sciences, China* Title: Molecular Pathway Illumination for Psychiatric Disorders - from Animal Models via Omics to Biosignatures
11:40-11:55	**Y. Eugene Chin** *Zhejiang Provincial People's Hospital, China* Title: Lysine Post-translational Modifications in Diversity
11:55-12:10	**Ruibing Chen** *Tianjin University, China* Title: Harnessing Proteome Thermostability to Characterize dsRNA Binding Proteins

Session 7: **Chemoproteomics and Drug Discovery**

Oct 13, 2025 14:00-16:15 (Lingnan Convention Hall)

Organizers: **Mingliang Ye, Kai Zhang, Hui Ye**
Co-Chairs: **Ben Collins, Hui Ye, Kai Zhang**

Time	Speaker and Title
14:00-14:20	**Bernd Wollscheid** *ETH Zurich, Switzerland* Title: Precision Medicine, Drug (target) Discovery and Creating Novel Cancer Medicines
14:20-14:40	**Ben Collins** *Queen' s University Belfast, UK* Title: Scaling Up Proteomics Tools for Targeted Protein Degrader Development
14:40-14:55	**Chu Wang** *Peking University, China* Title: Real-Time Isotopic Signature Targeted Profiling
14:55-15:10	**Kai Zhang** *Tianjin Medical University, China* Title: ACSS2 Coupled with KAT7 Regulates Histone β-Hydroxybutyrylation to Enhance Transcription
15:10-15:25	**He Huang** *Shanghai Institute of Materia Medica, Chinese Academy of Sciences, China* Title: Identification and Pathological Function Study of Lactyl-CoA Synthetase
15:25-15:40	**Gang Li** *Institute of Chemical Biology, Shenzhen Bay Laboratory, China* Title: Scaling Covalent Ligand Discovery via Library-versus-Proteome Screening
15:40-15:55	**Hui Ye** *China Pharmaceutical University, China* Title: TRAP: A Universal Chemoproteomic Strategy for Mapping Ligand-Target Interactions
15:55-16:05	**Haiteng Deng** *Tsinghua University, China* Title: Identification of Aging Biomarkers and Development of Anti-Aging Interventions
16:05-16:15	**Nan Chen** *ChomiX Biotech Co., Ltd, China* Title: Chemoproteomic Discovery and Preclinical Development of FAP-Targeted Radiopharmaceuticals via a Novel Covalent Small-Molecule Ligand

Session 8: **Proteomics of Model System**

Oct 13, 2025 14:00-16:00 (Shenzhen Hall)

Organizers: **Ren Lai, Lingqiang Zhang, Feng Ge, Xiaowen Wang**
Co-Chairs: **Giuseppe Palmisano, Ren Lai**

Time	Speaker and Title
14:00-14:20	**Ren Lai** *Kunming Institute of Zoology, Chinese Academy of Sciences, China* Title: Venomics of Animal Venoms and Their Applications for Drug Development
14:20-14:40	**Dong Yang** *National Center for Protein Sciences (Beijing), China* Title: Multi-Omics Analysis Demonstrates the Pivotal Role of Tardigrade-Specific Genes in Developing Extremotolerant Capability
14:40-15:00	**Xiaozhe Zhang** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China* Title: Structural Characterization, Target Discovery, and Rational Modification of the Neuroprotective Peptide Bidentatide
15:00-15:15	**Mingqiang Rong** *Hunan Normal University, China* Title: Deep Mining of Bioactive Peptides from Spider Venom via Multi-Omics Approaches
15:15-15:30	**Shilong Yang** *Northeast Forestry University, China* Title: Thermal Switch Mechanisms of Temperature-dependent Sex Determination in Turtles
15:30-15:45	**Wenliang Zhou** *Southern Marine Science and Engineering Guangdong Laboratory, China* Title: Integrative Multi-Omics Approaches Facilitate the Evolutionary Research of Venom in Scorpaeniformes
15:45-16:00	**Zhijian Cao** *Hubei University of Technology, China* Title: Molecular Mechanism and Evolution of the Itch Induced by Fungal Defensins

Session 9: **Spatial Proteomics**

Oct 13, 2025 14:00-16:10 (Shantou Hall)

Organizers: **Ruijun Tian, Fangqing Zhao, Guixue Hou, Yaoting Sun**
Co-Chairs: **Phillip Robinson, Ruijun Tian, Yaoting Sun**

Time	Speaker and Title
14:00-14:20	**Angus C Grey** *University of Auckland, New Zealand* Title: Comparative Proteomics and Spatial Metabolomics of Ocular Lens Glucose Transport: Implications for Tissue Transparency and Diabetic Cataract
14:20-14:40	**Zexian Liu** *Sun Yat-sen University Cancer Center, China* Title: Spatial Architecture of the Immune-Tumor Battlefield Determines Therapeutic Response and Prognosis in Nasopharyngeal Carcinoma
14:40-14:55	**Minrui Liang** *Huashan Hospital, Fudan University, China* Title: Big Data to Small Target: Spatial Multi-Omics in Autoimmune Disease
14:55-15:10	**Changying Fu** *Southern University of Science and Technology, China* Title: Deciphering Ectodomain Shedding of Membrane Proteins in Pancreatic Cancer: Mechanisms and Functional Implications
15:10-15:25	**Chuanyu Liu** *BGI Research, China* Title: Stereo-cell: Spatial Enhanced-Resolution Single-Cell Sequencing
15:25-15:40	**Jinyang Qian** *Zhejiang University, China* Title: Identification and Characterization of Cell Niches in Tissue from Spatial Omics Data at Single-cell Resolution
15:40-15:50	**Lin Zhu** *Hong Kong Baptist University, Hong Kong, China* Title: Integrative Spatially Resolved Proteomic and Metabolomic Imaging Reveals Synovitis Endotypes Implicated in Osteoarthritis Progression
15:50-16:00	**Andreas Metousis** *Max Planck Institute of Biochemistry, Germany* Title: Deep Visual Proteomics Reveals Early Drivers of Ovarian Cancer Development
16:00-16:10	**Jingfang Bian** *Hong Kong Polytechnic University, Hong Kong, China* Title: Development of a Laser Capture Microdissection-Guided Spatial Proteomics Platform for Layer-Resolved Retinal Proteome in Ocular Study

Session 10: **Modernization of Traditional Chinese medicine**

Oct 13, 2025 14:00-15:40 (Maoming Hall)

Organizers: **Qingfeng Du, Chunhui Deng, Xiaomin Sun, Xuefeng Xing**

Co-Chairs: **Songqi He, Junshan Liu, Xiaomin Sun, Lei Gao, Shenhai Gong**

Time	Speaker and Title
14:00-14:20	**Zhihong Jiang** *Macau University of Science and Technology, China* Title: Glycomic Analysis of Glycoproteins in Traditional Chinese Medicine
14:20-14:40	**Xiaohe Xiao** *Chinese PLA General Hospital, China* Title: Multi-Omics-Supported Strategies and Methods for Evaluating the Safety and Efficacy of Traditional Chinese Medicine
14:40-15:00	**Zhongqiu Liu** *Guangzhou University of Chinese Medicine, China* Title: Development and Practice in the Integrated Methodologies for the Effectiveness of Chinese Herbs and Their Combined Formulae
15:00-15:20	**Jinghua Yang** *The First Affiliated Hospital of Zhengzhou University, China* Title: Disease-Associated Protein Variants and Their Applications
15:20-15:40	**Jigang Wang** *Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences, China* Title: Chemical Biology Studies on Targets and Mechanisms of Traditional Chinese Medicine

Session 11: **Computational and AI Proteomics (A)**

Oct 13, 2025 14:00-16:00 (Jieyang Hall)

Organizers: **Lu Xie, Hao Chi, Wenfeng Zeng, Han Wen**
Co-Chairs: **Henning Hermjakob, Lu Xie, Wenfeng Zeng**

Time	Speaker and Title
14:00-14:20	**Henning Hermjakob** *European Bioinformatics Institute, UK* Title: Reactome 4: Pathways Reimagined – Dynamic Visualisation and Intelligent Chat
14:20-14:40	**Juan Antonio Vizcaino** *European Bioinformatics Institute, UK* Title: The PTMeXchange Project: Making PTM-Data FAIR and AI-Ready
14:40-15:00	**Robert Winkler** *National Laboratory for Genomics of Biodiversity, Mexico* Title: Public Money, Public Code, and Public Data in Proteomics
15:00-15:15	**Zilu Ye** *Institute of Systems Medicine, Chinese Academy of Medical Sciences, China* Title: Single-Cell Proteomics Meets AI: Opportunities and Challenges
15:15-15:30	**Peijie Zhou** *Peking University, China* Title: Towards AI Virtual Cell Through Dynamical Generative Modeling of Single-cell Omics Data
15:30-15:40	**Hao Chi** *Institute of Computing Technology, Chinese Academy of Sciences, China* Title: Advancing Computational Proteomics: Large-scale Scoring Models and the pFind Platform
15:40-15:50	**Hong Li** *Shanghai Institute of Nutrition and Health, Chinese Academy of Sciences, China* Title: Computational Methods for Spatial Proteomics
15:50-16:00	**Menghuan Zhang** *Tongji University, China* Title: Biologically Structured Deep Learning for Context-Specific Inference of Kinase-Substrate Networks

Session 12: **Proteomics Beyond Mass Spectrometry**

Oct 14, 2025 10:10-12:10 (Lingnan Convention Hall)

Organizers: **Shengce Tao, Xiaobo Yu, Hewei Jiang**
Chairs: **Limsoon Wong, Shengce Tao, Xiaobo Yu**

Time	Speaker and Title
10:10-10:30	**Chiensheng Chen** *National Cheng Kung University, Chinese Taipei* Title: A Next-Generation Proteome Microarray: Wafer-Based Mechanistic Proteomics
10:30-10:50	**Limsoon Wong** *National University of Singapore, Singapore* Title: Proteomics Beyond Cataloguing
10:50-11:10	**Zhengming Chen** *University of Oxford, UK* Title: Harnessing the Power of Proteogenomics in Population Biobanks to Advance Precision Health
11:10-11:30	**Shuangjia Zheng** *Lingang Laboratory, China* Title: Drugging Undruggable Targets with Generative Models
11:30-11:45	**Shengce Tao** *Shanghai Jiao Tong University, China* Title: Antibody Reactome: From Protein Microarray to PhIP-seq
11:45-12:00	**Xiaobo Yu** *National Center for Protein Sciences (Beijing), China* Title: Advances in Non-mass spectrometry Proteomics Technology
12:00-12:10	**Zheng Ser** *A*STAR Institute of Molecular and Cell Biology (A*STAR IMCB), Singapore* Title: Structural Proteomics and Modelling Identifies Key Interacting Residue and Compact Conformation of Dengue NS2B-NS3 Complex

Session 13: **Computational and AI Proteomics (B)**

Oct 14, 2025 10:10-12:10 (Shenzhen Hall)

Organizers: **Lu Xie, Hao Chi, Wenfeng Zeng, Han Wen**

Co-Chairs: **Yasset Perez-Riverol, Hao Chi, Han Wen**

Time	Speaker and Title
10:10-10:30	**Wilson Wen Bin Goh** *Nanyang Technological University, Singapore* Title: Harnessing AI-Driven Proteome Analytics to Transform Mental Health Management: A Singapore Perspective
10:30-10:50	**Yasset Perez-Riverol** *European Bioinformatics Institute, UK* Title: Quantms: A Hub for high-quality proteomics data to power AI development
10:50-11:10	**Shin Kawano** *Kitasato University, Japan* Title: jPOST and JPDM: Attempts to Collect Metadata
11:10-11:25	**Mingliang Ye** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China* Title: Glyco-Decipher and PELSA-Decipher Facilitate Proteome-Wide Identification of Site-Specific Glycoforms and Ligand-Target Proteins
11:25-11:40	**Cheng Chang** *National Center for Protein Sciences (Beijing) , China* Title: A Foundation Model for Decoding Dark Proteome through Self-Supervised Learning
11:40-11:50	**Wenfeng Zeng** *Westlake University, China* Title: FennOmix-MHC: A Foundation Model for Peptide–HLA Representation Learning and Shared Epitope Discovery
11:50-12:00	**Jianhui Liu** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China* Title: Microbial Resource Mining Based on Computational Proteomics
12:00-12:10	**Yongge Li** *AI For Science Institute, Beijing, China* Title: Dynamical Foundation Models for Biology: A Neural ODE Case Study on Proteomics

Session 14: **Advances in Agricultural Proteomics**

Oct 14, 2025 10:10-12:10 (Shantou Hall)

