



**School of Life Sciences**  
The Chinese University of Hong Kong

生命科學學院

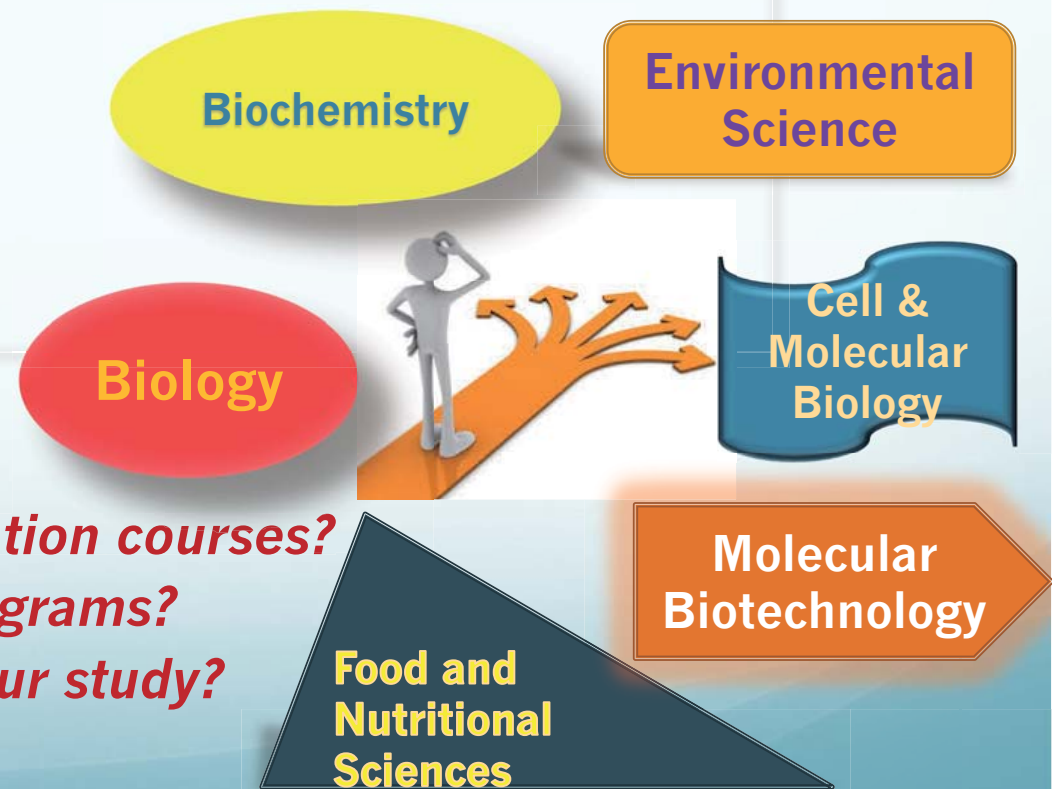


# **School of Life Sciences Academic Counselling for First Year Science Students**

**Date: 19<sup>th</sup> April 2018 (Thursday)**  
**Time: 5:15 pm**  
**Venue: L1 Science Centre**  
**Speaker: Professor K.M. Chan**

## **TOPICS:**

- [1] your comments on our foundation courses?**
- [2] how to choose your major programs?**
- [3] how to get good grades for your study?**
- [4] LSCI 2005**





