



Advanced Biomedical
Instrumentation Centre

先進生物醫學儀器中心

Biomedical Entrepreneurship Salon

Fill in registration form for application and business matching:
<https://forms.office.com/r/QZ0nCSRmim?origin=lprLink>









π 創新科技署
Innovation and Technology Commission



Theme	Biomedical Entrepreneurship Salon	
Date	<ul style="list-style-type: none"> 10 July 2025 	
Venue	<ul style="list-style-type: none"> INNO2, 2/F, Building 17W, Hong Kong Science & Technology Park 	
Participants	1) Science professionals	<ul style="list-style-type: none"> - HKU Medical School - Researchers from potential collaborators
	2. Business professionals	-Investors in biomedical industry
		- Students (business school, top university EMBA)
		- Experts from the financial, pharmaceutical, and medical device industries
	3. Global interns	Interns from top 100 global universities

Biomedical Entrepreneurship Salon

	Tentative Schedule	
12:45 pm	Registration	
1:00 pm	Welcome speech by Prof. Anderson Shum, Founding Centre Director and Co-Director	
1:07 pm	Opening speech by guest honors	
1:10 pm	Global Interns representatives sharing	
1:20 pm	Group photos	
1:30pm	Track 1 ( MFH2, Inno2) ABIC spin-off showcases <ul style="list-style-type: none"> Upgrade Biopolymers Microdiagnostics Inhalixir Limited 	 11-12/F, ABIC Laboratory Premium Lab Tour
2:00 pm	Track 1 ( MFH2, Inno2) ABIC spin-off showcases <ul style="list-style-type: none"> Lifespectrum Technology Limited AxileLife Limited Precision BioAnalytics Limited Light-activated hydrogel (LAH) 	Track 2 ( Studio, Inno2) Project presentations <ul style="list-style-type: none"> Single cell interaction screening platform Oral self-driving nanorobot for colon cancer therapy Breast milk analysis and management platform Intracoronary diagnosis system with directly printed catheters
2:30 pm	Networking Break	
2:40 pm	Track 1 ( MFH2, Inno2) ABIC spin-off showcases <ul style="list-style-type: none"> Brainsmart Technology Limited EasePhys Brain Research Centre Limited Monexus Innovation 	Track 2 ( Studio, Inno2) Project presentations <ul style="list-style-type: none"> Single cell interaction screening platform Oral self-driving nanorobot for colon cancer therapy Breast milk analysis and management platform Intracoronary diagnosis system with directly printed catheters
3:40 pm	1:1 Business matching session (by invitation or appointment)	1:1 Projects collaboration meeting (by invitation or appointment)
4:30 pm	End	

Projects presentations

Project #1

Single cell interaction screening platform

A single cell interaction-based platform for high-throughput and large-scale drug/antibody screening

Project #2

Oral self-driving nanorobot for colon cancer therapy

All-natural, cost-efficient and self-driving nanorobot to achieve precise and rapid colon cancer therapy

Project #3

Breast milk analysis and management platform

A real-time system that quantifies milk components to address nutritional imbalances and contamination risks

Project #4

Intracoronary diagnosis system with directly printed catheters

A flexible and scalable nano-printed optical catheters for intracoronary imaging system to improve imaging quality

Upgrade Biopolymers Limited



Pioneering sustainable materials for a healthier planet.

Upgrade Biopolymers Limited is a cutting-edge startup operating at the intersection of sustainability, health, and innovation. Our mission is to revolutionize materials science by harnessing the power of biopolymers derived from natural and food resources. Here are the key points:

- **Sector and Main Product:** creating sustainable alternatives for the food, personal care, and cosmetic industries.
- **Unique Selling Points and Patent:** explore novel food protein sources to enhance our materials
- **Potential Applications and Business Partners:** Food Packaging, Biodegradable Medical Devices, Biodegradable Medical Devices etc
- **Target Markets:** By providing eco-conscious alternatives, we empower businesses to make responsible choices.

