

Faculty of Science Five-year Plan

Addressing Strategic Moves 2017-2022



The University of Hong Kong
Faculty of Science
香港大學理學院


Grow Academic Staff

Augment Student Experience

Enhance Research Leadership

Revitalise Equipment & Infrastructure





We strive to be pre-eminent in Hong Kong, leading in Asia and highly competitive globally.

Message from the Dean

The University of Hong Kong is one of the world's top universities, it aims to be Asia's global university. What does this mean for the Faculty of Science? That was the question that we set out to answer in 2016. The Faculty agreed that it wanted to be pre-eminent locally, leading in Asia and competitive globally. This is an ambitious vision, one that sets a high standard for all our activities. We have spent time deliberating on what we should do to meet our aspirations. This has culminated in the development of this five year plan. In 2017 we will start to take action on this plan. The Faculty is close to 80 years old, and we have achieved much in that time. This plan is designed to build on those eight decades and to aid our development for the next eight. We are not complacent, the world is a competitive and fast-moving place. We need to adapt what we do, and how we do it to remain in our leading position.

'Only the wisest and stupidest men never change.'



Professor Matthew R Evans
Dean of Science
The University of Hong Kong

The Five-year Plan Aligns with

HKU's vision of being 'Asia's global university' by realising

'3+1' Is

INTERNATIONALISATION

Engage global elite,
both staff and students



IMPACT

Make a positive
impact on
society



INTERDISCIPLINARITY

Develop central research
and PhD facilities to foster
interdisciplinary research

INNOVATION

Create innovative research
division structure to maximise
research performance
Ensure our students have the
best experience at HKU



Where We Are World Class Rankings

#2

QS University
Rankings: Asia 2016
by Quacquarelli Symonds

#21

QS World University
Rankings by Subject 2017
– Natural Science
by Quacquarelli Symonds

#5

Asia University
Rankings 2017
by Times Higher Education

International
Environment ~60%

academic staff are from outside
Hong Kong

Diverse origins and cultures of
students International collaborations

Top-ranked
Scientists 14%

of professoriate staff are the
world's top 1% scholars
according to Clarivate Analytics'
Essential Science Indicators
2016





How We Get There

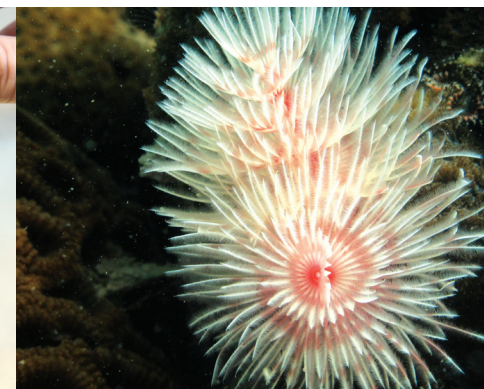
4 Strategic Moves:

GEAR

What We Aspire to be

A world leader in research and teaching, we will know we are achieving this when:

- Research performance improves
- Popularity among quality local and international students increases
- High quality staff are attracted from around the world
- National and international funders show greater interest





G

row Academic Staff

- We have created 80th Anniversary positions and are launching a global recruitment of Assistant/ Associate Professors
- We will increase the academic staff population by 20% with competitive remuneration and start-up packages

Expected outcome:

We will bring in the highest quality academic staff with diverse profiles and make a significant advances in research

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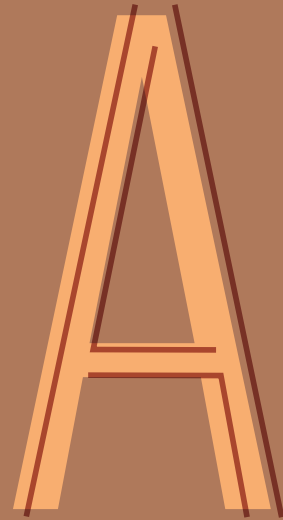
nhance Research Leadership

- We have created an entirely new research division structure and are establishing our research foci
- There are six new research divisions:
 - » Molecular and Cell Biology
 - » Ecology and Biodiversity
 - » Chemistry
 - » Earth and Planetary Science
 - » Physics and Astronomy
 - » Mathematical and Statistical Science
- We will appoint new Research Division Directors recruited globally to be facilitators, champions and mentors to enhance research performance in each Division
- Academic staff may join more than one research division
- We will foster interdisciplinary research within and between divisions

Expected outcomes:

Maximised research performance, the identification and nurturing of research strengths, and incentivised research activity

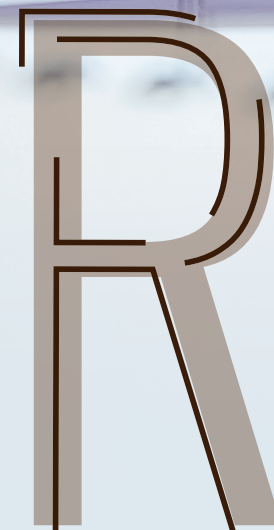




Augment Student Experience

- We will enhance the experience of students and remain the choice of the best students to study science
- We are reviewing our curriculum to ensure that the best quality teaching programmes are delivered
- We will encourage innovation in teaching and emphasise quality of provision over quantity

Expected outcome:
The highest quality of teaching is conducted, providing students with the best possible learning experience



Revitalise Equipment & Infrastructure

- We will modernise aging equipment
- We are developing plans for a new Science Building that will house:
 - » At least one academic department
 - » A central Science Faculty Research Facility
 - » Centralised Science undergraduate teaching laboratories
 - » An interdisciplinary PhD student space

Expected outcome:
Improved research environment and facilitation of interdisciplinary research work



The University of Hong Kong
Faculty of Science
香港大學理學院

The University of Hong Kong
Faculty of Science

G/F Chong Yuet Ming Physics Building
The University of Hong Kong
Pokfulam Road, Hong Kong
Tel: 3917-2683
Email: science@hku.hk

 www.scifac.hku.hk

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