**School of Life Sciences**  
The Chinese University of Hong Kong

生命科學學院





Established in 1994

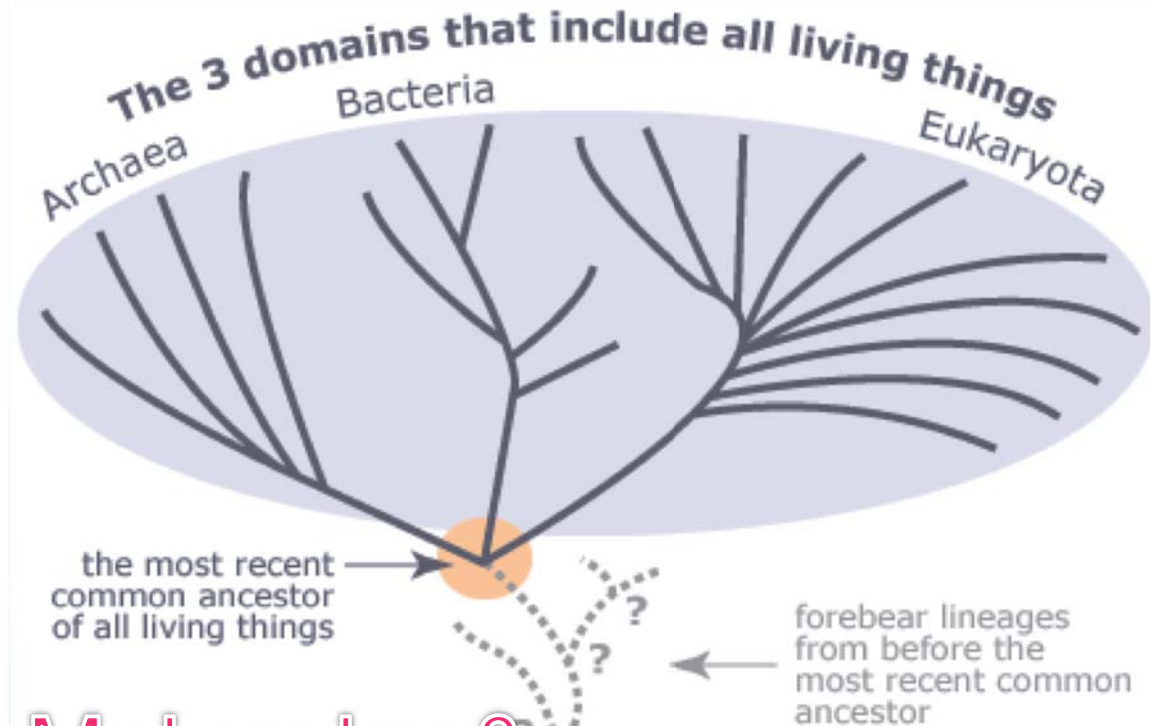
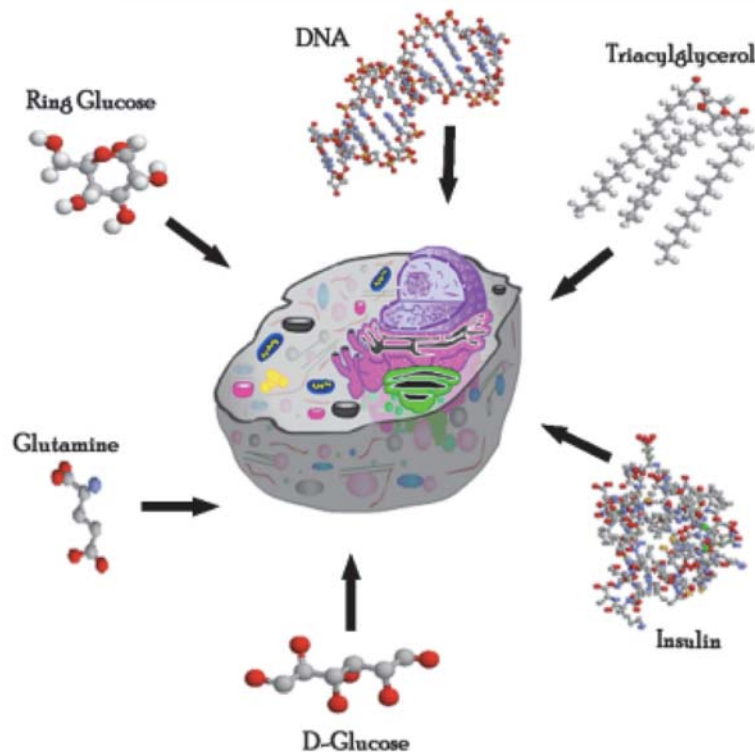
Environmental  
Science

