

2026

NEWSLETTER

ISSUE 09

*Breaking Barriers.
Unlocking Possibilities.*

**A Journey
Where
Curiosity
Begins**





FEATURE

Where Future Innovators Begin

The InnoHK Advanced Biomedical Instrumentation Centre (ABIC) officially launched its 2026 Summer Internship Program, welcoming a new cohort of approximately 50 high-caliber students from leading universities worldwide, including Stanford, Cambridge, Oxford, Imperial College London, HKU, CUHK, and HKUST, to engage in immersive training in biomedical innovation and translational research.

The 2026 Summer Internship Opening Ceremony was officiated by Professor Anderson Shum, Founding Centre Director and Co-Director of ABIC. The event was honored by distinguished guests, including Ms. Winnie Chan, Assistant Commissioner for Innovation and Technology (ITC) and Ms. Fanny Wong, Chief Talent Officer at HKSTP.

Their steadfast support reflects a mutual commitment to cultivating specialized talent and reinforcing Hong Kong, China's standing as an international hub for biomedical excellence. ABIC extends its sincere gratitude to these partners for driving the continuous success of the internship initiative since its launch in 2024.

Shared Commitment to Excellence

A key highlight of the proceedings was the Intern Sharing Session, during which participants articulated their anticipations regarding experiential research, clinical-translational mentorship, personal growth and professional development at ABIC, offering valuable insights to the incoming cohort. Attendees were also presented with a retrospective video showcasing milestones from the 2024-2026 ABIC Internship cycles, celebrating the Centre's achievements in nurturing future biomedical innovators.



Beyond the Lab

“A discovery becomes truly meaningful when it leaves the lab and begins its journey”

As part of ABIC 2026 Summer Internship Program, our delegation of global interns participated in an immersive Greater Bay Area (GBA) Study Tour to Guangzhou on 30 July 2026, gaining first-hand exposure to the region's dynamic biomedical innovation landscape.

Innovation Beyond Campus

The delegation visited XiangKang Medical, a leading integrated Contract Research Organization (CRO), Contract Development Organization (CDO), and Contract Manufacturing Organization (CMO) platform. The company specializes in medical device research, registration, and manufacturing. Through in-depth technical exchanges with industry experts, the interns gained valuable insights into the complete medical product pipeline and lifecycle management.

The program continued with site visit to Guangdong Medical Valley (GDMV), one of China's world-class biomedical clusters and investment incubation platforms for >400 biotechnology enterprises. Within the hub, the delegation toured an incubated biopharmaceutical enterprise, Runsheng Cell Medicine Technology (RCMT), which specializes in personalized cancer vaccines and T-cell immunotherapies.

Preparing Future Innovators

Interns gained valuable technical exposure to translational research and advanced precision medicine modalities supporting clinical applications. The interns also analyzed how pharmaceutical logistics, venture capital, industrial incubation, technology transfer, and strategic alliances synergistically accelerate the translation of scientific discoveries into clinical healthcare solutions.



ABIC extends its sincere gratitude to XiangKang Medical, GDMV, and RCMT for their hospitality and knowledge sharing. The Centre looks forward to nurturing and equipping the next generation of global biomedical innovators with industry competencies, while strengthening high-impact collaboration and innovation across the Greater Bay Area and beyond.



IRSHAD Haseeb
University of Cambridge

"At ABIC, I worked on neural speech decoding and biomechanical motion tracking. Analyzing these complex neural and kinematic datasets showed me how computational tools can advance neurotechnology toward clinical applications.

What stood out most was the high degree of autonomy. Driving my own research was empowering and deeply rewarding. I leave with greater confidence as an independent researcher and lasting connections made throughout the summer."



AU Tsz Chun Namson
Imperial College London

"The hands-on experience of working in the laboratory and collaborating with colleagues who share similar scientific interests at ABIC has been truly invaluable. I was thoroughly impressed by ABIC's streamlined approach, which takes research from laboratory experiments to the publication of meaningful findings and, ultimately, the commercialization of patents and products.

