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# Hong Kong Science Park Biotech Cluster Development

# Development in the last 10 years



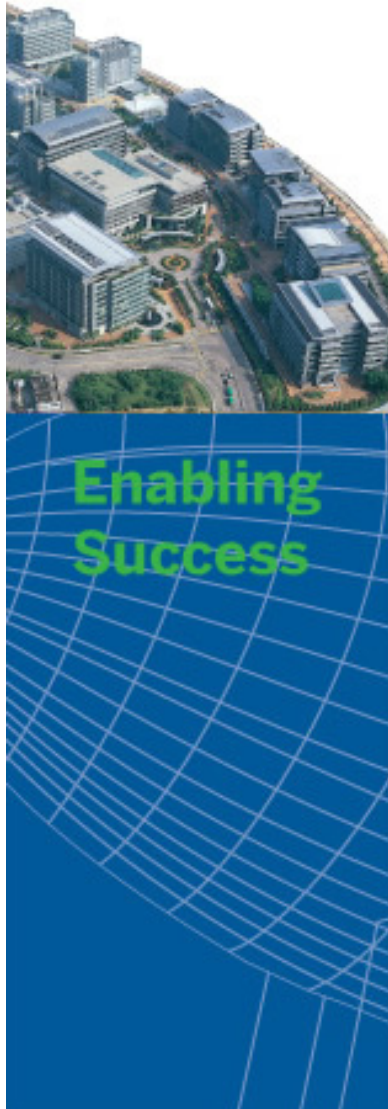
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- Formation of ASTRI and R&D Centres (Applied Science & Technology Research Institute)
- Formation of HKJCICM (Hong Kong Jockey Club Institution of Chinese Medicine)
- Creation of HKSTP (Hong Kong Science & Technology Parks Corporation)
- Availability of innovation and technology matching grant
- Changing in immigration laws to attract qualified professionals from mainland China
- CEPA since 1/2004

# Bio-medical R&D in Hong Kong

- Clinical trials on new drugs conducted at accredited hospitals in Hong Kong are accepted by the SFDA.
- 100+ drugs trials conducted yearly in Hong Kong
- **250+ biotechnology and healthcare related companies** (pharmaceuticals, medicinal or healthcare products of traditional Chinese medicine (TCM) origin, and medical devices and diagnostics).
- Amongst them, **70 companies**, some with substantial mainland China business background, are listed in the Hong Kong Stock Exchange and Growth Enterprise Market, with a total market capitalization above **HK\$94 billion**

*Source: Innovation and Technology Commission (ITC), Aug 2007*





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# Hong Kong Universities

THE TIMES  
**HIGHER**  
EDUCATION SUPPLEMENT

07 October 2009

Times Higher Education-QS World University Rankings 2009  
**TOP 200 WORLD UNIVERSITIES**



23	22	King's College London
24	26	University of Hong Kong
25	25	Kyoto University
26	29	University of Manchester

The University of Hong Kong

193=	192=	University of Bern
193=	170=	Indiana University Bloomington
195	224	Hong Kong Polytechnic University
196=	177=	University of Leicester

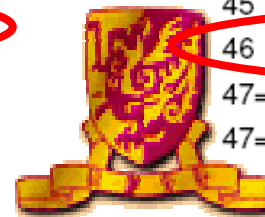
THE HONG KONG  
**POLYTECHNIC UNIVERSITY**  
香港理工大學



香港科技大學

THE HONG KONG UNIVERSITY OF  
SCIENCE AND TECHNOLOGY

32=	33	Northwestern University
34	32	University of Bristol
35	39	Hong Kong University of Science and Technology
36=	34=	Ecole Polytechnique



The Chinese University of Hong Kong

45	47	Monash University
46	42	Chinese University of Hong Kong
47=	45	University of New South Wales
47=	50=	Seoul National University

122=	147=	Freiburg University
122=	122=	University of Maryland, College Park
124	147=	City University of Hong Kong
125	124=	University of Otago



香港城市大學

City University of Hong Kong



香港浸會大學

HONG KONG BAPTIST UNIVERSITY

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# Science Graduates from Hong Kong's Universities