Established in 1994

Food &  
Nutritional  
Sciences

Established in 1998

Molecular  
Biotechnology



Biochemistry

Established in 1971

Molecular &  
Cell Biology

Established in 2008

Biology

Established in 1963

# Foundation Courses (Faculty Package min 9 units)

## Biological Sciences

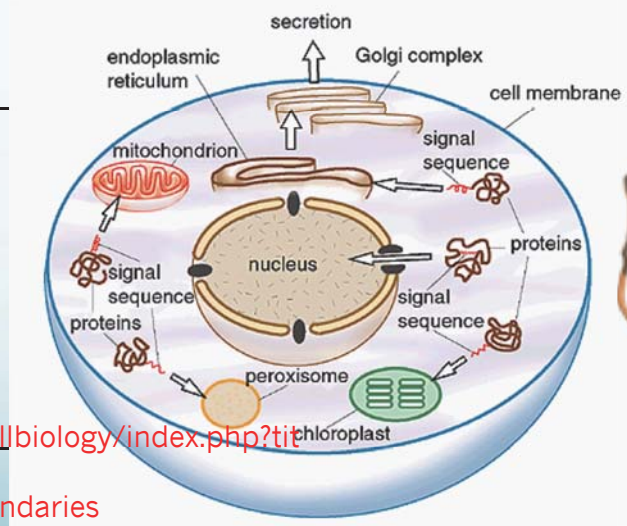
- LSCI 1000 Biochemistry of Health and Disease  
for Minor students (non-majors)
- *LSCI 1001 Basic Concepts in Biological Sciences*  
*Take it prior to 1002, for those*  
*never did Biology in High School*
- LSCI 1002 Introduction to Biological Sciences  
ALL Major students must take, offered  
in both terms
- LSCI 1003 Life Sciences for Engineers  
(e.g. Biomedical Engineering students)

# Foundation- 1<sup>st</sup> term Curriculum:

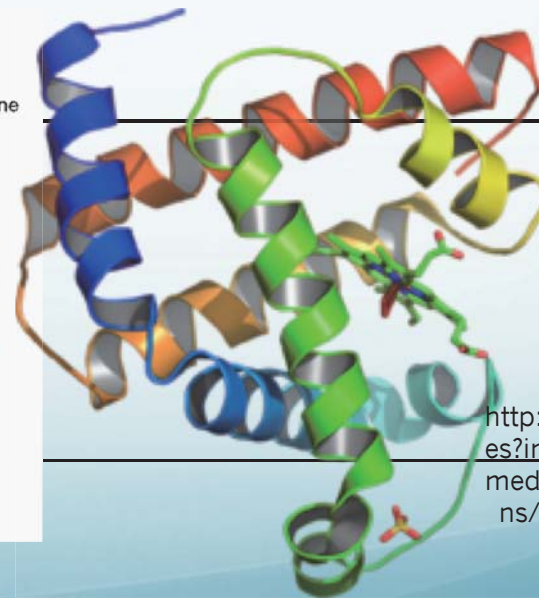
## Same for all six programs of LSCI students

### First Term

<b>BCHE2030</b>	Fundamentals of Biochemistry (3 units)
<b>BIOL2120</b>	Cell Biology (3 units)
<b>LSCI2002</b>	Basic Laboratory Techniques in Life Sciences (2 units)
<b>LSCI2003</b>	Scientific Conducts and Ethics (2 units, elective course; ENSC required)



[http://php.med.unsw.edu.au/cellbiology/index.php?title=2010\\_Foundations\\_-\\_Cells,\\_organelles\\_and\\_cell\\_boundaries](http://php.med.unsw.edu.au/cellbiology/index.php?title=2010_Foundations_-_Cells,_organelles_and_cell_boundaries)



<http://www.google.com/imgres?imgurl=http://upload.wikimedia.org/wikipedia/commons/thumb/6/60/Myoglobin.png>

# Foundation Courses

Year 1 Faculty Package	Biology Biodiversity	Chemistry/Lab Organic Chemistry	Physics, Math, or Statistics	General Education Languages
Year 2 (Term 1)	Cell Biology	Biochemistry	Basic Lab Techniques	Scientific Conduct and Ethics (ENSC required)
Year 2 (Term 2)	##Introductory Courses from Programs	Ecology/Lab	Genetics/Lab	“Minor Electives”  Language
Year 3/4	Program Core Courses	Major Electives	Capstone Courses	Minor Courses

## Students may like to take the introductory courses in Year 1.

Be prepared to take your intended minor courses

Course	Unit	BCHE	BIOL	CMBI	ENSC	FNSC	MBTE
<b>BIOL 2120</b> Cell Biology	3						
<b>BCHE 2030</b> Fundamentals of Biochemistry	3						
BCHE 2000 Frontiers of Biochemistry	2	<b>YEAR TWO COURSES</b>					
BIOL 2210 Ecology	3						
BIOL 2213 Ecology Lab	1		#				
BIOL 2410 General Genetics	2						
BIOL 2313 Genetics Lab	1		#				
CMBI 2200 Literature Survey....	2						
ENSC 2270 Intro. Environ. Sci.	3						
<b>FNSC 2001</b> Intro to Food Sci. and Technol.	2	<b>FNSC3180 Food Microbiology (5 U; may take General Microbiology prior to taking this course)</b>					
<b>FNSC 2002</b> Nutrition for Health	2						
MBTE2000 Intro. Mol. Biotech	2						
MBTE 2010 Biodiversity of Life: Applications & Sustainability	2						