Microdiagnostics Limited

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Rapid, accurate and automated animal disease diagnostics using cutting edge microfluidic technology

MICRODIAGNOSTICS LIMITED focuses on employing cutting edge microfluidic technologies to realize high throughput and automated detection of animal diseases. We provide comprehensive solutions for large-scale animal disease immunoassay, including bio-instrument, specialize reagents and consumables.

Inhalixir Limited



Inhalixir
A FRESH BREATH OF NUTRITION

Respiratory wellness through innovative inhaled supplements



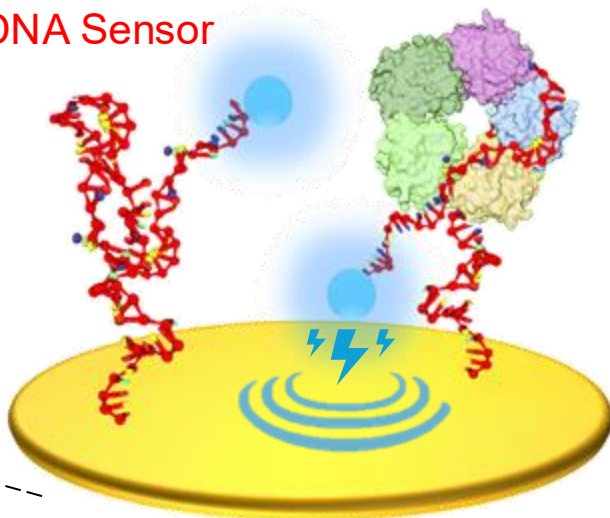
Inhalixir Limited is revolutionizing respiratory wellness with innovative inhaled supplements designed to enhance lung health and boost immunity, addressing the shortcomings of traditional oral supplements. Our proprietary spray drying technology, guided by Quality by Design (QbD) principles, creates precisely sized inhalable powders for optimal lung delivery. By filling a critical market gap, Inhalixir sets a new standard in respiratory health, making effective and accessible wellness solutions a reality.

Lifespectrum Technology Limited



- ✓ Drugs (mAb, weight-loss peptide, small molecules...)
- ✓ Hormones
- ✓ Toxins
- ✓