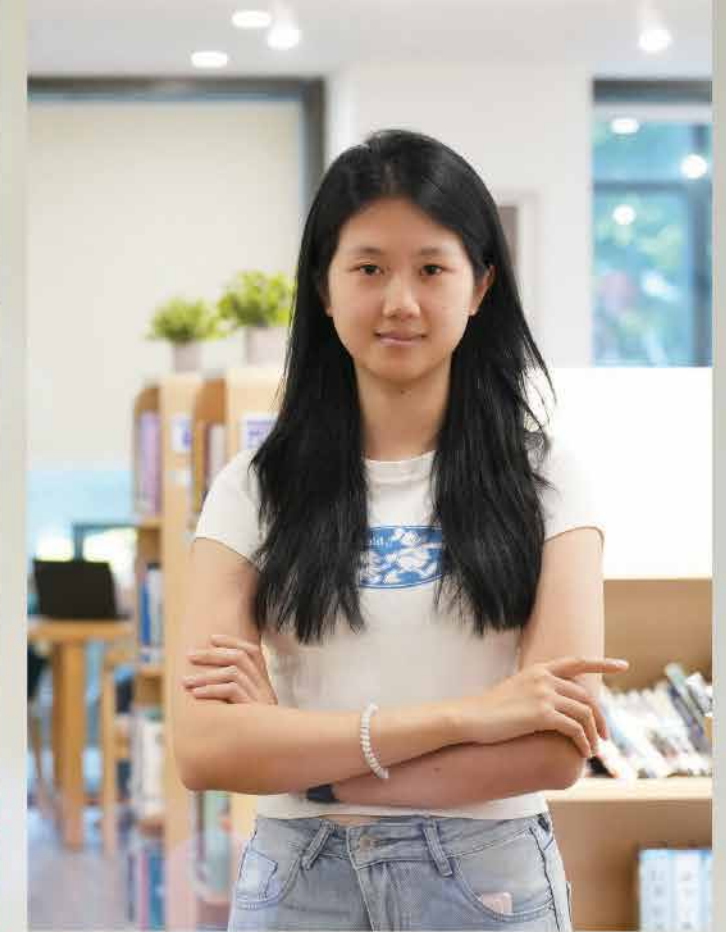
This process was very different from the primarily research-focused laboratory work I had experienced at university. The opportunity was eye-opening, and engaging with colleagues who shared similar interests made the experience especially rewarding."



VERMINSHU Britney Alexandra
The Chinese University of Hong Kong

"This summer at ABIC, I explored speech decoding from intracranial neural recordings of brain activity, working to reconstruct audible speech by evaluating and improving regression models.

Throughout the internship, I came to appreciate how central clinical translation is to this field, as well as the importance of communicating one's research clearly to others. Equally meaningful were the connections I built in ABIC over the summer, with people who share a passion for biomedical solutions that improve quality of life around the world."



LI Wangyi Charlotte
The University of Hong Kong

"My summer at ABIC was incredibly fruitful and inspiring. I was surprised by how genuinely caring and approachable everyone at ABIC was. This warm, inclusive atmosphere gave me the courage to ask bold questions and take ownership of my projects.

Beyond the lab bench, ABIC's extensive network across various directions also opened doors to my future career path. Through company visits and conferences, I had the rare opportunity to learn from professionals in fields as diverse as Brain-Computer Interfaces, Microfluidics, and Healthcare Venture Capital. This not only broadened my perspective of the industrial side but also helped me piece together my own professional path."

*Voices of
Science Future:*

WHERE CURIOSITY FINDS ITS PURPOSE

Reflections from ABIC Summer Interns 2026



DANG ThanhVan Christine
Stanford University

"My internship with ABIC has been priceless. Hands-on experience in more electrical engineering-based projects and other unexplored disciplines has expanded my technical versatility, while working in the lab has strengthened my independence and technical communication skills.

Beyond the engineering knowledge, the highlight has been the people. Building lasting friendships with peers from Hong Kong and around the world has made this experience truly special. I am deeply grateful for the connections and skills I will carry forward into my career."

51st International Exhibition of Inventions Geneva



ABIC Clinches Special Grand Prize and 3 Gold Medals with Congratulations of the Jury at IEIG 2026

◆ Gold Medal with Congratulations of the Jury

Universal Droplet Robotics for Digital Diagnostics

A universal droplet robotic platform powered by electret-induced polarization, enabling fast, precise, and automated control of diverse liquids for digital diagnostics.