Organizers: **Pingfang Yang, Xuchu Wang, Yingchun Wang, Xuna Wu**
Co-Chairs: **Setsuko Komatsu, Shaojun Dai**

Time	Speaker and Title
10:10-10:30	**Setsuko Komatsu** *Fukui University of Technology, Japan* Title: The Growth of Soybean under Salt Stress Is Modulated in Simulated Microgravity Conditions
10:30-10:50	**Sixue Chen** *University of Mississippi, USA* Title: Unraveling the Molecular Choreography of C3 to CAM Transition in Common Ice Plant Using Multi-Omics
10:50-11:10	**Wolfram Weckwerth** *University of Vienna, Austria* Title: From Pangenomics to Panomics–AI-Assisted Causal Modelling of the GxE Equation
11:10-11:20	**Kun Wang** *Wuhan University, China* Title: Decoding Plant Translational Regulation with eRibo-Seq: From Initiation Site Switching to Conserved Operon-Like Modules
11:20-11:30	**Xiaojian Yin** *Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, China* Title: Identification of Key Proteins and Elucidation of Their Regulatory Mechanisms in Tanshinone and Terpenoid Biosynthesis
11:30-11:40	**Feng Ge** *Institute of Hydrobiology, Chinese Academy of Sciences, China* Title: Lysine Acetylation and Its Regulatory Enzymes in Cyanobacteria
11:40-11:50	**Yanmei Chen** *China Agricultural University, China* Title: Functional Proteomics Reveals Protein Kinase Networks Orchestrating Maize Abiotic Stress Responses
11:50-12:00	**Kaiguang Yang** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China* Title: In Vivo Profiling of Light-Dependent Protein Interactions and Conformational Changes in Spinach by Cross-linker Delivery Coupled with Mass spectrometry
12:00-12:10	**Guochen Qin** *Peking University, China* Title: The Proteomic Landscape and Homeolog Expression Patterns in Polyploid Wheat

Session 15: Body Fluid Proteomics

Oct 14, 2025 10:10-12:15 (Maoming Hall)

Organizers: **Youhe Gao, Tong Wang, Xuejiang Guo, Yueshuai Guo**
Co-Chairs: **Robert Winkler, Tong Wang, Xuejiang Guo**

Time	Speaker and Title
10:10-10:25	**Youhe Gao** *Beijing Normal University, China* Title: Recent Progress on Urine Biomarkers
10:25-10:45	**Chen Ding** *Fudan University, China* Title: Proteomics-Centered Multi-Omics Study of Tumors
10:45-11:05	**Bo Situ** *Nanfang Hospital, Southern Medical University, China* Title: Circulating Bacterial Extracellular Vesicles: Detection and Clinical Applications
11:05-11:20	**Wei Sun** *Institute of Basic Medical Sciences, Chinese Academy of Medical Sciences, China* Title: China Urine Multi-Omic Analysis
11:20-11:35	**Lili Niu** *Institute of Chemical Biology, Shenzhen Bay Laboratory, China* Title: Integrative Plasma Proteomics and Genomics for Biomarker and Drug Target Identification
11:35-11:50	**Shuxuan Tang** *Beijing Ditan Hospital, Capital Medical University, China* Title: Urinary Proteome Profiling: A Study to Reveal Pregnant Process and Predict Early Drug Efficacy
11:50-12:05	**Wei Sun** *Beijing Qinglian Biotech Co., Ltd, China* Title: Comprehensive Solution for Mass Spectrometry-based High-throughput Deep Plasma Proteomics Using Nano-Magnetic Beads
12:05-12:15	**Jihong Tang** *Hong Kong University of Science and Technology, Hong Kong, China* Title: Proteomic Classification and Clonal Evolution of IDH-Mutant Astrocytoma through Pan-omics Integration

Session 16: **Proteomics-Driven Precision Laboratory Medicine**

Oct 14, 2025 10:10-12:15 (Jieyang Hall)

Organizers: **Li Ma, Lei Zheng, Bin Xiao, Jie Zhan**
Co-Chairs: **Xianzhang Huang, Bin Xiao, Jie Zhan**

Time	Speaker and Title
10:10-10:30	**Yizhou Jiang** *Fudan University Shanghai Cancer Center, China* Title: Molecular Subtyping and Precision Treatment of Triple-Negative Breast Cancer
10:30-10:50	**Lei Zheng** *Nanfang Hospital, Southern Medical University, China* Title: Research Methods and Diagnostic and Therapeutic Value of Extracellular Vesicles
10:50-11:10	**Youhe Gao** *Beijing Normal University, China* Title: The Foundation of Precision Medicine and Personalized Medicine, Is Based on Omics Data of Urine
11:10-11:30	**Lin Bai** *Shanghai General Hospital, Shanghai Jiao Tong University, China* Title: Tumor Marker Discovery and Diagnostic Applications Based on Pan-Cancer Plasma Proteomic Profiling
11:30-11:50	**Bing Gu** *Guangdong Provincial People's Hospital, China* Title: Interdisciplinary Collaboration Promotes the Development of Precision Laboratory Medicine
11:50-12:05	**Wenbo Cheng** *Suzhou Institute of Biomedical Engineering and Technology, Chinese Academy of Sciences, China* Title: Developing Domestic Wide Mass Range TQ-MS for Clinical Proteomics
12:05-12:15	**Arka Ray** *Indian Institute of Technology Bombay, Powai, Mumbai, India* Title: Pan-Respiratory Virus Protein Microarray Reveals Diminished IgG Responses to Non-SARS-CoV-2 Viruses Post-Pandemic

Session 17: **Post-translational Modifications**

Oct 14, 2025 10:10-12:25 (Meizhou Hall)

Organizers: **Jinghua Yang , Yan Zhang, Zhixin Tian, Jialin Liu**
Co-Chairs: **Hui Zhang, Jialin Liu, Zhongyi Cheng**

Time	Speaker and Title
10:10-10:30	**Giuseppe Palmisano** *University of São Paulo, Brazil* Title: Comprehensive Characterization of Protein Glycosylation in Host-Pathogen Interaction
10:30-10:45	**Zhixin Tian** *Tongji University, China* Title: Structural N-glycoproteomics and Applications
10:45-11:00	**Huali Shen** *Fudan University, China* Title: N-glycosylation in Alzheimer's Disease: Panoramic Characterization and Mechanistic Exploration through Ultra-Deep Glycoproteomics
11:00-11:15	**Zhongyi Cheng** *Jingjie Bio, China* Title: Innovative Proteomics Research in Precision Oncology
11:15-11:30	**Xia Zou** *Shanghai Jiao Tong University, China* Title: Comprehensive Characterization of the O-GalNAc Glycoproteome in Complex Biological Tissues
11:30-11:45	**Yue Zhai** *National Translational Center for Molecular Medicine, Air Force Medical University, China* Title: The Pan-Modifications: Identify Metabolically Responsive PTM Neoantigens and Their Autoimmune Response Mechanisms
11:45-12:00	**Shisheng Sun** *Northwest University, China* Title: High-Resolution Glycoproteomics for Structural and Functional Interpretation of Site-specific Glycans
12:00-12:15	**Yixuan Xie** *Fudan GBA Institute for Precision Medicine, China* Title: Integrating Metabolic Glycan Phenotype Manipulation with Affinity Purification for a Systematic Exploration of Glycoprotein Interaction Networks
12:15-12:25	**Jinjun Gao** *Peking University Shenzhen Graduate School, China* Title:Advancing Proteomics Strategies for Investigating Protein Post-translational Modifications

Session 18: **Cross-species proteomics**

Oct 14, 2025 14:00-16:00 (Lingnan Convention Hall)

Organizers: **Weiqi Zhang, Jing Yang, Jing Chen, Jing Lu**

Co-Chairs: **Weiqi Zhang, Pingfang Yang**

Time	Speaker and Title
14:00-14:20	**Ping Zheng** *Kunming Institute of Zoology, Chinese Academy of Sciences, China* Title: Naïve Pluripotency and Genomic Stability are Coordinated in Mouse Embryonic Stem Cells by a Novel Pluripotency Regulator Zfp998
14:20-14:40	**Xiangjiang Zhan** *Institute of Zoology, Chinese Academy of Sciences, China* Title: Qinghai-Tibet Plateau Adaptation of a Top Predator-Saker Falcons
14:40-15:00	**Hongjie Yao** *Guangzhou Laboratory, China* Title: Capturing R-loops at Base-Pair Resolution Reveals Clustered R-Loops Activating Gene Expression and YMCAG-Contained R-Loops Inducing DNA Damage
15:00-15:20	**Guoji Guo** *Zhejiang University, China* Title: Mapping and Modeling Cell Landscapes at Single-Cell Level
15:20-15:40	**Lili Zhou** *Nanfang Hospital, Southern Medical University, China* Title: Proteomics and Metabolomics: Discovering the Eye of Storm in Kidney Diseases
15:40-16:00	**Weiqi Zhang** *China National Center for Bioinformation and Beijing Institute of Genomics, Chinese Academy of Sciences, China* Title: Deciphering Aging Mechanisms and Developing Interventions Based on Aging Clocks

Session 19: Proteomics of the Microbes

Oct 14, 2025 14:00-15:55 (Shenzhen Hall)

Organizers: **Hengliang Wang, Qingwei Ma, Xiaoyun Liu, Leyuan Li**
Co-Chairs: **Hengliang Wang, Paola Roncada, Qingwei Ma, Xiaoyun Liu**

Time	Speaker and Title
14:00-14:20	**Paola Roncada** *University "Magna Græcia" of Catanzaro, Italy* Title: The study of Microbiome in the Era of Global Health
14:20-14:40	**Tim Van Den Bossche** *Ghent University, Belgium* Title: Improving Metaproteomics Data Analysis with the Ghent Metaproteomics Toolbox
14:40-15:00	**Liang Qiao** *Fudan University, China* Title: DIA Metaproteomics in Microbiome Research
15:00-15:20	**Kai Cheng** *Quadram Institute, UK* Title: MetaPilot: A One-Stop Platform for Comprehensive Metaproteomics Data Analysis
15:20-15:35	**Yao Zhang** *National Center for Protein Sciences (Beijing), China* Title: Precision Proteogenomics Unmasks Mycobacterium Tuberculosis Species-Specific Dark Proteins and Novel Causal Diagnostic Biomarkers
15:35-15:45	**Yingying Sun** *Westlake University, China* Title: Population-Based Metaproteomics Reveals Functional Associations between Gut Microbiota and Phenotypes
15:45-15:55	**Luman Wang** *Peking University, China* Title: A Practical Guide to Experimental Design and Power Analysis for Metaproteomics Studies

Session 20: **Proteomics Marries other Omics**

Oct 14, 2025 14:00-15:50 (Shantou Hall)

Organizers: **Canhua Huang, Hu Zhou, Xinpei Yi**
Co-Chairs: **Anthony Purcell, Hongxiu Yu, Ling Lin**

Time	Speaker and Title
14:00-14:20	**Fernando Corrales** *National Center for Biotechnology, Spain* Title: Proteomics Study of Progressive Familial Intrahepatic Cholestasis 3 (PFIC3)
14:20-14:35	**Zeping Hu** *Tsinghua University, China* Title: Deciphering Disease-Specific Metabolic Reprogramming through Innovative Metabolomics and Multi-Omics
14:35-14:50	**Rui Liu** *Sichuan University, China* Title: Metabolic Enzymes Function as Cellular Sensors for Radiation-Induced Damages
14:50-15:05	**Hongxiu Yu** *Fudan University, China* Title: SIRT7 Regulates T-cell Antitumor Immunity through Modulation BCAA and Fatty Acid Metabolism
15:05-15:20	**Yang Wang** *Jinan University, China* Title: Acetylation of Cyclin Dependent Kinases in Cancer
15:20-15:35	**Ling Lin** *Zhongshan Hospital, Fudan University, China* Title: Multi-Omics Profiling Reveals Mitochondrial Metabolic Remodeling in Foam Cell Formation
15:35-15:50	**Yang Zhao** *National Institute of Metrology, China* Title: Proteomics Data Quality Control and Deep Analysis for Precision Oncology

Session 21: Proteomics-Driven Precision Medicine (B)

Oct 14, 2025 14:00-16:10 (Maoming Hall)

Organizers: **Yongzhan Nie, Ying Jiang, Hong Wang**
Co-Chairs: **Hong Wang, Mark Baker**