DNA Sensor

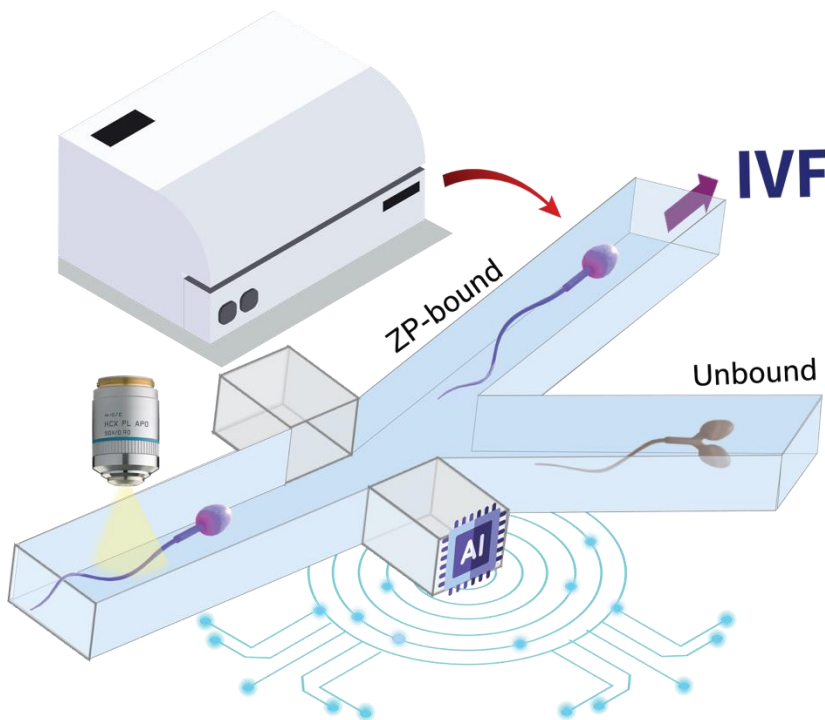


Effortless Biomarker Detection, Anywhere

檢測走出醫院，健康走進家庭

Current biologics therapies often fall short due to improper dosing, leading to reduced efficacy and patient harm because of slow, lab-based testing. Lifespectrum Technology is revolutionizing biologics treatment with our mobile phone-based digital health monitoring devices. This enables optimized, real-time dosing decisions, significantly improving patient outcomes in a multi-billion dollar biologics market, where no dominant rapid monitoring solution currently exists. Our vision is 'Effortless Biomarker Detection, Anywhere,' starting by transforming health monitoring at home.

AxileLife Limited



AxileLife Limited is pioneering AI-driven live sperm morphology analysis and microfluidic sperm sorting to transform fertility care. By integrating ultrafast cellular imaging, artificial intelligence, and microfluidics, AxileLife provides a complete fertility optimization platform that enhances assisted reproductive technology (ART) success rates with precision sperm selection.

Key Innovations:

- **Ultrafast Imaging:** A proprietary ultrafast, label-free imaging technique for high-resolution, real-time sperm morphology analysis.
- **AI-Powered Analysis:** A foundation AI model built on large-scale live sperm imaging data for precise sperm evaluation.
- **Microfluidic Sperm Sorting:** Automated, non-invasive sperm selection for direct use in ART, optimizing fertilization outcomes.

AxileLife collaborates with major hospitals, including Queen Mary Hospital and HKU-Shenzhen Hospital, to expand its imaging dataset and accelerate AI model development. Our vision is to set a new standard in reproductive medicine, reducing treatment burdens and increasing pregnancy success rates through cutting-edge fertility technology.

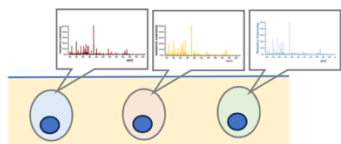
Precision BioAnalytics Limited

Biomedical
Entrepreneurship
Salon



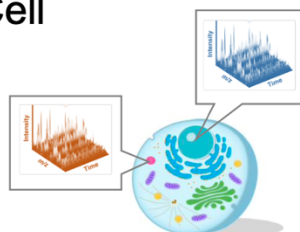
**Precision
BioAnalytics**

Single Cell



Metabolomics-based
Flow Cytometry (CyESI)

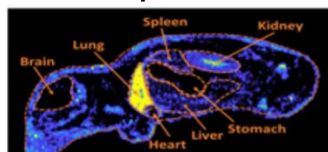
1000X+ Throughput



Single Cell
Metabolomics

**Subcellular
metabolomic profiling**

Spatial



Mass Spec Imaging for Spatial
Metabolomics & Multiomics
(PicoDESI-MSI)

**Single cell resolution
with superior sensitivity**

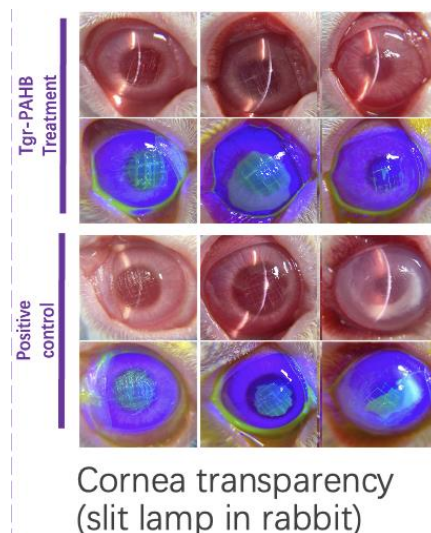
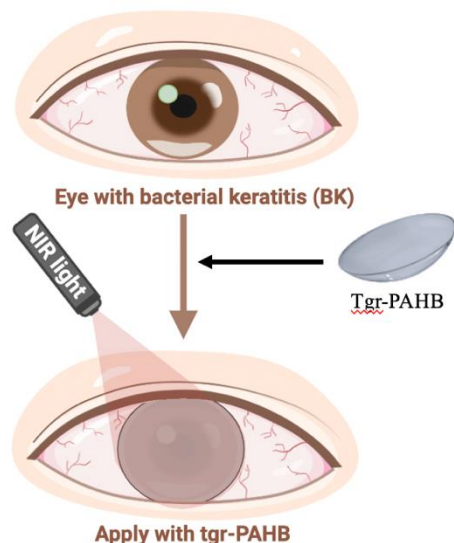
Next-Generation multiomics tool company that builds metabolomics- focused product portfolio to unlock the power of big data in cell modeling