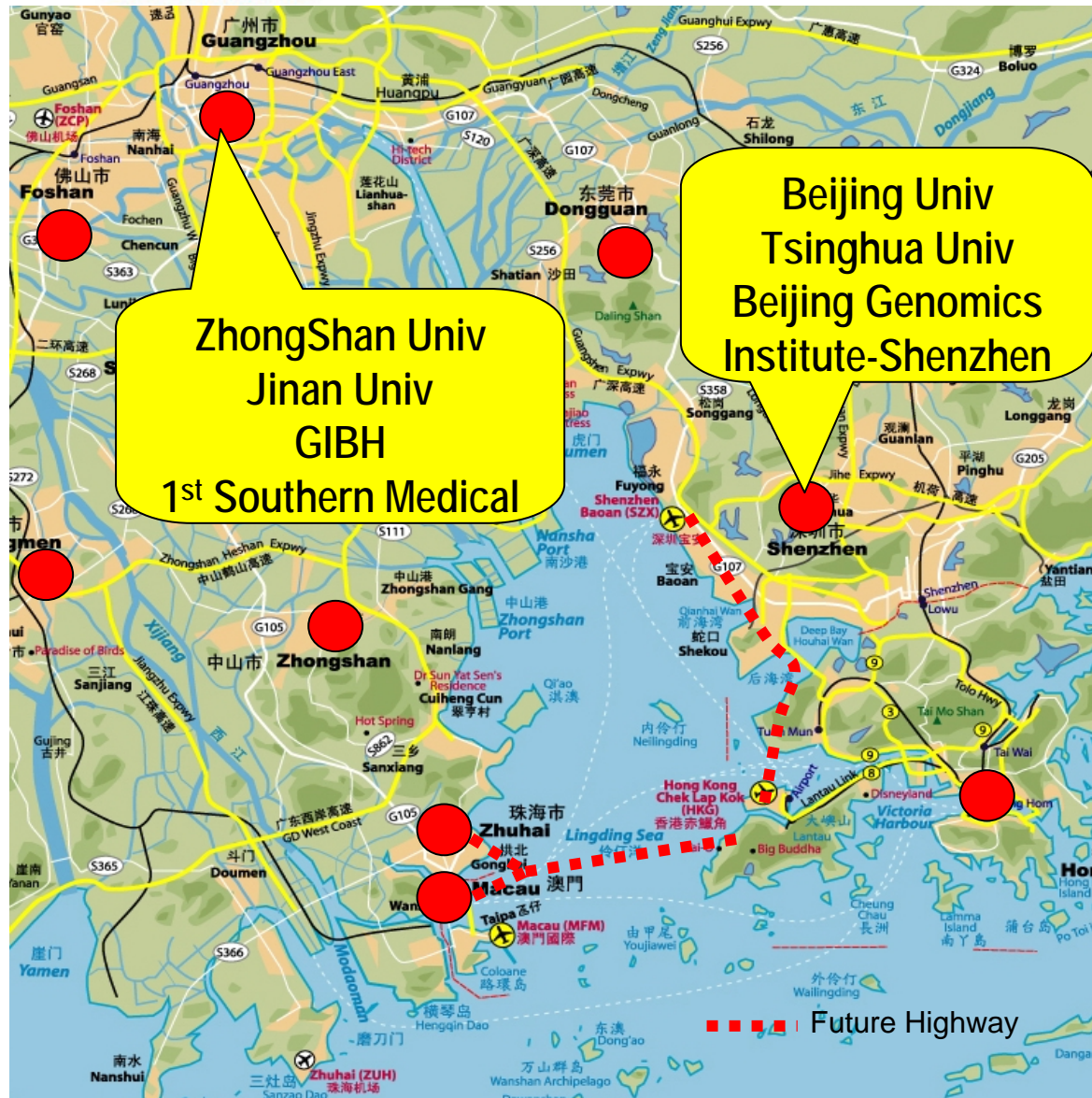
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	HKU (24)	CUHK (46)	UST (35)	CityU (124)	PolyU (195)	BU	Total
Medical	259	217	-	-	-	1	477
Dental	54	-	-	-	-	-	54
Medical & Health	118	169	-	-	613	35	935
Biology Science	200	250	183	50	22	56	761
Natural Science	229	217	223	174	160	150	1,153
	860	853	406	224	795	242	3,380