Time	Speaker and Title
14:00-14:20	**Chantragan Srisomsap Phiphobmongkol** *Chulabhorn Research Institute, Thailand* Title: Proteomics-Driven Insights into Cancer Biomarkers Discovery
14:20-14:40	**Terence Poon** *University of Macau, China* Title: Data Quality Challenges in Precision Medicine
14:40-15:00	**Teck Yew Low** *Sunway University, Malaysia* Title: Unveiling the Distinct Microproteome Across Cancer Progression
15:00-15:20	**Mark Molloy** *The University of Sydney, Australia* Title: Proteomics of Colorectal Liver Metastases
15:20-15:35	**Shuncheng Li** *Western University, Canada* Title: Ultra-Deep Phosphoproteomics and Kinomics- Applications in Cancer Research and Precision Medicine
15:35-15:50	**Jinghua Yang** *The First Affiliated Hospital of Zhengzhou University, China* Title: Proteoformics by Pan-modifications & Human Diseases
15:50-16:00	**Xiaohui Liu** *SJTU Technical Center of Clinic-Omics, China* Title: A Multidimensional Proteomic Analysis of Brain Metastases (BrMs) and Gliomas
16:00-16:10	**Daryl Chin** *A*STAR Institute of Molecular and Cell Biology (A*STAR IMCB), Singapore* Title: Cell-Surface Proteomics Reveals a Novel Candidate Immunotherapeutic Target in Microsatellite-Stable Colorectal Cancer

Session 22: **Proteome Dynamics**

Oct 14, 2025 14:00-16:15 (Jieyang Hall)

Organizers: **Lihua Zhang, Zhen Liu, Lunzhi Dai**
Co-Chairs: **Lihua Zhang, Pouya Faridi, Yansheng Liu**

Time	Speaker and Title
14:00-14:20	**Wei Wu** *Agency for Science, Technology and Research, Singapore* Title: Going Beyond Personal in the Quest for Neoantigens
14:20-14:40	**Pouya Faridi** *Monash University, Australia* Title: The Trans Effect of Driver Mutations on the Tumour Antigenic Landscape
14:40-15:00	**Yansheng Liu** *Yale School of Medicine, USA* Title: Proteome and Phosphoproteome Turnover Atlas: From In Vitro to In Vivo
15:00-15:20	**Nguan Soon Tan** *Nanyang Technological University, Singapore* Title: A Multi Organomics Map Reveals Complementary Metabolic Rewiring by GLP 1 and Dietary Reversion Using the MASLD Mouse Model
15:20-15:35	**Zhen Liu** *Nanjing University, China* Title: Cracking the Glyco-Code
15:35-15:50	**Qun Zhao** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China* Title: Large-Scale Mapping of Dynamic Protein Complexes in Cells by in Vivo Crosslinking Mass Spectrometry
15:50-16:05	**Lunzhi Dai** *Sichuan University, China* Title: Internal Standard–Assisted Profiling of Protein Modifications in Low-Input Samples
16:05-16:15	**Miaohsia Lin** *National Taiwan University, Chinese Taipei* Title: Layer-Resolved Proteomic Profiling of the Cornea After Trigeminal Denervation

Industry Seminars

Bioinformatics Solutions Inc. (BSI)

Oct 13, 2025 12:30-13:30 (Lingnan Convention Hall)

Speaker: ***Anthony Purcell****, Professor, Monash University*
Title: Advances in DIA and its Applications in Immunopeptidomics

Speaker: ***Hui Ye****, Professor, China Pharmaceutical University*
Title: Chemoproteomics-Empowered Target Discovery

Speaker: ***Chenxi Jia****, Professor, National Center for Protein Sciences (Beijing)*
Title: PEAKS Studio Enables an In-Depth Analysis of the Neurochemical Signaling

Syncell Inc.

Oct 13, 2025 12:30-13:30 (Maoming Hall)

Speaker: ***Jung-Chi Liao****, PhD, Founder & CEO*
Title: Optoproteomics: Unbiased Spatial Proteomics at Disease-Associated Sites

Thermo Fisher Scientific

Oct 13, 2025 12:30-13:30 (Meizhou Hall)

Topic: Bringing light to discovery

Speaker: ***Haiteng Deng****, Professor, Tsinghua University*
Title: Finding the Fountain of Youth by Mass Spectrometry

Speaker: ***Zilu Ye****, Principal Investigator, Institute of Systems Medicine, Chinese Academy of Medical Sciences*
Title: End-to-end High-Throughput Single-Cell Proteomics

Speaker: ***Yue Xuan****, Ph.D, MBA, Senior Global Product Marketing Manager, Chromatography and Mass Spectrometry, Thermo Fisher Scientific*
Title: Bringing Light to Discovery

Evosep

Oct 13, 2025 12:30-13:30 (Shenzhen Hall)

Topic: Next Generation LC-MS Based Proteomics – New Standards and Future Performance Requirements

Speaker: *Prof.* ***Matthias Mann***
Title: Missing - will Send You this Hopefully Tomorrow

Gene Company Limited & Covaris

Oct 13, 2025 12:30-13:30 (Shantou Hall)

Speaker: ***Hu Zhou, Deb Bhattacharyya, Jong Bae Park***
Title: Complexities Addressed - Better Sample Prep for Protein Analysis

Tecan

Oct 13, 2025 12:30-13:30 (Jieyang Hall)

Speaker: ***Xiaofang Zhang***, *TECAN product manager*
Title: Automated Solutions for Proteomics Sample Preparation and Case Studies

Bruker Corporation

Oct 13, 2025 12:30-13:30 (Yangcheng Hall）

Speaker: *Prof.* ***Hui Zhang***, *Johns Hopkins University*
Prof. ***Jinghua Yang***, *First Affiliated Hospital of Zhengzhou University*
Daniel Hornburg *Ph.D., Bruker*
Title: Bruker 4D-Proteomics with TIMS and PASEF: Go Deeper, Faster, and more Confidently —from Tissue to Single Cell, from Peptides to Proteoforms —Only on TimsTOF

Olink Proteomics

Oct 14, 2025 12:30-13:30 (Maoming Hall)

Topic: Advancing Proteomics Together - Synergistic tools with PEA and Mass Spectrometry

Speaker: *Prof.* ***Zhengming Chen***
Title: Pioneering the Future of Precision Medicine Driven by Biological Big Data

Speaker: ***Jun Fu***
Title: Comprehensive Proteomics: Olink × Astral Zoom DIA

Speaker: ***Jin Xiao***
Title: From Insight to Impact: Olink Proteomics in Biomarker Translation

Beijing Qinglian Biotech Co., Ltd.

Oct 14, 2025 12:30-13:30 (Meizhou Hall)

Topic: End-to-End Solution for Clinical Body Fluid Cohort Biomarker Research

Speaker: ***Yan Wang***, *Senior Product Manager*
Title: Innovative Technology and Applications of Automated Proteomics Prep Platforms

Speaker: ***Sisi Geng***, *Ph.D., Bioinformatics R&D Director*
Title: Advanced Proteomics Bioinformatic Solutions & Cloud Platform

SCIEX CHINA

Oct 14, 2025 12:30-13:30 (Jieyang Hall)

Topic: Expanding the Boundaries of Proteomics Analysis with Advanced Mass Spectrometry Technologies

Speaker: *Prof.* ***Liang Qiao***, *Fudan University*
Title: Deep Coverage N-glycoproteomics based on the ZenoTOF system

Speaker: *Dr.* ***Patrick A Pribil***, *SCIEX*
Title: Redefining Sensitivity in Accurate Mass Spectrometry with the SCIEX ZenoTOF 8600 System

Illumina

Oct 14, 2025 12:30-13:30 (Lingnan Convention Hall)

Speaker: ***Leming Shi***, *Professor and Director of International Human Phenome Institutes (Shanghai)*
Title: Reproducibility of Quantitative Multiomic Data: A Prerequisite for Precision Medicine

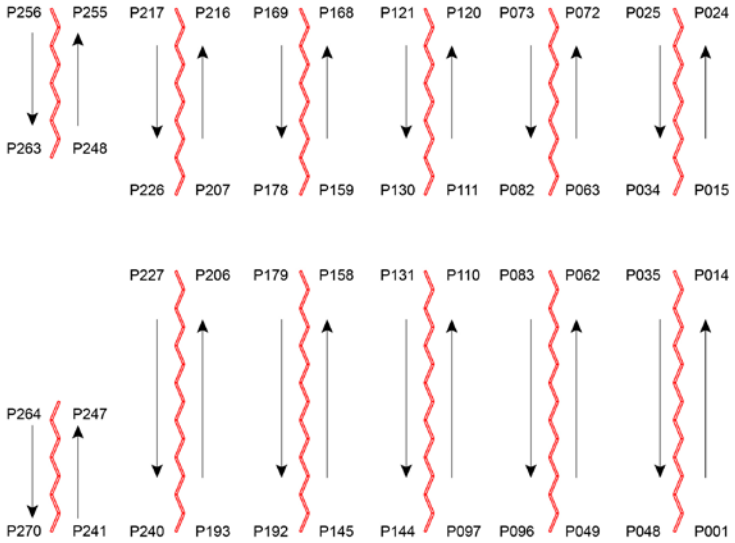
Speaker: ***Krishna Morampudi***, *Associate Director, Illumina*
Title: Illumina Protein Prep Solution: Launch the Next Era of Proteomics

Novogene Co., Ltd.

Oct 14, 2025 12:30-13:30 (Shenzhen Hall)

Speaker: Prof. ***Xia Shen***
Title: From Proteome to Complexome: Unveiling the Next Frontier in Proteogenomics

List of Posters



Number	Title	Author
P001	"All-in-one" Single-Cell Proteomic Analysis of Protein Alterations in Human Oocytes Undergoing In Vitro Aging	Shen Zhang
P002	A Comprehensive Landscape of the Human Body Fluid N-glycoproteome	Fei Cai
P003	A Functionally Tunable Magnetic Nanochains Platform for N-glycoproteomic Analysis of Extracellular Vesicles from Ultratrace Biofluids	Mingyang Li
P004	A High-Density Antibody Array Enables Proteome-Scale Profiling of Post-translational Modifications	Ying Luo
P005	A Machine Learning–Enabled Urinary Protein Signature for the Accurate Diagnosis of Preeclampsia: Discovery and Multi-Center Validation	Jiayi Shen
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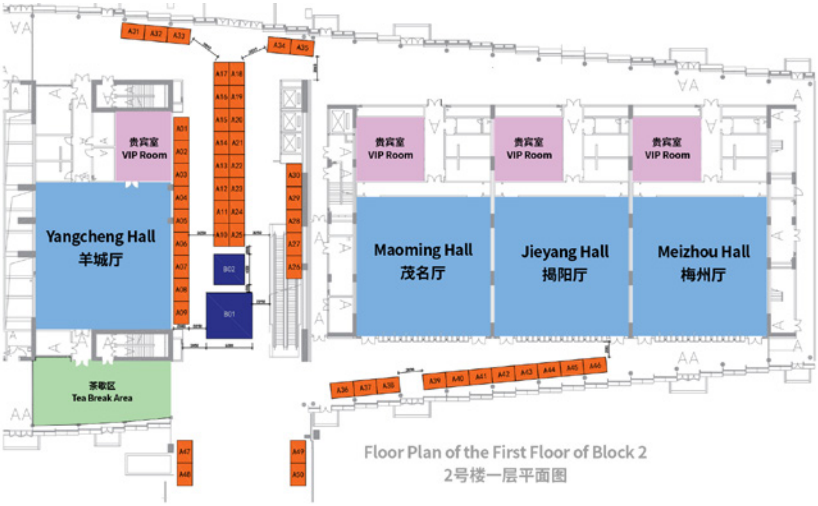
P243	Whole-Cell Proteome, and Phospho-proteome, Nascent Proteome, Ribosomal Proteome Reveal Cellular Dynamics and Adaptation During Heat Stress	Jiawei Dai
P244	XA-Novo: An Accurate and High-throughput Mass Spectrometry-based De Novo Sequencing Technology for Monoclonal Antibodies and Antibody Mixtures	Yueting Xiong
P245	π-HelixNovo2: Making Accurate Online De Novo Peptide Sequencing Available to All	Tingpeng Yang
P246	π-MultiOmics: A Unified Workflow for Integrated Genome, Transcriptome, Proteome, and Phosphoproteome from a Single Sample	Shuyi Feng
P247	π-NovoQC: An End-to-end Platform for De Novo Peptide Quality Control and Quantification	Zhendong Liang
P248	π-SPECFormer: A Foundation Model for Decoding the Dark Proteome through Self-Supervised Learning	Tianze Ling
P249	π-UrinePro: A ZASP-Based Standardized Workflow for Urinary Proteomics	Qingjing Chen

Exhibition



Floor Plan of the First Floor of Block 2
2号楼一层平面图

Booth	Company
B01	Bioinformatics Solutions Inc.（BSI）
B02	ProteinT (Tianjin) Biotechnology Co., Ltd
A01-A02	Illumina
A03	Fujifilm Wako (Guangzhou) Trading Corporation
A04	Nanomics Biotechnology
A05	Novogene Co., Ltd.
A06	Opentrons Labworks Inc,
A07	Beijing Jm Instrument Co., Ltd
A08	Shenzhen BayOmics Biotechnology Co., Ltd.
A09	Shanghai Bioprofile Technology Co., Ltd
A10	Shanghai Omicsolution Co., Ltd.
A11	Suzhou Motif Biotech Co., Ltd.
A12	Wuhan Metware Biotechnology Co., Ltd.
A13-A14	Jingjie PTM Biolab (Hangzhou) Co. Inc PTM Bio LLC
A15	Proteoformics Biotechnology Co., Ltd.
A16	Secretech
A17	Lc-Bio Technologies (Hangzhou) Co., Ltd.
A18	Olink Proteomics
A19-A20	Thermo Fisher Scientific
A21	Evosep
A22	Hangzhou Neuchan Biotech Co., Ltd.
A23	SCIEX CHINA
A24	Anhui Guoping Pharmaceutical Co., Ltd.

