

# SMART 2026: Advanced Flow Cytometry Technologies and Applications

To All Relevant Units:

To build a world-class platform for academic exchange and cooperation, accelerate the dissemination, innovation and translation of cutting-edge flow cytometry technologies, expand the dimensions of scientific research thinking and protocol design, and enhance the academic vision and comprehensive professional capabilities of technical personnel, the **SMART 2026: Advanced Flow Cytometry Technologies and Applications** will be held at Weiguang Life Science Park, Shenzhen, on **April 23–24, 2026**.

With the theme of **Focusing on Core Technologies, Standardizing Application Criteria, Empowering Scientific Research Innovation**, this symposium aims to construct a high-end international exchange platform integrating cutting-edge academic discussion, technical experience sharing, industry-university-research collaboration, and international talent exchange. Centering on core topics including sample and quality control standardization, high-dimensional flow cytometry protocol design, spectral analysis guidelines, imaging flow cytometry applications, and cutting-edge applications of nano flow cytometry, we have invited top domestic and international experts and scholars to attend the symposium, share their latest research findings and practical experience, and jointly explore new development paths and discuss new innovation opportunities in this field.

## I. Organizing Committee

Name	Affiliation	Position
Liang Shan	Shenzhen Medical Academy of Research and Translation	Director, Institute of Human Immunology
Daqian Sun	Shenzhen Medical Academy of Research and Translation	Team Leader of Flow Cytometry Core Facility
Qianqian Feng	Tsinghua University	Deputy Director of Center of Biomedical Analysis
Haidi Yin	Shenzhen Medical Academy of Research and Translation	Deputy Director of Bio-Tech Center

## II. Time and Venue

Date	April 23-24, 2026 (Thursday & Friday)
Venue	Building A, Weiguang Life Science Park, Guangming District, Shenzhen, China
Forma	Lecture & workshop
Registration Deadline	April 20, 2026
Participation	In-Person

We sincerely invite you to attend, explore flow cytometry, and shape the future of science.

- Attachments: 1. Agendas  
2. Registration Instructions

Shenzhen Medical Academy of Research and Translation

March 16, 2026



## Attachment1

### Agendas

1<sup>st</sup> Day Lecture (April 23)

Time: April 23, 2026, 08:00-18:00

Venue: Weiguang Life Science Park, Guangming District, Shenzhen, China

Time	Content
08:00 - 09:00	On-site Registration
09:00 - 09:10	Speaker: Liang Shan Affiliation: Shenzhen Medical Academy of Research and Translation Topic: Opening Address
09:10 - 09:40	Speaker: Limin Zheng Affiliation: Sun Yat-sen University Topic: Myeloid Cells and Tissue Microenvironment Remodeling
09:40 - 10:10	Speaker: Liang Shan Affiliation: Shenzhen Medical Academy of Research and Translation Topic: Applications of Humanized Mouse Models in Human Immunology Research
10:10 - 10:40	Speaker: Hanjie Li Affiliation: Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences Topic: Development, Differentiation and Functions of Human Immune Cells
10:40 - 11:10	Coffee Break
11:10 - 11:40	Speaker: Xiaomei Yan Affiliation: Xiamen University Topic: Advancing Extracellular Vesicle Analysis: Nano-Flow Cytometry for Fundamental Research and Biomedical Applications
11:40 - 12:10	Speaker: Lei Zheng Affiliation: Southern Medical University Topic: To Be Determined
12:10 - 12:40	Speaker: Xunbin Wei Affiliation: Peking University Topic: Non-invasive Monitoring by <i>in vivo</i> Flow Cytometry with AI Breaks the Bottleneck of Circulating (Tumor) Cell Detection
12:40 - 14:20	Lunch
14:20 - 14:50	Speaker: Tom O'Neil Affiliation: Westmead Institute for Medical Research Topic: Making the Most of Spatial: Unravelling Immune Interactions in HIV