# The Greater Pearl River Delta Region

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## HK-Shenzhen

- 15M Inhabitants
- 8+3 universities
- 2 Science Parks
- 1 international Airport
- 1 Regional Airport

## Greater PRD

- 53M Inhabitants
- 8+5 universities
- 68 Colleges
- 6 Science Parks
- 3 international Airports
- 3 Regional Airports



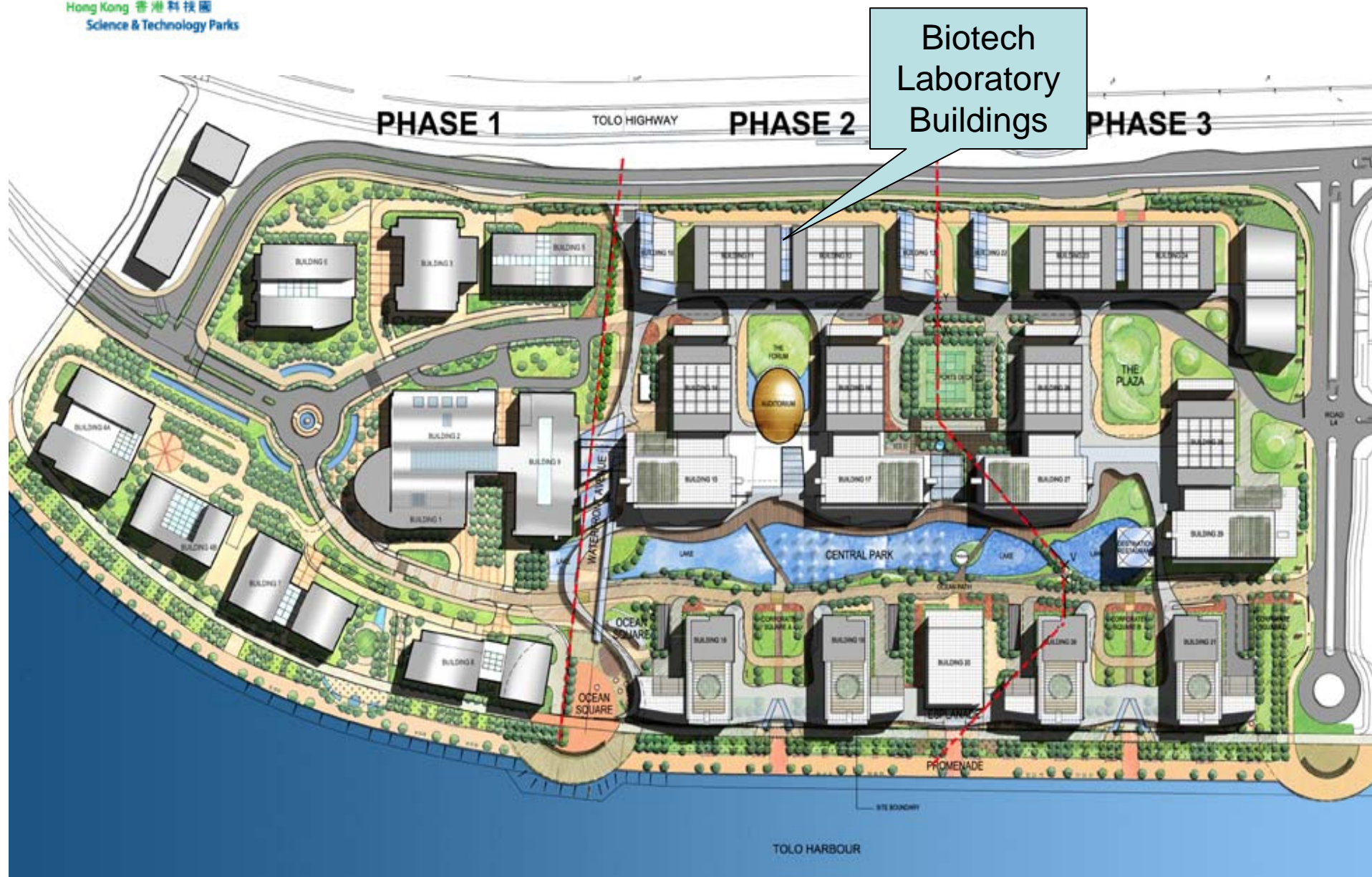


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# Master Layout Plan



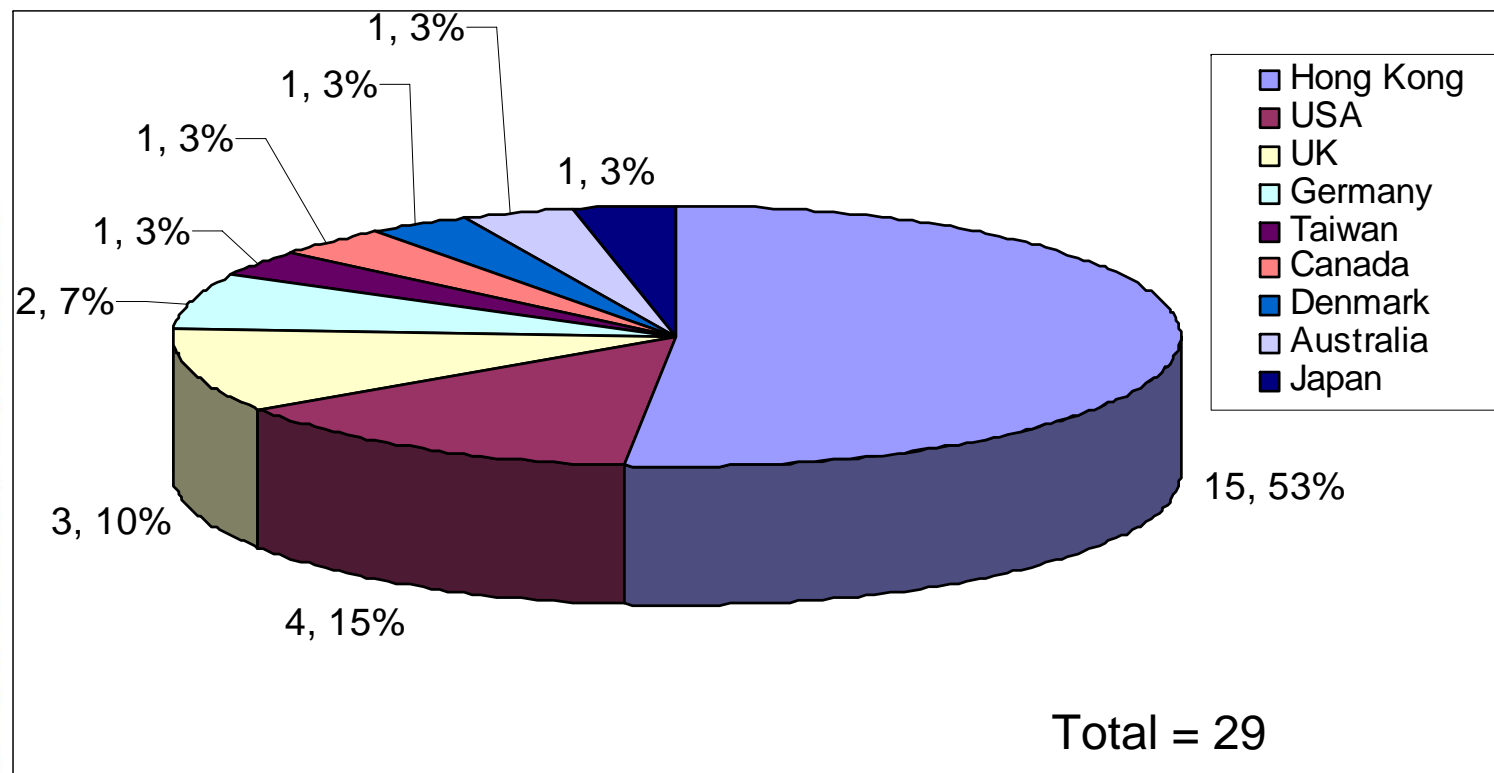
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# Biotech Companies by Country of Origin