Booth	Company
A25	Gene Company Limited Covaris
A26	TECAN
A27	Shanghai Easymass Co., Ltd.
A28	ProteoEdge
A29-A30	Westlake Omics (Hangzhou) Biotechnology Co., Ltd.
A31	Molecular Machines & Industries GmbH
A32	Shanghai Biotree Biotech Co., Ltd.
A33	Alamar Biosciences
A34	ACX Instruments Ltd.
A35	ProteomicsEra Medical Co., Ltd.
A36-A37	Bruker Corporation
A38	Shanghai OE Biotech Co., Ltd.
A39	Shenzhen Wininnovate Biotech Co., Ltd.
A40	Beijing Qinglian Biotech Co., Ltd.
A41	Shanghai Applied Protein Technology Co., Ltd.
A42	Hangzhou Micrometer Biotech Co., Ltd.
A43	Beijing Shengxia Proteins Scientific Ltd
A44	Beijing Qinglian Biotech Co., Ltd.
A45	ChomiX Biotech Co., Ltd.
A46	National Center for Protein Sciences·Beijing
A47	Nanjing EVLiXiR Biotechnology Co., Ltd.
A48	BGI Tech Solutions Co., Ltd.
A49	Agilent Technologies Inc.
A50	International Academy of Phronesis Medicine (Guangdong)

Sponsorship

BSI Bioinformatics Solutions Inc.
mindray 迈瑞 生命科技如此亲近
中利医疗 Zhong Li Yi Liao
AiViD®
谱天生物 PROTEINT
illumina® 因美纳

FUJIFILM 富士胶片和光(广州)贸易有限公司
Nanomics
Novogene 诺禾致源
opentrons
吉艾姆®
BayOmics 贝普奥

拜谱生物 SHANGHAI BIOPROFILE
OMICSOLUTION 上海易算生物科技有限公司
MOTIF BIOTECH 苏州默迪夫生物
METWARE 迈维代谢
景杰生物 PTM BIO
凤凰智药 ProteOformics

secretech
联川生物
Olink
ThermoFisher SCIENTIFIC
EVOSEP

纽辰生物 NEUCHAN
SCIEX
国平药业 GUOPING PHARMACEUTICAL
Covaris® a PerkinElmer Company
Gene Company Limited 基因有限公司 A Gene Group Company
TECAN.

Easy MAKE mass EASY 易质谱
普锐智 PROTEOEDGE
西湖欧米 WESTLAKE OMICS
MMI
BIOTREE百趣
ALAMAR BIOSCIENCES

acx INSTRUMENTS
旦生医学 PROTEOMICSERA MEDICAL
BRUKER
oebiotech 欧易生物
Wininnovate Bio —微纳菲生物—
青莲百奥 QL Bio
APPLIED PROTEIN TECHNOLOGY 中科新生命

杭州微米生物 Micron Bio Mab 微米抗体
北京生夏蛋白 BEIJING LIFE PROTEOMIC
Chomix 科络思
PHOENIX
EVLiXiR 逸微健华
华大科技 BGI · Tech

Agilent Trusted Answers
π-HuB Park
SYNCELL

Note:

π-HuB Park

展位号：A50

第一届π-HuB产业大会

The 1st π-HuB Industry Conference

π-HuB Park 产业园官宣

大会亮点

首度官宣

π-HuB的顶层产业逻辑、产业园发展规划及核心产业模块布局，
描绘协同共生的创新生态全景

现场签署

与全球头部企业的重磅战略合作协议，π-HuB产业园一期孵化器
企业入驻，以及生态伙伴建设，共同谱写合作新篇章

集中亮相

颠覆性的新技术、新产品，见证产学研融合创新力量

会议时间

2025年10月13日
14:00–17:00

会议地点

广东省广州市
白云国际会议中心·清和厅

主办方

广东智慧医学国际研究院(IAPM)

联系方式

联系人：罗老师
联系电话：18826052417
邮箱：1365628751@qq.com
官网：https://www.pi-hub.org.cn/

公众号二维码：

The PI-HuB Project

IAPM

MT8000

全实验室智能化流水线

mindray 迈瑞

畅行检验高质路

强效能

- 精巧设计，极致空间管理
- 三合一进出样设计
- 四轨超万速
- 多设备在轨直连

融生态

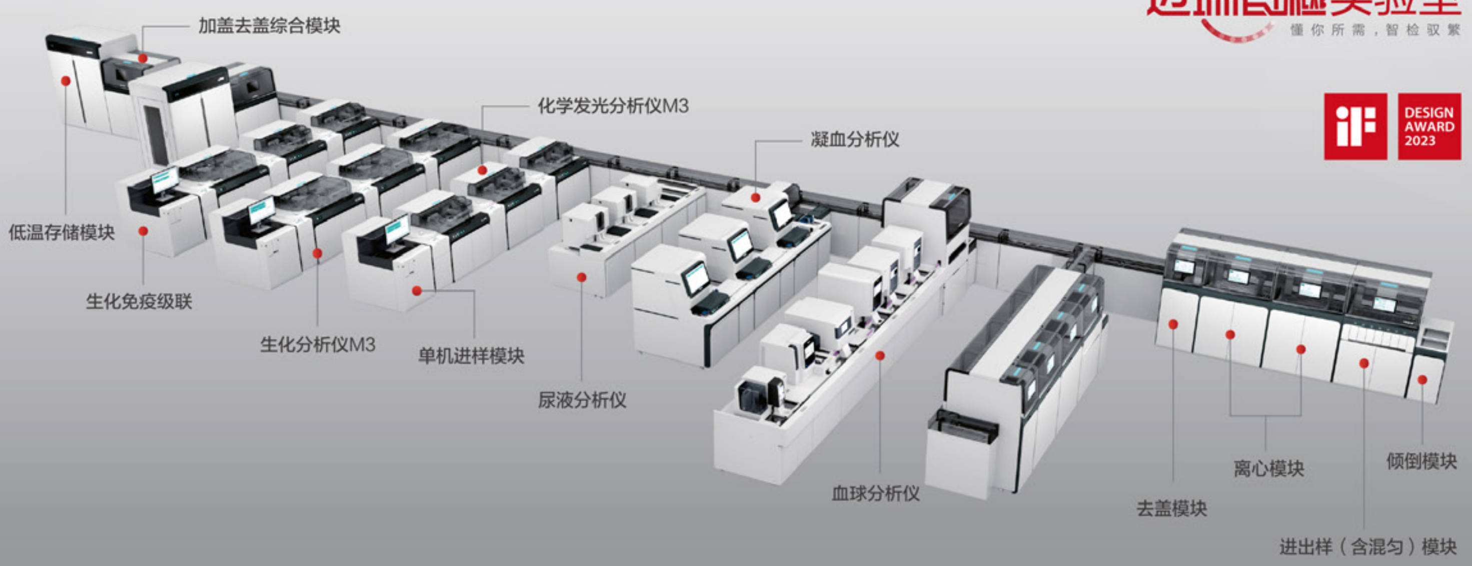
- 多元拓展，促进生态融合
- 多学科联合，助力医院高质量发展
- 区域数据集成，中心化运营管理

智流程

- 多维智慧流程，为样本检验保驾护航
- 急诊全程优先，样本实时监控
- 多模态样本质量管理
- 单屏远程操控整条流水线

迈瑞智检实验室
懂你所需，智检驭繁

iF DESIGN AWARD 2023



进出样（含混匀）模块

- 模块样本容量1050管
- 样本处理速度850样本/小时
- 支持多模块拓展功能

离心模块

- 模块速度460管/小时（7min）
- 离心最大转速4500r/min，最大离心力4300g
- 单批次最大装载量80管
- 具有智能自动平衡功能
- 支持多模块拓展功能
- 支持血清余量、血清质量拍照识别功能

去盖模块

- 模块速度850管/小时
- 旋转去盖方式可以减少气溶胶的产生
- 具备气溶胶过滤和紫外线消毒功能以防止生物污染
- 支持多模块拓展

轨道传输系统

- 每条轨道处理速度3600管/小时
- 采用4轨道结构，可灵活超车，快速掉头
- 样品管在主轨道和分析仪前轨道上都采用单管传输
- 轨道采用RFID技术对样本进行定位追踪

单机上样模块

- 样本容量200管
- 实现定标品、质控品和样本单机上样

数据管理系统

- 软件采用B/S架构，支持移动设备（如手机）端查看
- 能够集中控制并管理在线仪器，可实时监控检测标本实时状态和标本位置以及仪器运行状态、试剂信息
- 开放数据接口并能与本院LIS和HIS系统连接提供数据接口文档


Orbitrap™ Astral™


timsTOF Pro 2

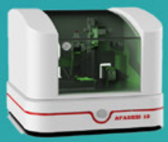
Olink®


Q Exactive™ HF-X


Orbitrap Exploris™ 480


Orbitrap Exploris™ 120


SCIEX QTRAP® 6500+



AFADESI-10

质谱全组学解决方案

代谢组学解决方案

非靶向代谢组

- HQ 非靶向代谢组 Pro 新 推荐
- HQ 非靶向代谢组 推荐
- 非靶向代谢组（LC-MS）
- 非靶向代谢组（GC-MS）

脂质组

- 脂质组
- 定量脂质pro

类靶向代谢组

- 植物类靶向代谢组 推荐
- 人&动物类靶向代谢组 推荐

靶向代谢组

- N500高通量靶向代谢组 推荐
- GM200高通量靶向代谢组 推荐
- 短链脂肪酸 推荐
- 氨基酸 推荐
- 色氨酸 推荐
- 胆汁酸 推荐
- 脂肪酸 推荐
- 中心碳相关物质
- TMAO及相关代谢物
- 神经递质
- 有机酸
- 类固醇激素
- 植物激素
- 氧化脂质
- 神经酰胺
- 类黄酮
- 花青素
- 个性化靶向代谢组

空间代谢组

- AFADESI空间代谢组 推荐
（20μm/50μm/100μm）
- MALDI-TOF空间代谢组
（20μm/50μm/100μm）

蛋白质组学解决方案

定量蛋白质组

- Deep DIA 推荐
- Rapid DIA 推荐
- 血液 HD Blood plus
- 宏蛋白质组
- 微量蛋白质组
- FFPE蛋白质组
- 外泌体蛋白质组
- Label free
- TMT