	Transmission and Crohn's Disease
14:50 - 15:20	Speaker: Henry Hui Affiliation: University of Western Australia Topic: Immuno-flowFISH: Precision Single-Cell Diagnostics for Blood Cancers by Imaging Flow Cytometry
15:20 - 15:50	Speaker: Jingjing Zhao Affiliation: Huazhong University of Science and Technology Topic: Diffractive-Optics-Based Structured Illuminations in Biomedical Microscopy: Imaging Flow Cytometry and Optical Coherence Tomography
15:50 - 16:20	Coffee Break
16:20 - 16:50	Speaker: Rui Gardner Affiliation: Memorial Sloan Kettering Cancer Center Topic: Development of Backbone Panel to Improve Panel Design Efficiency in High Dimensional Flow Cytometry
16:50 - 17:20	Speaker: Xin Maggie Wang Affiliation: Westmead Institute for Medical Research Topic: Integrating Core Facilities into End-to-End Pipelines to Maximise Research Productivity
17:20 - 17:40	Speaker: Wei Cai Affiliation: Cytex Biosciences Topic: Leading the future, Cytex® ecosystem accelerates cutting-edge exploration journey
17:40 - 18:00	Speaker: Chenglin Xiang Affiliation: Bio-Rad Laboratories Topic: High-Dimensional Flow Cytometry Cases Enabled by Novel Spectral-Compatible Dyes

### 2<sup>nd</sup> Day Workshop (April 24)

Time: April 24, 2026, 09:00-18:00

Venue: Weiguang Life Science Park, Guangming District, Shenzhen, China

Time	Content
09:00 - 09:10	Speaker: Yin Haidi Affiliation: Shenzhen Medical Academy of Research and Translation Topic: Introduction to the Bio-Tech Center
09:10 - 10:10	Speaker: Daqian Sun, Qian Wang Affiliation: Shenzhen Medical Academy of Research and Translation, University of Science and Technology of China

	Topic: Spectrum Unmixing Practices and Quality Control
10:10 - 11:10	Speaker: Rui Gardner, Li Zhu Affiliation: Memorial Sloan Kettering Cancer Center, Tongji Hospital Topic: High Dimensional Panel Design
11:10 - 11:30	Coffee Break
11:30 - 12:30	Speaker: Tom O'Neil, Shixin Ma Affiliation: Westmead Institute for Medical Research, Shenzhen Medical Academy of Research and Translation Topic: A Practical Guide to Handling Cytometry Data: End-to-End Analysis Considerations
12:30 - 12:50	Speaker: Ruirui Xiang Affiliation: Agilent Technologies Topic: Spectral Flow Cytometry for High-Dimensional Analysis: Principles, Benefits, and Complex Sample
12:50 - 14:00	Lunch
14:00 - 15:00	Speaker: Henry Hui, Qianqian Feng Affiliation: University of Western Australia, Tsinghua University Topic: From Images to Insight: Harnessing the Power of Imaging Flow Cytometry for Cutting-Edge Applications
15:00 - 16:00	Speaker: Xiaoning Wang, Dechun Cheng Affiliation: National University of Singapore, Shenzhen Bay Laboratory Topic: Cutting-Edge Applications of Nano Flow Cytometry
16:00 - 16:40	Coffee Break and Group Photo
16:40 - 17:40	Speaker: Xin Maggie Wang, Xibin Lu Affiliation: Westmead Institute for Medical Research, Southern University of Science and Technology Topic: Quality Control and Standardisation in Flow Cytometry: Ensuring High-Quality and Reproducible Data
17:40 - 18:00	Speaker: Zhigang Liu Affiliation: Becton Dickinson Bioscience Topic: Development and Application of High-Dimensional Flow Cytometry and the Novel Fluorescent Dyes

## Attachment 2

### Registration Instructions

#### I. Registration

Please fill in your registration information before April 20, 2026 via the website (<https://v.wjx.cn/vm/rsPAMS1.aspx>) or the following QR code.



#### 2. Payment

##### 1. Domestic Payment

WeChat Pay



Alipay



Bank Transfer



##### 2. International Payment

Bank Name: China Merchants Bank Head Office Shenzhen, P.R. China

CNAPS Code: 308584001993

Bank Address: China Merchants Bank Tower No.7088 Shennan Boulevard Shenzhen, China

Receiver Name: SHENZHEN MEDICAL ACADEMY OF RESEARCH AND TRANSLATION

Receiver Account: 755952601110806

Receiver Address: 17F, TOWER A, GUANGMING LIFE SCIENCE PARK, XINHU SUBDISTRICT, GUANGMING, SHENZHEN, CHINA

SWIFT Code: CMBCCNBS

When making payment or transfers, please include the following note: FCM + [Your Full Name] + Organization.

### 3. Registration Fees

Registration Type	Domestic Payment	International Payment
Student	¥800	\$110
Non-student	¥1000	\$150

Early Bird Discount: Participants who complete registration and settle the registration fee on or before April 10, 2026 will be entitled to a 20% discount on the registration fee.