Precision BioAnalytics, formed by a team of experienced business leaders and entrepreneurs from both the US and China, is uniquely positioned to create the first metabolomics-focused tool company in the global multiomics space, to leverage both advancement in data analytics (using AI/ML) for complex metabolomics data and increasing sensitivity and resolution of instrumentation engineering. We are creating a new set of tools to fully unlock a new market for cell analysis and multiomics opportunities, driving tremendous scientific value and favorable commercial outcomes.

Light-activated hydrogel (LAH)

Light-activated hydrogel (LAH) for the treatment of diseases at the ocular surface

The project focuses on a near-infrared sensitive hydrogel material designed to treat various ocular conditions, including dry eye, eye-infections, pterygium and eye cancers. LAH safely-releases heat, antibacterial, and anticancer agents when exposed to near-infrared irradiation, offering a biosafe and broad- spectrum solution against-bacteria and abnormal growing cells. This multi-functional bandage is specifically tailored for addressing ocular diseases.



Brainsmart Technology Limited



Brainsmart

The company develops next generation minimally invasive BCI devices based on the research work done in the centre

Brainsmart Technology Limited is a brain-computer interface (BCI) company focusing on neural probe fabrication, implantation and signal decoding. We have developed our own large area conformal ECoG sensors, neural probes, and the corresponding minimally invasive implantation approach.

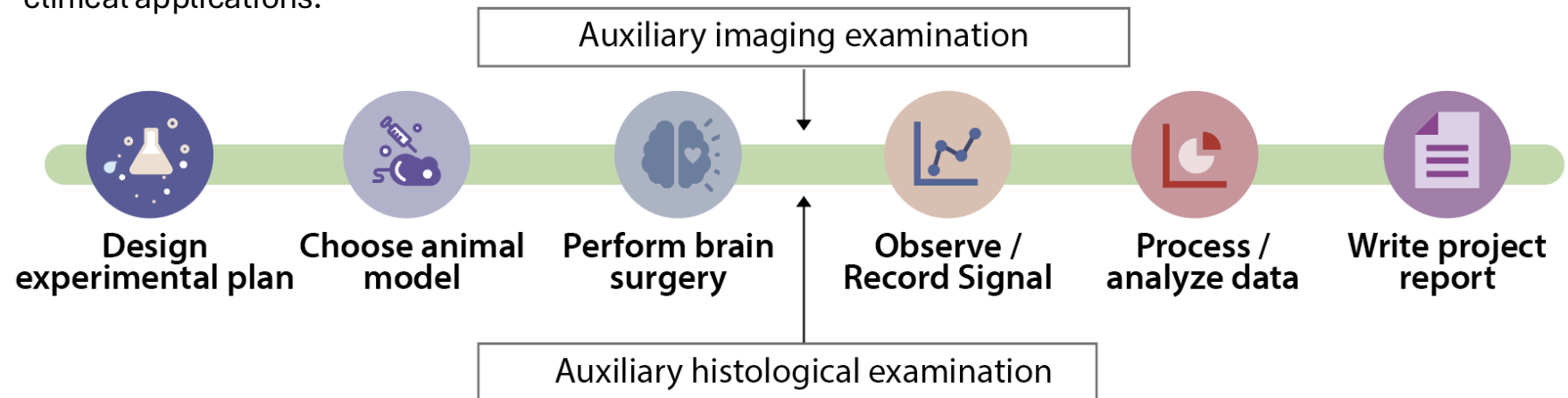
EasePhys Brain Research Centre Limited

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One-stop pre-clinical animal electrophysiological testing platform for Brain-computer interface