修饰蛋白质组

- 乳酸化 推荐
- 磷酸化 推荐
- 乙酰化 推荐
- 泛素化 推荐
- 琥珀酰化
- N/O-糖基化
- 丙酰化
- 丙二酰化
- 戊二酰化
- 甲基化

定性蛋白质组

- 蛋白定性
- 修饰定性

靶向蛋白质组

- iPRM

Olink蛋白质组解决方案

Explore 系列

- Explore HT 推荐
- Explore 3072
- Explore 1536
- Explore 384

Reveal

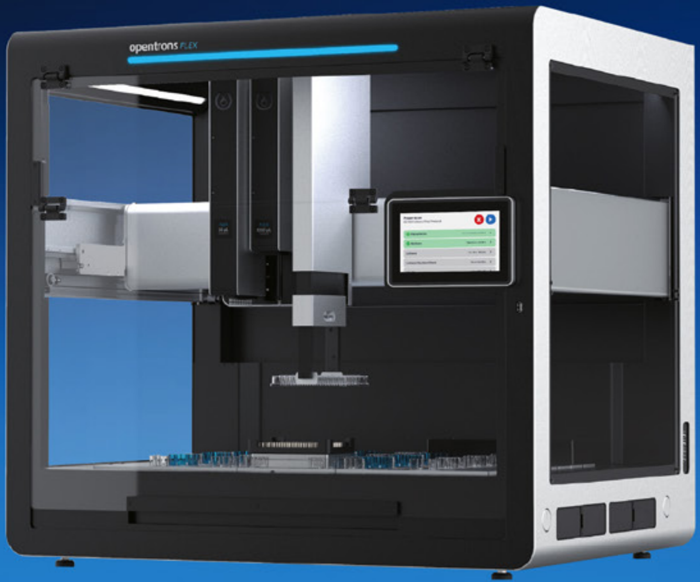
- Reveal 推荐

Target 系列

- Target 96
- Target 48

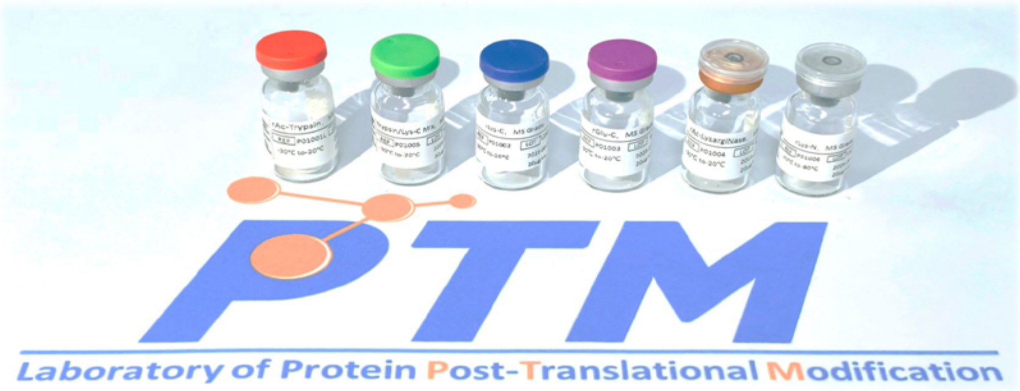
近2年部分高分项目文章

发表时间	发表期刊	IF	文章题目	合作单位	服务类型
2025/5/2	Bioactive Materials	20.3	Human induced pluripotent stem cell derived nanovesicles for cardiomyocyte protection and proliferation	新加坡国立大学	定量蛋白质组
2025/2/20	SCIENCE	45.8	Base-modified nucleotides mediate immune signaling in bacteria	华中农业大学	定性蛋白质组
2025/2/12	Bioactive Materials	20.3	Metal-phenolic networks specifically eliminate hypoxic tumors by instigating oxidative and proteotoxic stresses	华中科技大学同济医学院附属协和医院	类靶向代谢组
2025/1/26	Molecular Plant	24.1	Graph-based pangenome provides insights into the structural variation and genetic basis of metabolic traits in potato	云南农业大学	类靶向代谢组
2024/12/25	Cancer Communications	24.9	Orchestrated desaturation reprogramming from stearoyl-CoA desaturase to fatty acid desaturase 2 in cancer epithelial-mesenchymal transition and metastasis	广州医科大学	脂质组
2024/12/5	CANCER CELL	44.5	Mannose metabolism reshapes T cell differentiation to enhance anti-tumor immunity	中国医学科学院北京协和医学院	非靶向代谢
2024/11/6	Cell Metabolism	30.9	Microbiota-derived lysophosphatidylcholine alleviates Alzheimer’s disease pathology via suppressing ferroptosis	首都医科大学基础医学院	非靶向代谢
2024/10/16	Cell Host & Microbe	20.6	Gut symbiont-derived anandamide promotes reward learning in honeybees by activating the endocannabinoid pathway	中国农业大学	非靶向代谢、靶向代谢组
2024/10/3	Cell Metabolism	30.9	Stress triggers irritable bowel syndrome with diarrhea through a spermidine-mediated decline in type I interferon	中山大学附属第三医院	非靶向代谢、定量蛋白质组
2024/9/18	Nature Microbiology	20.5	Taurolithocholic acid protects against viral haemorrhagic fever via inhibition of ferroptosis	中国人民解放军军事医学科学院微生物流行病研究所	非靶向代谢组
2024/6/21	IMMUNITY	26.3	Cellular spermine targets JAK signaling to restrain cytokine-mediated autoimmunity	中国医学科学院北京协和医学院基础医学研究所	类靶向代谢
2024/4/2	Cell Metabolism	30.9	A clinical-stage Nrf2 activator suppresses osteoclast differentiation via the iron-ornithine axis	华中科技大学同济医学院	非靶向代谢

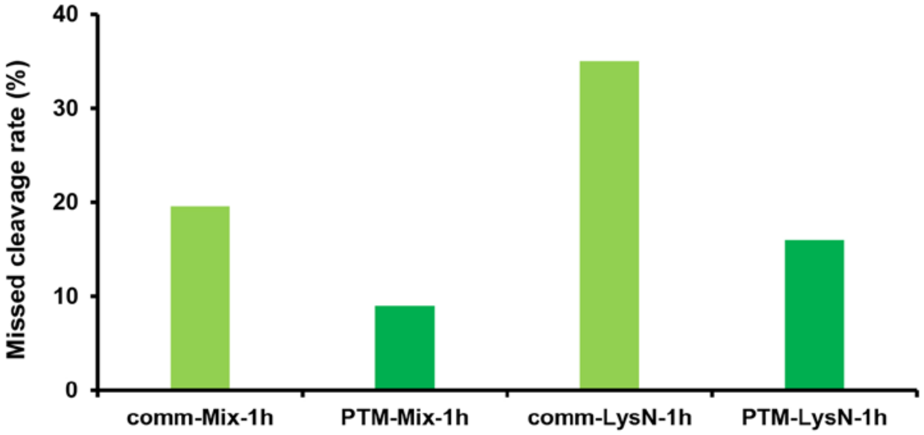


系列蛋白质组学专用
位点特异性超高活性蛋白酶产品

为大队列样本精准蛋白质组学研究提供核心工具

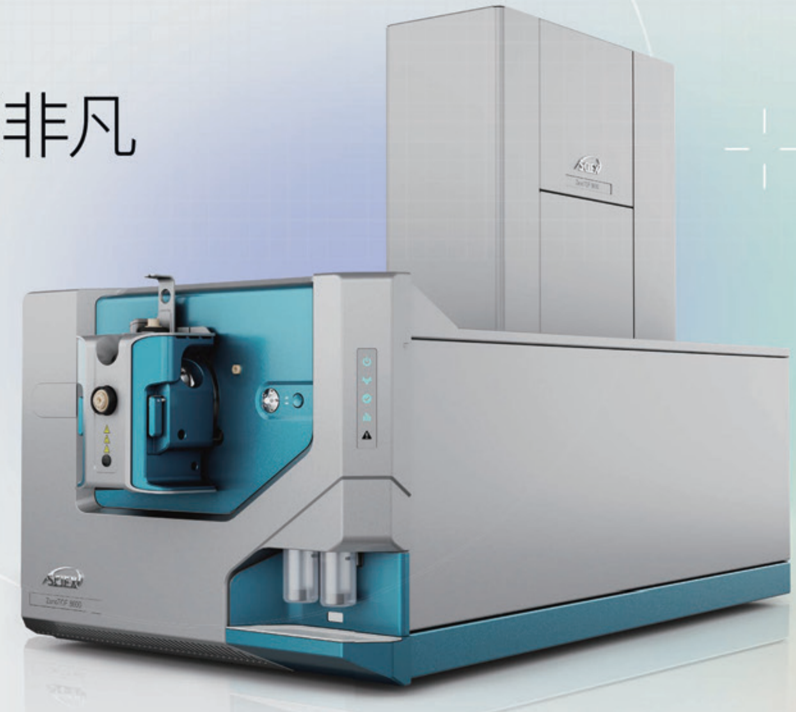


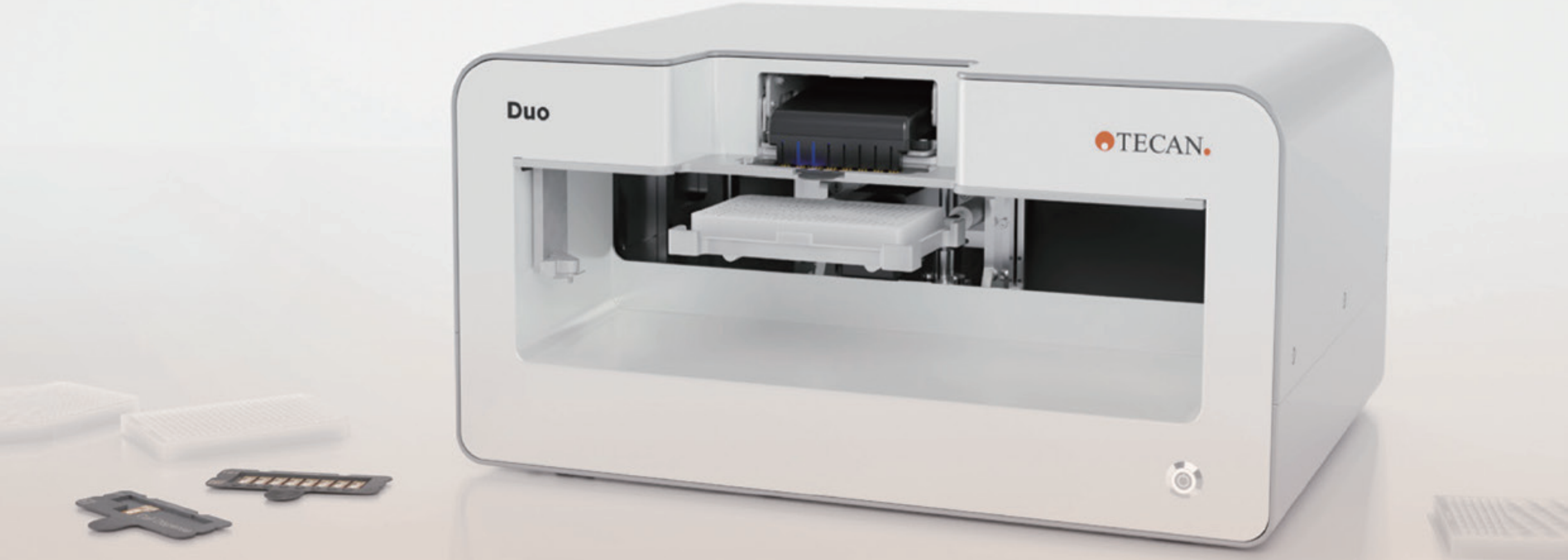
可实现1小时快速酶切



序号	产品名称	货号	规格	特性
1	rAc-Trypsin, MS Grade	P01001	25 μg/瓶*4/包	高活性，抗自消化
2	rLys-C, MS Grade	P01002	20 μg/瓶*5/包	高活性，耐受性强
3	rGlu-C, MS Grade	P01003	20 μg/瓶	活性稳定
4	rAc-LysargiNase, MS Grade	P01004	20 μg/瓶	高活性，应用于N端组学
5	rAc-Trypsin/rLys-C Mix, MS Grade	P01005	20 μg/瓶*5/包	超高活性，耐受性佳
6	rsLys-N, MS Grade	P01006	20 μg/瓶	超高活性，耐受性强

PTM
Laboratory of Protein Post-Translational Modification
国家蛋白质科学中心（北京）




Duo
TECAN.

TECAN.

TECAN自动化蛋白组学样本制备工作站

TECAN automated proteomics sample preparation workstation

自动化·标准化·高通量 三重保障：数据稳、重复佳、结果更可信！

Automation·Standardization·High throughput, triple guarantee: stable data, better reproducibility, and more reliable results!

方法兼容广 Wide method compatibility

适配SP3，FASP，胶内酶切等

Compatible with SP3, FASP, in-gel digestion, etc.

稳定更可靠 More stable and reliable

移液准、精度高，整合模块性能佳，运行无忧

Accurate pipetting, high precision, better integrated modular performance, worry-free operation.

操作零门槛 Zero-threshold operation

触摸屏叠加预验证流程库，上手即会

Touchscreen overlays with pre-validated workflow library, easy to use right away.

效率最大化 Maximum efficiency

智能调度系统支持多项目并行处理

Intelligent scheduling system supports multi-project parallel processing.