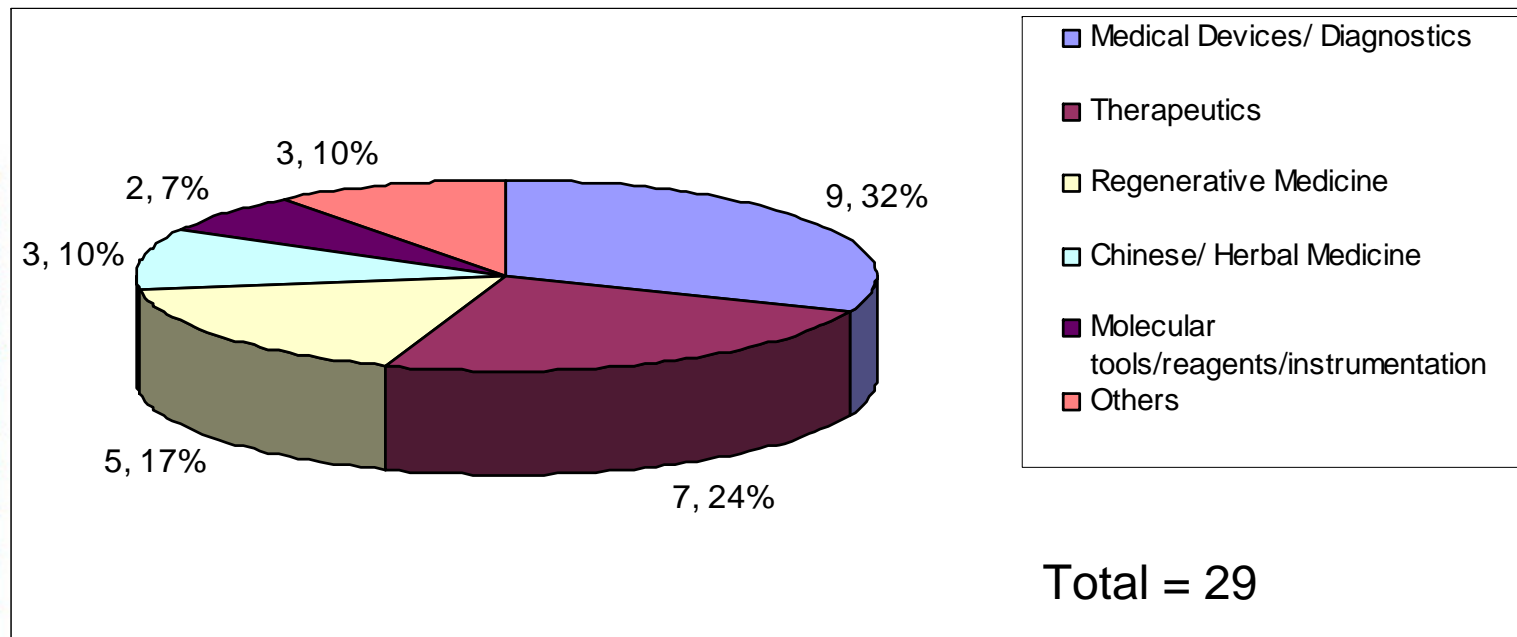


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# Biotech Companies by Tech Focus



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# Two Biotech Buildings

- Lettable area available for lease: about 200,000 sq ft.
- With upgraded power supply capacity and various research-related utilities.
- Each rental unit is provided with individual air-handling unit.