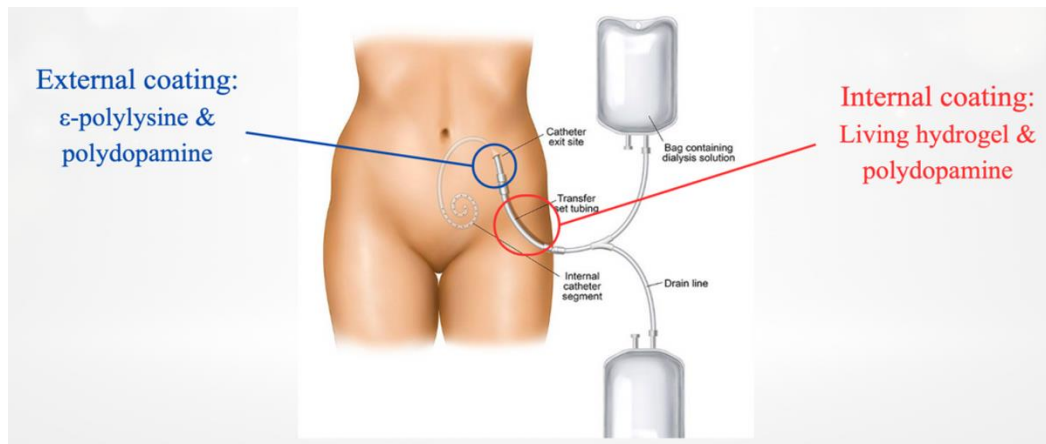
EasePhys is a CRO company dedicated to preclinical animal electrophysiology testing services and data service. Our multidisciplinary expert team comprises scientists, engineers, and doctors from renowned institutions, including The University of Hong Kong, City University of Hong Kong, and other leading organizations worldwide. With our high-standard electrophysiology platform and advanced lab equipment, we are committed to providing professional, comprehensive, one-stop medical device evaluation, data acquisition, and processing services and database service tailored for clients in brain-computer interface (BCI) and artificial intelligence (AI) research. Our mission is to facilitate the development of the BCI and AI technology industry and accelerating the transformation of clinical applications.



Monexus Innovation

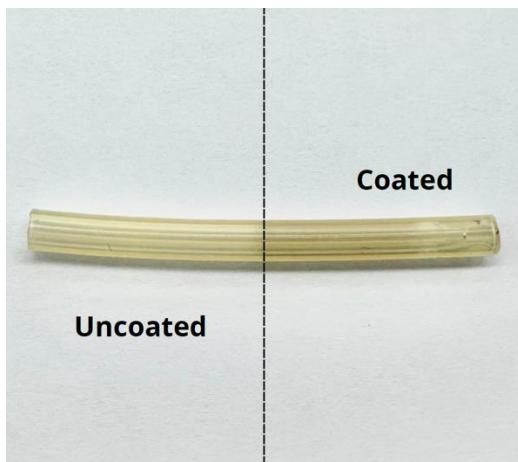
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Monexus



Monexus Innovation aims to harness the power of microorganisms to enhance human health and well-being in everyday life

Monexus Innovation is working on to apply an internal coating made of layer of living hydrogel formed by a bacteria named *Komagataeibacter rhaeticus* and an external coating made of ε-Polylysine on catheter (Polydopamine as an adhesive agent). This dual-coating is antimicrobial, antibiofilm, antiadhesive and biocompatible. Our first stage is to develop this dual-coating on the peritoneal dialysis catheter.



Enquiry

- For general enquiry:
 - Ms Gloria Lam (Publicity Manager) glorialam@abic.hk / 39103956
- For collaboration, business matching session:
 - Mr Kentman Chan (Research Director) kentman.chan@abic.hk

- Registration:

<https://forms.office.com/r/QZ0nCSRmim>