仅用于科研，不用于临床诊断

oebiotech
欧易生物 科学家都覺得靠譜

欧易生物科研技术服务一览

Shanghai OE Biotech Co., Ltd

国内首家代理 华东区独家

Illumina Protein Prep (IPP)

单细胞时空多组学 拳头产品

1. 单细胞转录组测序
   - ① 10x Genomics
   - ② BD Rhapsody
   - ③ MobiNova
   - ④ 10x FLEX
2. 单细胞核转录组测序
   - ① 10x Genomics
   - ② MobiNova
3. 单细胞及免疫组库测序
   - ① 10x Genomics
   - ② BD Rhapsody
   - ③ MobiCube
4. 单细胞表观组测序
   - ① 10x ATAC-seq
   - ② MobiCHIP
5. 空间转录组
   - ① 10x 冰冻样本
   - ② 10x Visium CytAssist FFPE样本
   - ③ 10x Visium CytAssist 冰冻样本
   - ④ 10x Visium HD FFPE样本
   - ⑤ 10x Visium HD 冰冻样本 力荐
   - ⑥ 10x Visium HD 3' poly A 冰冻样本
   - ⑦ 华大Stereo-seq V1.3 冰冻样本
6. 空间代谢组
   - ① waters DESI
   - ② AFADESI
7. 前沿技术 技术红利
   - ① 10x Xenium Prime 5k
   - ② 10x Xenium 定制探针

质谱线

1. 蛋白组
   - ① DIA定量蛋白质组学 力荐
   - ② Deep高深度血液蛋白质组学 力荐
   - ③ FFPE定量蛋白质组
   - ④ 标记定量蛋白质组学
   - ⑤ 超微量蛋白质组学
   - ⑥ 修饰蛋白质组学
   - ⑦ PRM靶向蛋白质组学
   - ⑧ LC-MSMS蛋白质谱鉴定
   - ⑨ 空间蛋白质组
2. 代谢组
   - ① LC-MS全谱代谢组学 力荐
   - ② 双平台全谱代谢组学
   - ③ Level One 500 全谱代谢组 力荐
   - ④ Level One 1000 全谱代谢组 力荐
   - ⑤ 精准靶向代谢组学
   - ⑥ GC-MS全谱代谢组学
   - ⑦ 脂质代谢组学

Olink蛋白质组

1. Olink Target 96
2. Olink Reveal

表观组

1. Illumina 935K甲基化芯片检测
2. CUT&Tag测序 力荐

中药组学

1. 中药复方/单方成分鉴定
2. 中药入血/入靶原型成分鉴定
3. 中药全谱代谢组
4. 中药空间代谢组
5. 网络药理学、系统药理学、分子对接

酵母文库 力荐

1. 建库
   - ① 核体系酵母文库构建
   - ② 膜体系酵母文库构建
   - ③ 原核酵母文库构建
   - ④ 酵母表达文库构建
2. 筛库
   - ① 酵母单杂交筛选
   - ② 酵母双杂交筛选
3. 家族库筛选
   - ① 水稻转录因子库单/双杂交筛选
   - ② 拟南芥转录因子库单/双杂交筛选
   - ③ 水稻泛素E3文库双杂筛选
   - ④ 水稻TF_E3家族文库双杂筛选

转录组

1. 真核转录组测序 力荐
2. 微量转录组测序
3. 原核转录组测序
4. 全转录组测序
5. Small RNA测序
6. 实时荧光定量 PCR

基因组

1. 全外显子捕获测序（人、小鼠）
2. 全基因组重测序

微生物组

1. 16S/18S/ITS微生物多样性测序
2. 二代宏基因组测序
3. 2bRAD-M®简化微生物组 独家
4. 微生物单细胞转录组 新品
5. 微生物单细胞基因组 新品
6. 微生物*de novo* 测序

联系我们

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欧易生物创新多组学

扫码关注
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扫码关注
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青莲百奥
QL Bio

蛋白质诊疗标志物发现创新平台
Innovative Proteomics Platform for Clinical Diagnosis and Treatment Biomarker Development

青莲百奥完整解决方案

科研服务产品体系｜以蛋白质组学为优势和核心的多组学服务平台

体液蛋白质组学

- 常规血浆蛋白质组
- 高深度血浆蛋白质组
- 其它体液蛋白质组
- Olink靶向定量蛋白质组

特色蛋白质组学

- 热蛋白质组
- 限制性酶解-质谱分析
- 细胞外囊泡蛋白质组
- 单细胞蛋白质组
- 常规空间蛋白质组
- 全息空间蛋白质组
- 生物肽组
- 免疫肽组
- 微量蛋白质组
- FFPE蛋白质组
- 宏蛋白质组

定性蛋白质组

- 胶条鉴定
- 蛋白溶液鉴定
- 蛋白提取鉴定
- CoIP(AP-MS)鉴定
- 修饰位点鉴定

定量蛋白质组

- LFQ定量蛋白质组
- DIA定量蛋白质组
- TMT定量蛋白质组
- PRM定量蛋白质组
- CoIP(AP-MS)定量

高级分析

- 生物标志物筛选
- 预后标志物筛选
- 分子分型
- 全蛋白质组关联分析

修饰蛋白质组

- 磷酸化修饰组
- 糖基化修饰组
- 泛素化修饰组
- SUMO化修饰组
- 乙酰化修饰组
- 乳酸化修饰组
- 琥珀酰化修饰组
- 巴豆酰化修饰组
- 丙酰化修饰组
- 丙二酰化修饰组
- 戊二酰化修饰组
- 二羟基异丁酰化修饰组
- 三羟基丁酰化修饰组
- 棕榈酰化修饰组
- 二硫键组学
- 亚硝基化修饰组
- 亚磺酸化修饰组
- 次磺酸化修饰组

代谢组学

- 非靶向代谢组
- 非靶向脂质组
- 靶向代谢组

测序

- 转录组测序
- 16S/ITS测序
- 宏基因组测序

多组学联合

- 蛋白定量+蛋白修饰
- 蛋白修饰+蛋白修饰
- 蛋白质组+转录组
- 蛋白质组+代谢组
- 代谢组+16S
- 代谢组+转录组

细胞外囊泡表征

- 细胞外囊泡电镜
- 细胞外囊泡NTA
- 细胞外囊泡标志物WB
- 细胞外囊泡纳米流式

科学工具产品｜一站式蛋白质组学创新平台

蛋白质组前处理试剂盒

- 低丰度蛋白富集磁珠试剂盒(MagicOmics DMB)
- 微量/通用型蛋白质组学磁珠试剂盒(MagicOmics MMB)
- 细胞外囊泡蛋白质组学磁珠试剂盒(MagicOmics EMB Plus)
- 磷酸化肽段富集试剂盒(MagicOmics PEB)

蛋白质组前处理自动化仪器平台

- 蛋白质组学样本前处理智能机器人Pro(MagicOmics-AP-96-Pro)
- DeepResolve c18 HPLC 色谱杆
- Autotip-c18 自动化除盐柱

AI智能数据分析平台

BioLadder 2.0生物信息在线分析可视化云平台

青莲百奥
QL Bio

蛋白质诊疗标志物发现创新平台
Innovative Proteomics Platform for Clinical Diagnosis and Treatment Biomarker Development

青莲百奥平台与服务优势

自主研发自动化蛋白质前处理平台

快速 蛋白提取、富集、酶解等全流程2小时完成

稳定 同时处理96例样本，降低批次效应

高深度 独特纳米磁珠富集技术，助力低丰度蛋白灵敏检测

全系列质谱检测平台

满足不同场景蛋白和代谢检测需求

Bruker
timsTOF HT

Thermo Scientific™
Orbitrap Exploris™ 480

Thermo Scientific™
Q Exactive HF-X

Thermo Scientific™
Q Exactive™

Thermo Scientific™
Orbitrap Astral

Thermo Scientific™
Orbitrap Eclipse™ Tribrid™

AI智能数据分析平台BioLadder 2.0

50 + 分析模块，助力数据深度挖掘

售后个性化分析无忧

业务覆盖全国范围

青莲百奥业务覆盖全国170+医院、230+药企、300+科研院校，业务涵盖临床前研究、精准医疗、伴随诊断、药物研发、药物表征等多个方向。

170+医院　230+药企　300+科研院校

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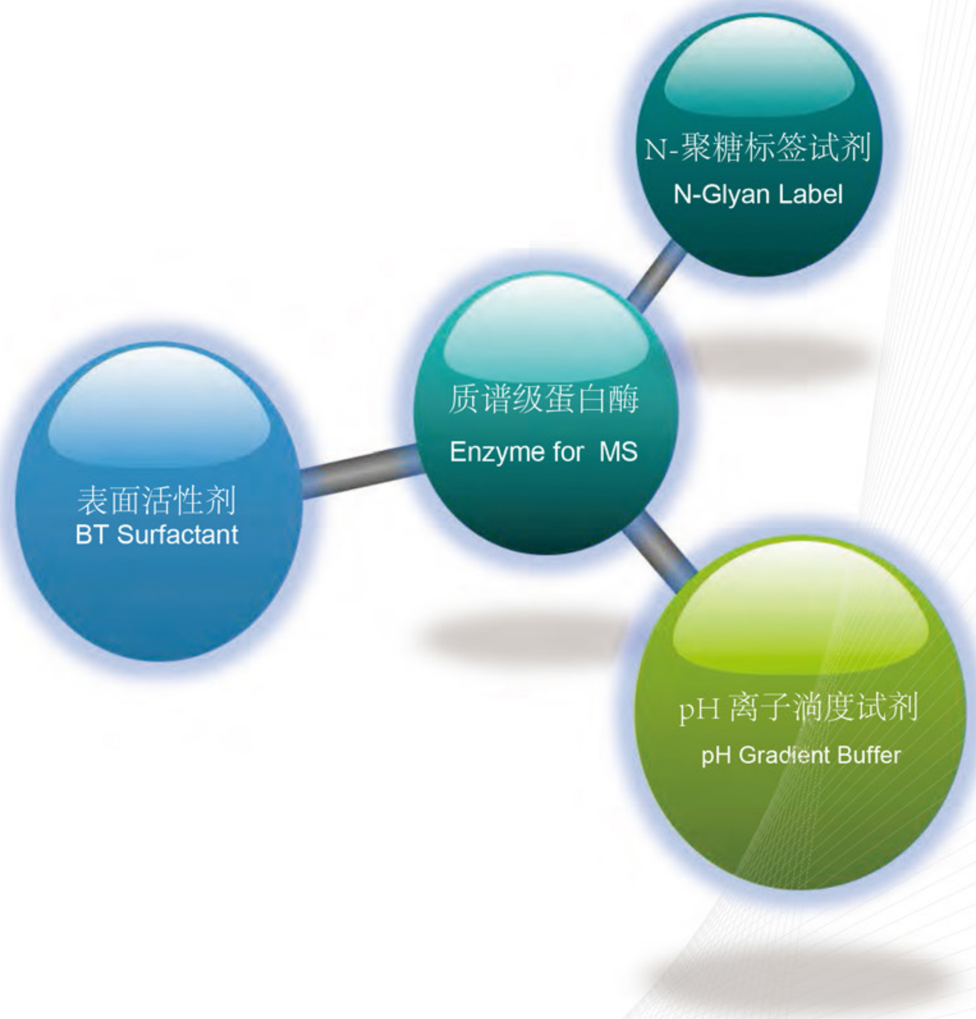
青莲百奥深度参与众多前沿研究，与中国医学科学院、中国科学院、军事医学研究院、国家蛋白质科学中心、四川大学华西医院、浙江大学医学院等科研团队合作发表高质量SCI文章100余篇，累积影响因子1000+。

电话：010-53395839　网址：www.qinglianbio.com　地址：北京市海淀区永捷南路2号院1号楼中关村科学城5层

北京生夏蛋白
BEIJING LIFE PROTEOMIC

Endoproteinase provider for Proteomics

生命科学 蛋白组学 核心试剂



N-聚糖标签试剂
N-Glyan Label

质谱级蛋白酶
Enzyme for MS

表面活性剂
BT Surfactant

pH 离子淌度试剂
pH Gradient Buffer

技术产品质量:

- 符合GMP规范
- 活度量化报告
- 批次质谱数据
- 技术包装品质
- 干冰冷链运输

北京生夏蛋白 · 北京市顺义区竺园二街2号院3号楼101, 邮编：101312 · E-mail: yu.feng@coowins.com · 电话：139 1067 9882 · 微信：FY13910679882