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# Biotech Ctr Opening -- MOU with Pfizer

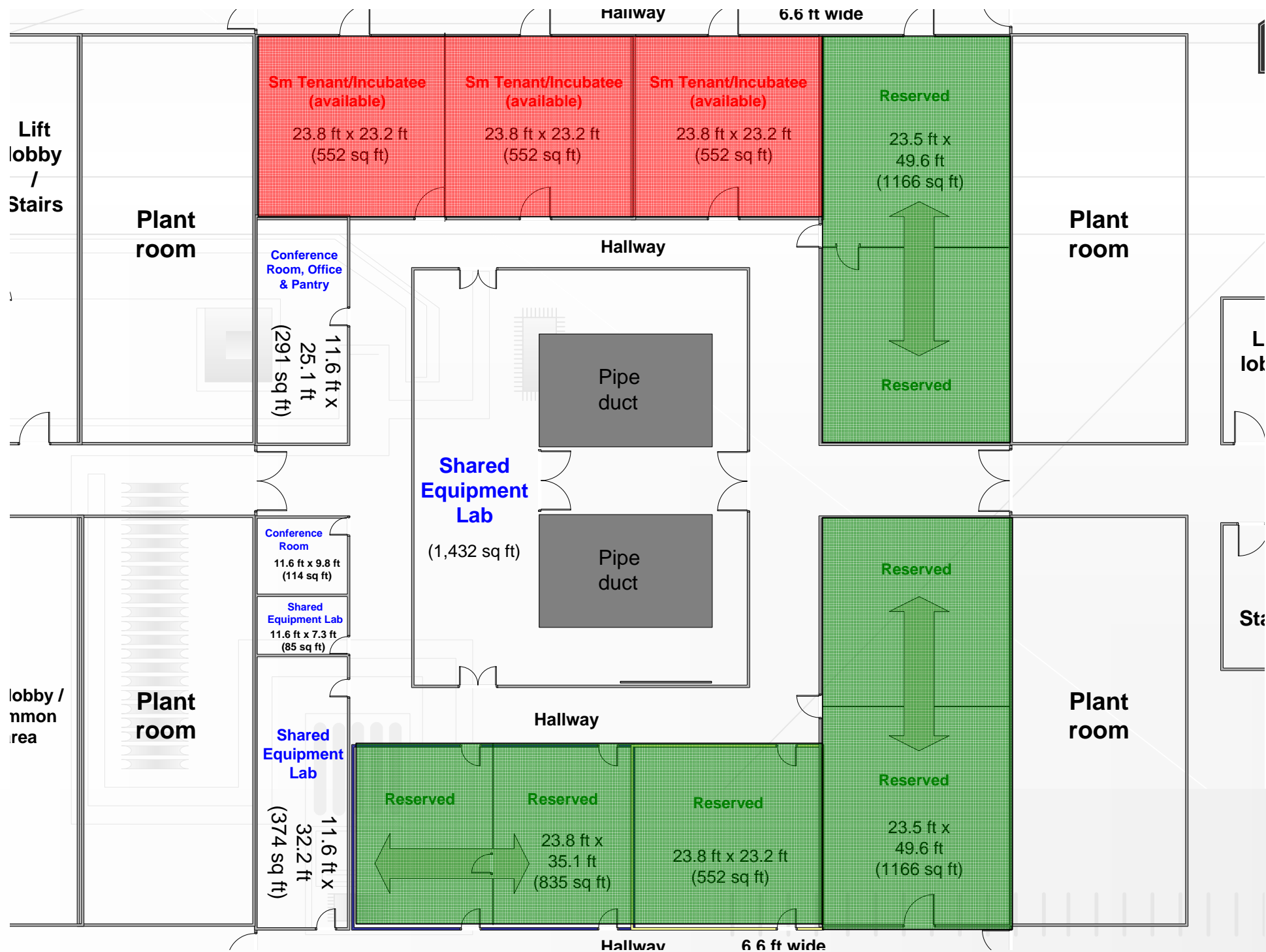


- Hong Kong (April 23, 2009) – Hong Kong Science and Technology Parks Corporation (HKSTP) has reinforced its commitment to the biotechnology industry with the opening of a dedicated Biotech Centre. The initiative was accompanied by the launch of a Life Science Acceleration Programme (LAP) jointly with Hong Kong's Innovation and Technology Commission (ITC), and the signing of a Memorandum of Understanding (MOU) with leading global pharmaceuticals company Pfizer, Inc.