\*Please upload valid documents for review if you are a student.

### 4. Notice

To avoid overcrowding during on-site registration, online payment of the registration fee is strongly recommended.

If you forget to include the invoicing information in the remarks when making payment or fund transfer, please send the payment receipt to [fcs\\_facility@smart.org.cn](mailto:fcs_facility@smart.org.cn) by April 20 after completing the registration payment to apply for invoice issuance.

Please complete the registration and payment before April 20, 2026. Attendees registering on-site will be provided with only the electronic program.

The electronic invoice for the registration fee will be sent to the registered email address within 15 working days after the symposium.

### 5. Refund Policy

A 2% administrative fee will be charged for all refund transactions.

Refund requests submitted after 18:00 (GMT+8) on April 20, 2026 will not be processed.

## III. ACCOMMODATION

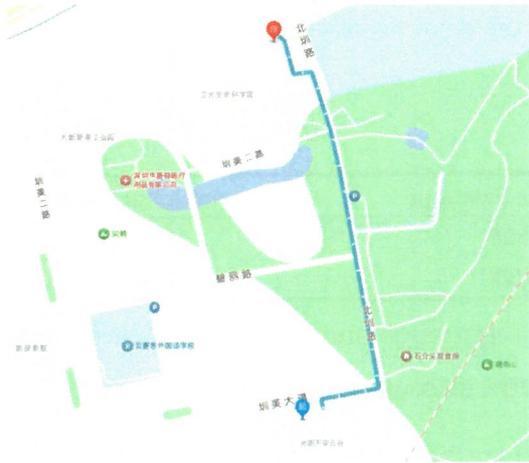
We do not provide centralized accommodation for this conference. Participants can arrange their own accommodation by contacting nearby hotels.

1. EVEN Hotels Shenzhen Guangming Cloud Park, an IHG Hotel.

Address: No.98 Zhenyuan Road, Guangming District, Shenzhen.

The hotel is 900 meters (~4-minute drive or ~13-minute walk) from the conference venue.

Contact: Mr. Zhou, +86-135 0841 8360



## 2. Holiday Inn Express Shenzhen Guangming Cloud Park, an IHG Hotel.

Address: No.98 Zhenyuan Road, Guangming District, Shenzhen.

The hotel is 1kilometers (~4-minute drive or ~14-minute walk) from the conference venue.

Contact: Mr. Zhou, +86-135 0841 8360



## 3. SYSU Academic Villa,Shenzhen Campus

Address: No.66 Gongchang Road, Guangming District, Shenzhen, Guangdong, China, Guangming District, Shenzhen

The hotel is 1.1 kilometers (~5-minute drive or ~ 15-min walk) from the conference venue.

Contact: Mr. Ran, +86-133 3028 2207

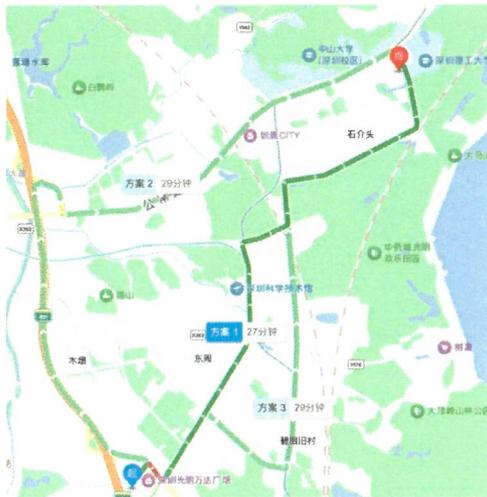


#### 4. Guangming CIMC Executive Apartments Hotel

Address: CIMC Executive Apartments Hotel, Qiaoming Road, Fenghuang Street, Guangming District, Shenzhen

The hotel is 8.4 kilometers (~27-minute drive) from the conference venue.

Contact: Mr. Lu, +86-138 2659 2644



## IV. CONTACT

Conference Organizing Committee Contact: Jie Liu, Xinyi Chen

Tel: 13760450981, 18718204132 (Working Days: 9:00–18:00)

Official Email: [fcs\\_facility@smart.org.cn](mailto:fcs_facility@smart.org.cn)

Official Website: <https://core.smart.org.cn/>

Official WeChat Official Account: Public Technology Center, Shenzhen Medical Academy(Follow us via QR code for the latest conference updates)