- Prof. Anderson Ho Cheung Shum, ABIC Founding Centre Director and Co-Director
- Dr. Ruotong Zhang, Postdoctoral Fellow
- Dr. Zheqi Chen, Product Development Scientist



◆ Gold Medal with Congratulations of the Jury

Rhythma: A Rapid and Quantitative Biochemical Hormone Monitor for Mobile and Smart-Devices

A plug-and-play, digital stress monitor for human health and well-being. The device tracks cortisol levels from saliva with laboratory-grade accuracy.

- Prof. Julian A. Tanner, HKU LKS Faculty of Medicine
- Dr. William Whitehouse, Postdoctoral Fellow
- Dr. Lin Wang, Postdoctoral Fellow



In a full sweep of the exhibition's highest distinctions across InnoHK ABIC's three breakthrough projects, one innovation was awarded the "Special Grand Prize - Prize of the Chinese Delegation"; while all three entries were each conferred "Gold Medals with Congratulations of the Jury" at the 51st International Exhibition of Inventions Geneva (IEIG), held in Switzerland from 11-15 March 2026.

These across-the-board accolades highlight ABIC's profound scientific merits and rigorous commitment to bridging the gap between sophisticated laboratory research and clinical application, further solidifying Hong Kong, China's standing as a preeminent hub for world-class I&T leadership.

◆ Special Grand Prize - Prize of the Chinese Delegation

◆ Gold Medal with Jury Congratulations

Nose-to-Brain NanoPowder Nasal Spray for Rapid Ischemic Stroke Rescue

A portable, rapid first aid for ischemic stroke: the Nanopowder Nasal Spray that delivers lifesaving neuroprotectants within minutes to the brain.



- Prof. Aviva Shing Fung Chow, Department of Pharmacology and Pharmacy, HKU LKS Faculty of Medicine
- Dr. Zitong Shao, Postdoctoral Fellow
- Ms. Jocelyn Jiahui Deng, Research Assistant
- Ms. Winnie Yinjie Zhou, Research Associate



Congratulations to our researchers and PIs for their recognized dedication to elevating the region's international prominence and supporting the vital development of the nation's biomedical innovation ecosystem.

BREAKING THE WALL

When Great Minds Meet

Great science flourishes when ideas travel across disciplines, institutions, and borders.

On 11 August 2026, a special [ABIC InfoTalk Session](#) united distinguished international scientists and research community for an afternoon of dynamic knowledge exchange. Spanning from 3D spatial omics to engineered approaches for T-cell expansion, the dialogues highlighted how fundamental discoveries pave new pathways for translational biomedical innovation.

Mapping the Complexity of Life

The session featured Prof. Etsuo Susaki, Head of Department of Biochemistry and Systems Biomedicine at Juntendo University Graduate School of Medicine, sharing his latest work on "Cellomics and 3D Spatial Omics: Diving into Multicellular Systems and Medical Applications". His research highlighted emerging approaches for examining multicellular systems with greater spatial and cellular resolution, offering new perspectives on biological organization and potential clinical applications.

Engineering Possibilities for Immunotherapy

The program also welcomed Prof. David J. Mooney, Robert P. Pinkas Family Professor of Bioengineering at Harvard SEAS and Core Faculty Member at Wyss Institute. He shared insights into "Artificial Antigen Presenting Cells for T Cell Expansion", drawing on his pioneering research across biomaterials, drug delivery, tissue engineering, and immunoengineering.

Special thanks to Prof. Susaki; Prof. Mooney; Prof. David Weitz, Mallinckrodt Professor of Physics and Applied Physics at Harvard University; Prof. Anderson Shum, Founding Centre Director and Co-Director of ABIC; Prof. Paddy Chan, Managing Director and Centre Co-Director of ABIC; and all global scientific leaders for their valuable support to this inspiring exchange. The breadth of discussions reflects the Centre's commitment to fostering an open, collaborative research ecosystem, creating new avenues for medical breakthroughs that enhance patient care.

**“ Possibilities often open
when disciplines intersect,
to redefine seemingly
unbreakable barriers ”**