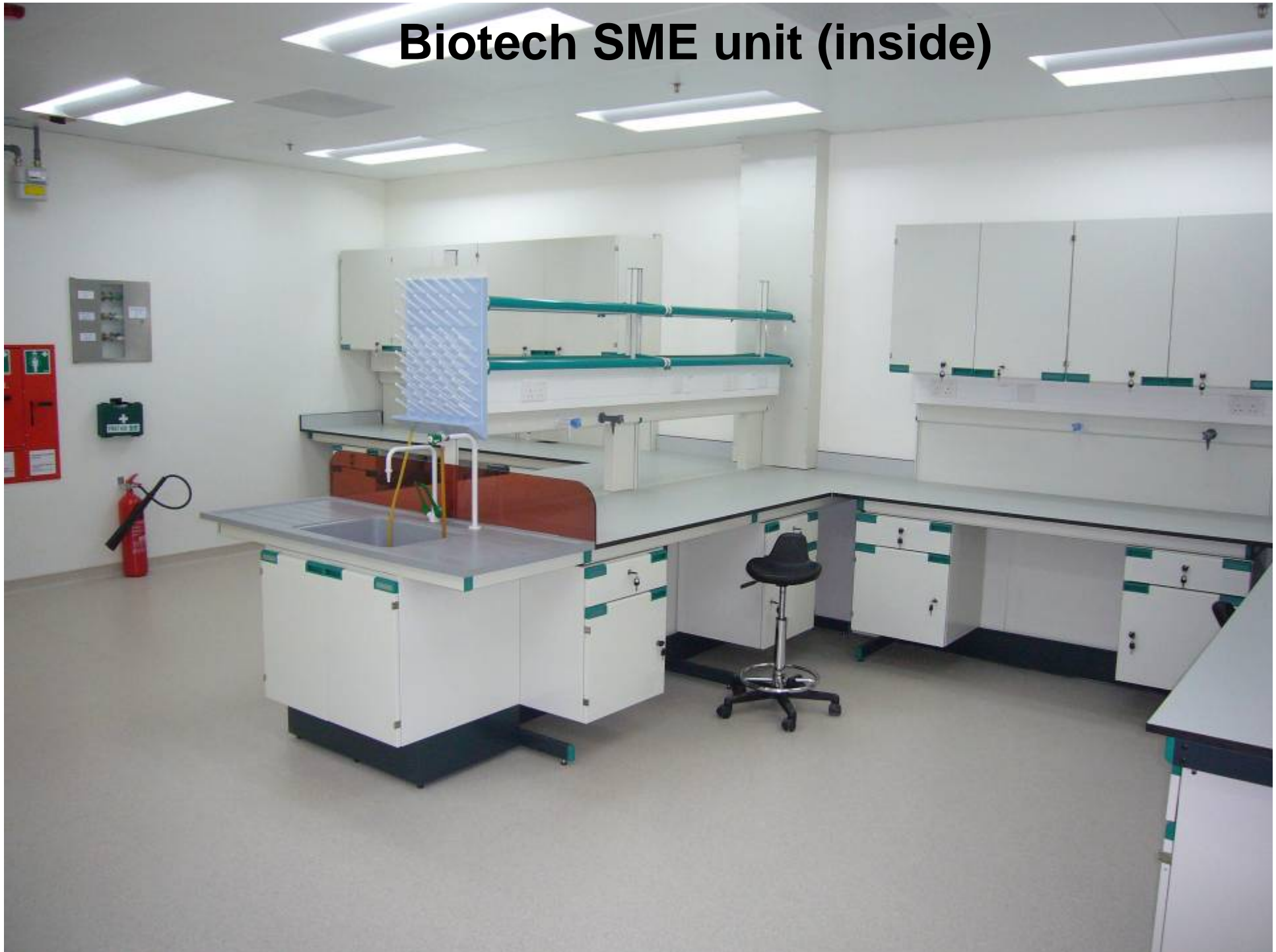


# Biotech SME Centre





## Biotech SME unit (inside)





# Shared Equipment Laboratory



# Cell Culture room







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# Utility room





# Life Science Acceleration Programme



## Objective:

- To support resource constrained life science projects through the developmental phase. We offer a comprehensive commercialization programme to create greater opportunity and accelerate these projects to the “venture capital ready” stage.