国家蛋白质科学中心·北京
National Center for Protein Sciences · Beijing

国家蛋白质科学中心·北京（以下简称“凤凰中心”）是为突破我国蛋白质组学研究中技术标准不统一、数据共享程度低等关键瓶颈而设立的生命科学领域的国家级大科学基础设施。作为中国人类蛋白质组计划的核心实施单位，凤凰中心同时肩负医学蛋白质组学全国重点实验室及首都科技条件平台的职能。

凤凰中心构建了以高通量、高分辨率、高精度的生物质谱仪为核心的蛋白质组学技术平台，以及基于“天河”超级计算机的生物信息学平台。在院士领衔、“千人计划”专家、国家杰出青年科学基金获得者及北京市科技新星等为骨干的高水平团队带领下，凤凰中心坚持以原始创新与集成技术创新为驱动，已建立起国际一流的蛋白质组分析技术体系，能够为科研工作者提供涵盖样本制备、色谱分离、质谱分析及数据处理的“一站式”优质技术服务。

一站式服务

π-HUB PROJECT

组织蛋白质组
血液蛋白质组
DDA
PRM
TMT
MRM
药物表征
尿液蛋白质组
时序蛋白质组
代谢组
单细胞蛋白质组
DIA
糖基化蛋白质组
磷酸化蛋白质组
泛素化蛋白质组
空间蛋白质组

专业的综合技术体系

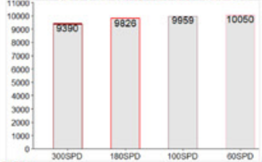
全面的软硬件配置

一流的科研支撑实力

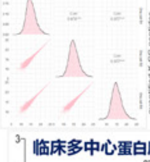
国际一流的技术服务能力

单次分析23分钟稳定定量10,000+蛋白质

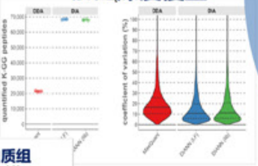
5分钟鉴定9,000+蛋白质

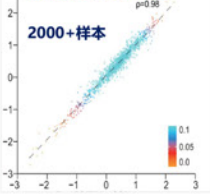


极微量蛋白质组6000+



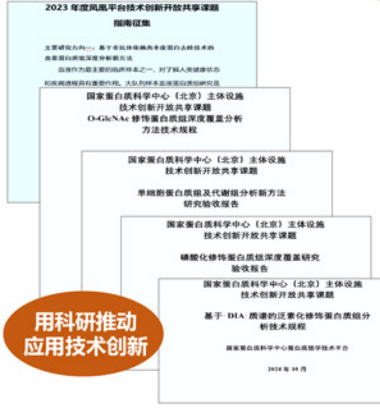
修饰组深度覆盖





满足大跨度、多类型、多对照、多重复的样本制备需求

- ◆差异蛋白的发现与验证
- ◆翻译后修饰的探索与分析
- ◆微量样本与单细胞蛋白质组
- ◆临床大队列蛋白质组解决方案
- ◆前沿的定量蛋白质组分析技术
- ◆蛋白质组与代谢组联合分析
- ◆时间/空间蛋白质组分析
- ◆生物信息学分析平台
- ◆靶向定量蛋白质组



2023 年度凤凰平台技术创新开放共享课题
指南征集

国家蛋白质科学中心（北京）主体设施
技术创新开放共享课题
O-GlcNAc 修饰蛋白质组深度覆盖分析
方法技术规程

国家蛋白质科学中心（北京）主体设施
技术创新开放共享课题
单细胞蛋白质组及代谢组分析新方法
研究验收报告

国家蛋白质科学中心（北京）主体设施
技术创新开放共享课题
磷酸化修饰蛋白质组深度覆盖研究
验收报告

国家蛋白质科学中心（北京）主体设施
技术创新开放共享课题
基于 DIA 质谱的泛素化修饰蛋白质组分析技术规程
国家蛋白质科学中心蛋白质组学技术平台

用科研推动应用技术创新

用心每个细节

技术服务

01 定性鉴定：
蛋白质组快速深度覆盖

02 定量分析：
Label-free蛋白质组学
DIA 蛋白质组学
TMT蛋白质组学
PRM靶向验证蛋白质组学

03 蛋白质修饰分析：
泛素化蛋白质组学
磷酸化蛋白质组学
糖基化蛋白质组学
目标蛋白质翻译后修饰

04 蛋白质药物表征分析：
二硫键解析
糖基化位点解析
糖型分析
液相色谱和质谱肽谱图
完整分子量检测

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王贵宾/谢玉萍/付斌：010-61777117
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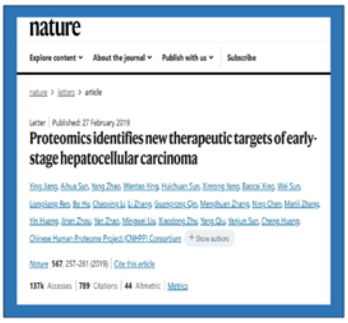
网站：www.ncpsb.org.cn/genee/
公众号：Phoenix Center

代表性合作成果


nature
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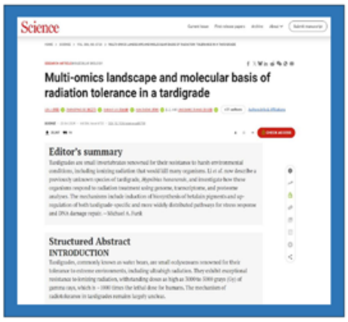
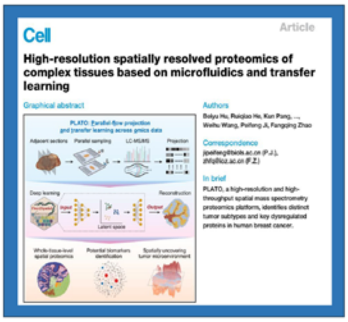
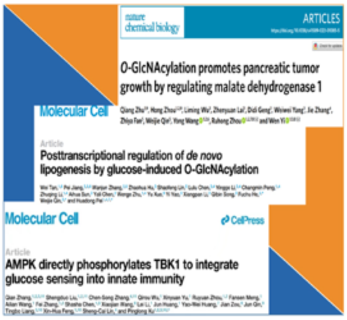
nature > letters > article
Letter | Published: 27 February 2019
Proteomics identifies new therapeutic targets of early-stage hepatocellular carcinoma
Ying Jiang, Aihua Sun, Yang Zhao, Wantao Ying, Huichuan Sun, Xinrong Yang, Baocai Xing, Wei Sun, Liangliang Ren, Bo Hu, Chaoying Li, Li Zhang, Guangrong Qin, Menghuan Zhang, Ning Chen, Manli Zhang, Yin Huang, Jinan Zhou, Yan Zhao, Mingwei Liu, Xiaodong Zhu, Yang Qiu, Yanjun Sun, Cheng Huang, Chinese Human Proteome Project (CNHPP) Consortium + Show authors
Nature 567, 257–261 (2019) | Cite this article
137k Accesses | 789 Citations | 44 Altmetric | Metrics


Science
Multi-omics landscape and molecular basis of radiation tolerance in a tardigrade
Editor's summary
Structured Abstract
INTRODUCTION


nature
Explore content · About the journal · Publish with us
nature > perspectives > article
Perspective | Published: 11 December 2024
π-HuB: the proteomic navigator of the human body
Fuchu He, Ruedi Aebersold, Mark S. Baker, Xiuwu Bian, Xiaochen Bo, Daniel W. Chan, Cheng Chang, Luonan Chen, Xiangmei Chen, Yu-Ju Chen, Heping Cheng, Ben C. Collins, Fernando Corrales, Jürgen Cox, Weinan E, Jennifer E. Van Eyk, Jia Fan, Pouya Faridi, Daniel Figeys, George Fu Gao, Wen Gao, Zu-Hua Gao, Keisuke Goda, Wilson Wen Bin Goh, The π-HuB Consortium + Show authors
Nature 636, 322–331 (2024) | Cite this article
26k Accesses | 21 Citations | 101 Altmetric | Metrics
An Author Correction to this article was published on 23 December 2024


Cell
Article
High-resolution spatially resolved proteomics of complex tissues based on microfluidics and transfer learning
Graphical abstract
Authors
Beiyu Hu, Ruiqiao He, Kun Pang, ..., Weihu Wang, Peifeng Ji, Fangqing Zhao
Correspondence
In brief
PLATO, a high-resolution and high-throughput spatial mass spectrometry proteomics platform, identifies distinct tumor subtypes and key dysregulated proteins in human breast cancer.


nature chemical biology
ARTICLES
O-GlcNAcylation promotes pancreatic tumor growth by regulating malate dehydrogenase 1
Molecular Cell
Article
Posttranscriptional regulation of *de novo* lipogenesis by glucose-induced O-GlcNAcylation
Molecular Cell
CellPress
Article
AMPK directly phosphorylates TBK1 to integrate glucose sensing into innate immunity


nature chemistry
ARTICLES
Wittig reagents for chemoselective sulfenic acid ligation enables global site stoichiometry analysis and redox-controlled mitochondrial targeting
Yunlong Shi, Ling Fu, Jing Yang and Kate S. Carroll
nature plants
Article
The cytosolic thiol peroxidase PRXIIB is an intracellular sensor for H_2O_2 that regulates plant immunity through a redox relay
Guochi Bi, Man Hu, Ling Fu, Xiaojuan Zhang, Jianru Zuo, Jiayang Li, Jing Yang and Jian-Min Zhou
nature communications
Article
Reaction-based fluorogenic probes for detecting protein cysteine oxidation in living cells
Renan B. Ferreira, Ling Fu, Youngeun Jung, Jing Yang & Kate S. Carroll


nature COMMUNICATIONS
ARTICLE
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A time-resolved multi-omic atlas of the developing mouse stomach
nature COMMUNICATIONS
ARTICLE
OPEN
Global profiling of distinct cysteine redox forms reveals wide-ranging redox regulation in *C. elegans*
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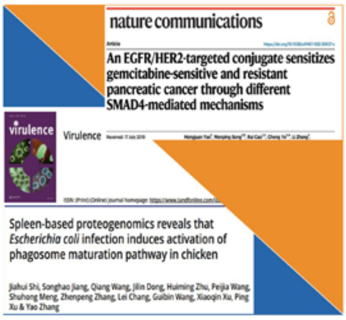
ARTICLE
OPEN
A proteomic landscape of diffuse-type gastric cancer


nature communications
Article
An EGFR/HER2-targeted conjugate sensitizes gemcitabine-sensitive and resistant pancreatic cancer through different SMAD4-mediated mechanisms
virulence
Virulence
Spleen-based proteogenomics reveals that *Escherichia coli* infection induces activation of phagosome maturation pathway in chicken
Jiahui Shi, Songhao Jiang, Qiang Wang, Jilin Dong, Huiming Zhu, Peijia Wang, Shuhong Meng, Zhenpeng Zhang, Lei Chang, Guibin Wang, Xiaoqin Xu, Ping Xu & Yao Zhang

代表性合作项目

- Chinese Human Proteome Project
- Chinese State Key Projects for Basic Research (973) (2014CBA02001)
- National Key Research and Development Project of China (2018YFA0507502, 2020YFC2002700, 2020YFE0202200,2021YFA1301600, 2021YFA1301602, 2021YFA1301603, 2021YFA1300200, 2022YFC2302900, 2023YFF1204600)
- National Natural Science Foundation of China (32271518, 32371504, 32088101,82192881, 82192881)
- Research Program of the State Key Laboratory of Proteomics(SKLP-O201704, SKLP-K201901)

国家蛋白质科学中心·北京
National Center for Protein Sciences · Beijing

国家蛋白质科学中心·北京（简称“**凤凰中心**”），是国家为了解决蛋白质组学领域技术标准不统一、数据共享度低等科研瓶颈而设立的生命科学领域的**国家级大科学基础设施**，也是**中国人类蛋白质组计划**的核心实施单位、**医学蛋白质组学全国重点实验室**和**首都科技条件平台**。

凤凰中心拥有以高通量、高分辨率、高精度定量蛋白质组技术为特色的**蛋白质组学技术平台**和以高性能“天河”超级计算机为核心的生物信息学平台。在院士领衔，“千人计划”学者、国家杰青、北京市科技新星为骨干的专家团队带领下，凤凰中心建立了从蛋白质组发现研究到生物信息学分析，生物学验证和应用转化的闭环式技术服务平台。

我们愿与从事蛋白质组学、生物功能研究、生物信息学、转化医学和蛋白质药物研发等相关创新研究的有识之士一起，推动生命科学新发现、新技术、新产品的涌现，实现“**创造历史，引领世界**”的使命和梦想。