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Potential Benefit  
**HK\$9.3M**



# 4-Year Incubation Program

- Full service not-for-profit incubator
- Help technology start-ups initial/product development stage
- Extensive Support
  - Management & Technical Support
  - University and Industry Collaboration
  - Promotion & Development Assistance
  - Access to world class laboratories
  - Network with Angels and Venture Capital
- Financial Subsidies



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# Exchange@Science Park

**Aims:** To provide a platform for the technology community to come together, for individual to make new friends and catch up with old ones, for idea exchange of the oncoming activities and to foster the growth of the community as a whole.

## Topics in the past:

- 1) Building a biotech cluster in the Pearl River Delta region on 29-Jul, 08
- 2) Trade and Industry Department support for SME on 6-Mar, 09
- 3) A forum on Chinese medicine R&D in Hong Kong - current landscape and future development on 5-Jun, 09
- 4) Important considerations for licensing negotiations on 23-Sep, 09
- 5) Introduction of NDI tracking technology for the computer assisted surgery on 18-Dec, 09

**Exchange@Science Park**  
for life sciences community

**Organizer:**  
Hong Kong Science & Technology Parks

**Feature Speaker:**  
Mr. Mikael Ørum  
General Partner  
Ventac Partners

*You are invited to the cocktail gathering*  
July 29, 2008 (Tuesday) 4:30 to 6:30 pm

- To make new friends and catch up with old ones
- Discussion for organizing business activities
- Share insight with feature speaker

Venue: "Fresh" Lakeside Restaurant

Program:

- 4:30pm Registration
- 4:45pm Welcoming Introduction  
Prof. Lo Yuk Lam  
President, Asia Pacific,  
PerkinElmer Life Sciences (HK) Ltd
- 4:50pm Feature Speaker  
Mr. Mikael Ørum  
General Partner  
Ventac Partners
- 5:10pm Networking Cocktail

Free Transportation from Kowloon Tong

Party organizer:  
Ada Chui Telephone: (852) 2629 6881  
Email: enquiry.bio@hkstp.org

Please register at: <http://www.hkstp.org/exchange.html>  
Or by fax to: (852) 2664 2481

Hong Kong Science Park



# Science Park Applied Research Commercialization (SPARC) Forum

**Aims:** To provide a platform for Hong Kong and Pearl River Delta's start-up companies to meet with potential venture capitalists and investors for licensing and commercializing their intellectual property.

## SPARC Forum in the past:

- 1) Target Industry: Chinese Medicine and Herbal Medicine  
Co-organizer : Hong Kong Jockey Club Institute of Chinese Medicine  
Date : 11-Nov, 08
- 2) Co-organizer : ChinaBio® LLC  
Date : 19-20 Mar, 09



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# SEED Kickoff Meeting -HK

金种子大赛  
SEED Competition



生物时代, 创业无疆  
Scientists to Entrepreneurs  
Education and Development

SEED Kickoff Meeting • Hong Kong • January 7, 2010

## Sponsors:

- 1) OrbiMed
- 2) McKinsey and Co.
- 3) Roche

**Aims:** A biotech focused business plan competition aimed at getting local aspiring entrepreneurs exposed to business plan building, and shaping their ideas into marketable plans.

Events	Date	Venue	Host
SEED Kickoff Shanghai	Dec 10, 2009	Shanghai	Shanghai Biochip
SEED Kickoff Guangzhou	Jan. 6, 2010	Guangzhou	GIBI
SEED Kickoff Hong Kong	Jan. 7, 2010	Hong Kong	HKSTP
SEED Finalists Coaching Day	Mar. 2, 2010	Shanghai	Organizers
SEED Final Competition and Award Ceremony	Apr. 23, 2010	Shanghai	Organizers

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THANK YOU!