蛋白质组学技术平台
技术服务范围

01 定性鉴定
蛋白质组快速深度覆盖

02 定量分析
Label-free蛋白质组学
DIA 蛋白质组学
TMT蛋白质组学
PRM靶向验证蛋白质组学

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糖基化蛋白质组学
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二硫键解析
糖基化位点解析
糖型分析
液相色谱和质谱肽谱图
完整分子量检测

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- National Natural Science Foundation of China (32271518, 32371504, 32088101,82192881, 82192881)
- Research Program of the State Key Laboratory of Proteomics(SKLP-O201704, SKLP-K201901)

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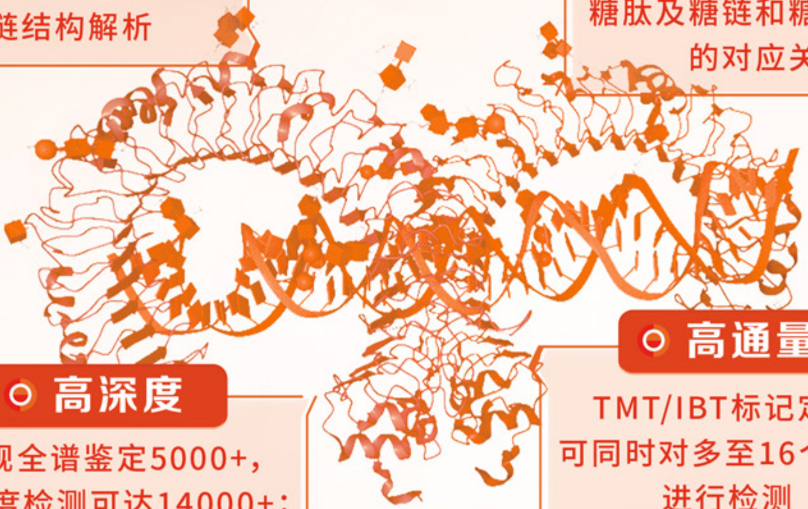
N-连接完整糖肽蛋白质组

——完整解析，甜蜜升级

产品优势



真结构

StrucGP软件
实现真正意义上的
糖链结构解析

超全面

同时获得糖链结构、
糖肽及糖链和糖基化位点
的对应关系

高深度

常规全谱鉴定5000+，
超深度检测可达14000+；
定量鉴定糖肽2700+

高通量

TMT/IBT标记定量
可同时对多至16个样本
进行检测

应用方向

- 生物标志物研究
- 分子分型研究
- 分子机制研究
- 生长发育研究
- 生物药表征

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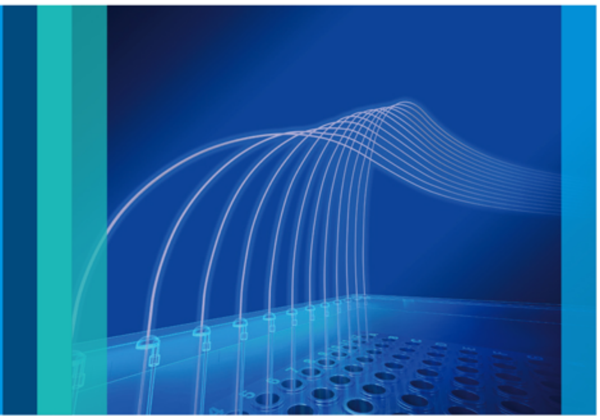
华大科技BGITech

高通量 CE-SDS 蛋白分析 ProteoAnalyzer 系统

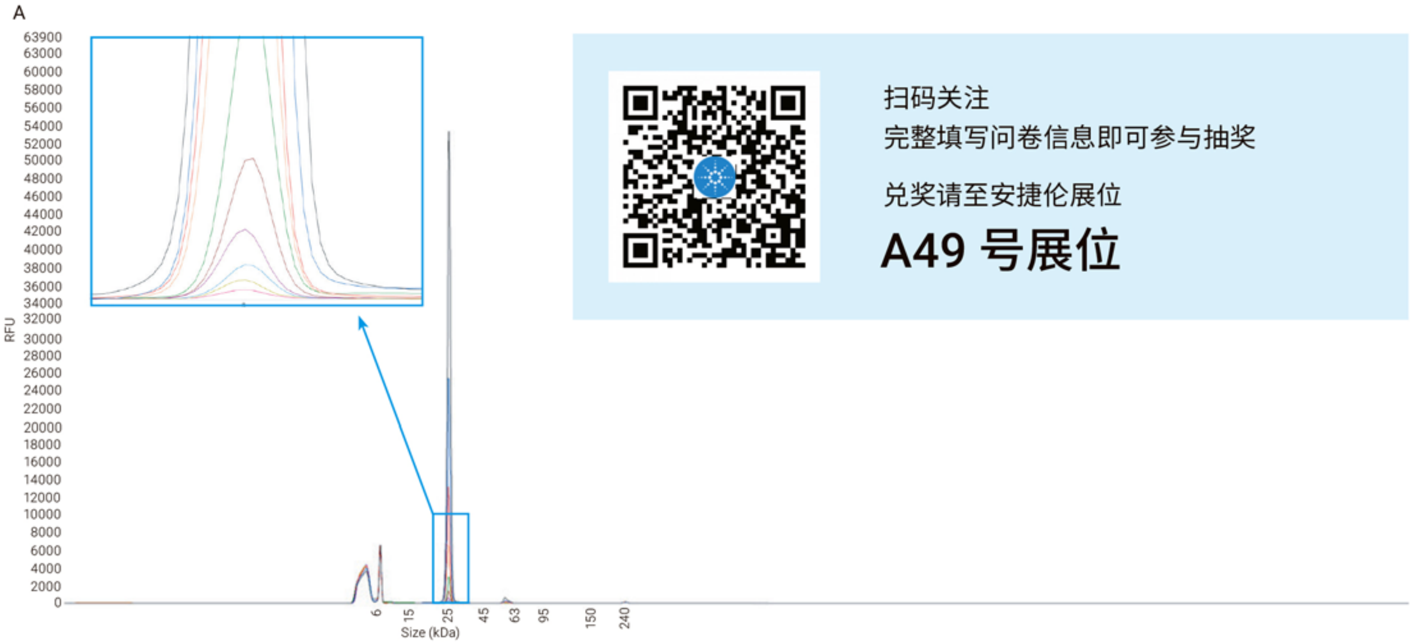


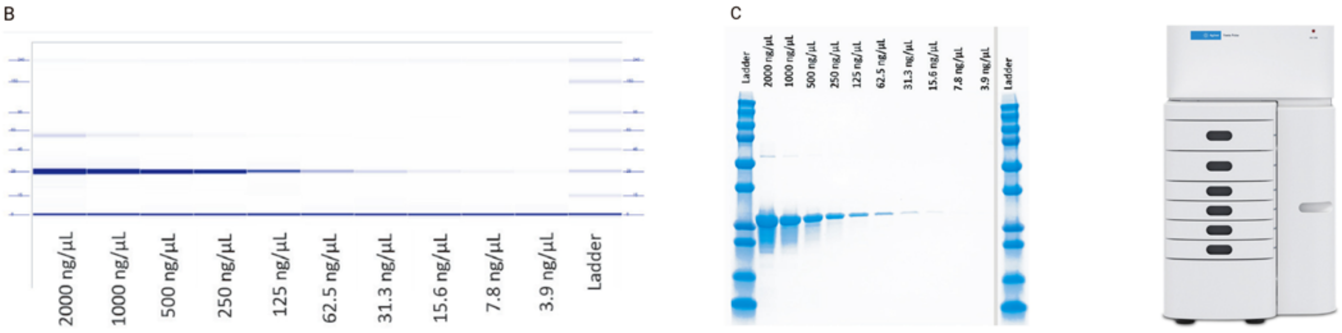
Agilent ProteoAnalyzer 系统是一种平行毛细管电泳仪器，可自动进行还原型和非还原型蛋白质样品的毛细管电泳 – 十二烷基硫酸钠 (CE-SDS) 分析。 该系统能够在短短 30 min 内对 12 个样品进行分离，省去了 SDS-PAGE 凝胶制备、染色/脱色和分析的繁琐过程，让您专注于结果。

扫码关注
完整填写问卷信息即可参与抽奖

兑奖请至安捷伦展位

A49 号展位





图：比较安捷伦 ProteoAnalyzer 系统和 SDS-PAGE 上分析 CAII 蛋白的连续稀释样本电泳结果。(A) ProteoAnalyzer 系统的电泳峰图叠加，在插入框中突出显示较小的浓度结果，(B) ProteoAnalyzer 系统的数字凝胶图像。(C) 相同的样品 SDS-PAGE 凝胶图。

Trusted Answers

SYNCELL

亚细胞器级别精准度

显微镜导向的空间蛋白质纯化

能「选取蛋白质」的显微镜

Protein 🔵 Known 🔴 Novel	Log$_2$ (PL/CTL)
🔵 PALLD	4.37
🔵 HNRNPK	4.04
🔵 CSDE1	3.92
🔵 VCL	2.97
🔵 GSPT1	2.92
🔴 PDLIM7	2.85
🔵 PABPC1	2.75
🔵 GARS1	2.60
🔵 HNRNPH1	2.39
🔴 EIF3CL	2.34
🔴 YWHAE	2.25
🔵 TARDBP	2.24
🔵 FXR1	2.23
🔵 EIF3E	2.22
🔴 RPSA	2.21
🔵 MOV10	2.16
🔵 HDLBP	2.07
🔵 HNRNPL	2.04
🔴 MTA2	2.00
🔴 UGDH	1.86
🔵 PCBP1	1.83
🔵 SYNCRIP	1.69
🔵 VCP	1.68
🔵 PABPC4	1.56
🔵 DPYSL2	1.52
🔴 DDX17	1.42
🔵 DDX50	1.42
🔵 EEF1D	1.42
🔵 CPNE3	1.42

高分辨率

~350 nm 精度
达到亚细胞器级别

高灵敏度

提供高动态范围的蛋白质组学
精确检测低拷贝数蛋白

高特异性

双光子导引光致生物
素标记

广泛样本兼容性

适用于细胞与组织样本
（FFPE 与新鲜冷冻样本）

无偏倚探索

无需依赖靶向探针或Panel，即可从
整个样本中提取全部蛋白质组信息

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Optoproteomics: Unbiased Spatial Proteomics at Disease-Associated Sites

日期
2025年10月13日
中午12:30-13:30

地点
茂名厅
（广州白云国际会议中心二号楼一层）

主讲人

廖仲麒

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- 前中央研究院研究员、哥伦比亚大学助理教授
- 荣获 国家创新奖、科技部杰出研究奖

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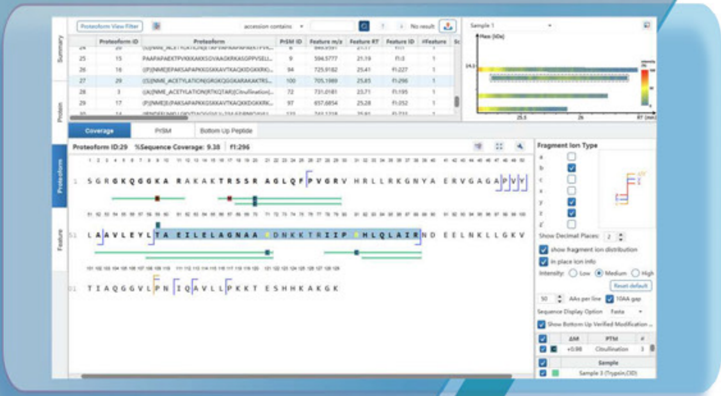
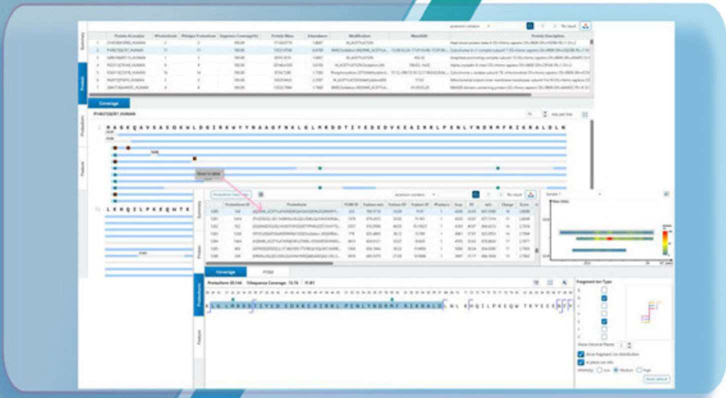


In-depth top-down proteome identification with open search



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