Example of course selection:  
Most likely **BCHE**, maybe **CMBI** or **FNSC**

Second Term	
<u>BCHE2000</u>	<u>Frontiers in Biochemistry (2)</u>
BIOL2210	Ecology (3)
BIOL2213	Ecology Lab (1)
<u>BIOL2410</u>	<u>General Genetics (2)</u>
<u>BIOL2313</u>	<u>Genetics Lab (1)</u>
<u>CMBI2200</u>	<u>Literature Survey in CMB &amp; Scientific Communication (2)</u>
ENSC2270	Introduction to Environmental Science (3)
<u>FNSC2002</u>	<u>Nutrition for Health (2)</u>
<u>FNSC3180</u>	<u>Food Microbiology (3)</u>
MBTE2000	Introduction to Molecular Biotechnology (2)
MBTE2010	Diversity of Life: Applications and Sustainability (2)
$5 \text{ Units} + 2 \text{ Units} + 5 \text{ Units} = 12 \text{ Units}$	
Students are advised to take < 12 units, and explore your minor and elective courses	
BAD IDEA NOT TO DECIDE YOUR MAJORS EARLY	



# Missions

## Professional training:

- ✓ *Concepts and mechanism of biochemical processes.*
- ✓ *Independent research and training on the latest biochemical technology.*

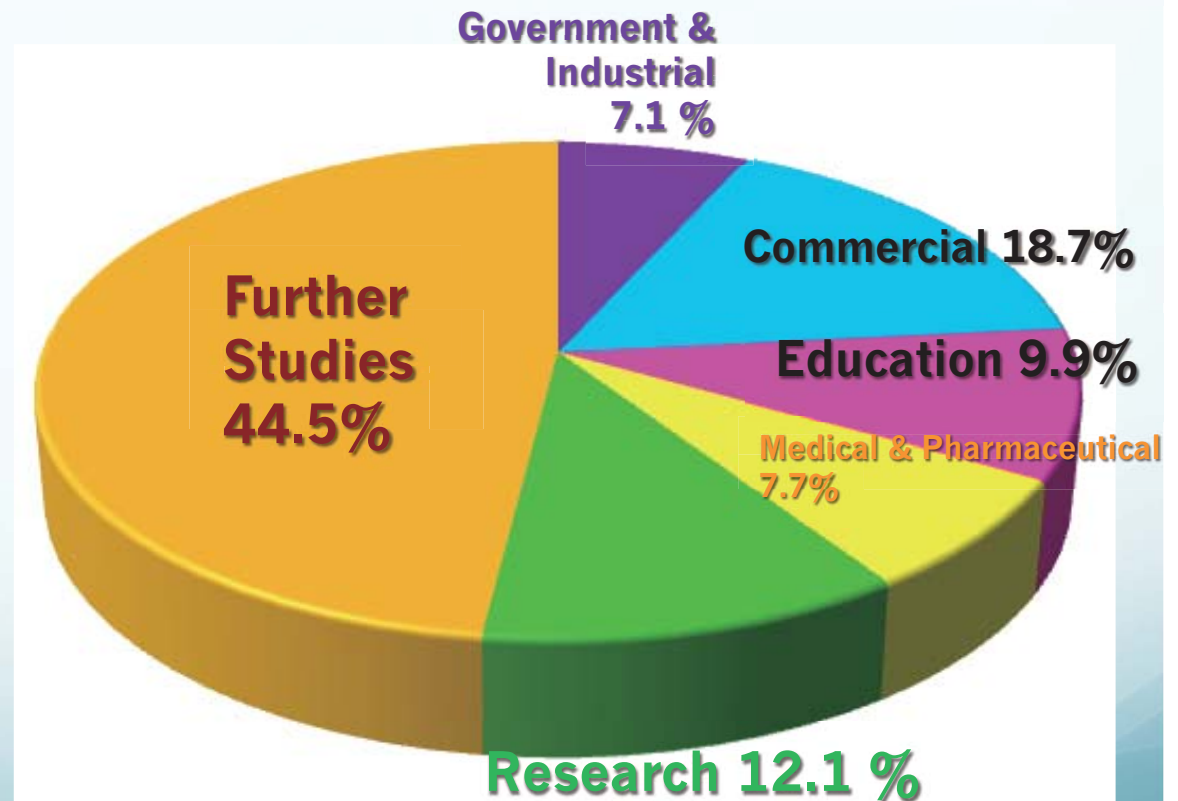
## Personal development:

- ✓ *Ability of critical thinking, a proactive and responsible attitude and efficient communication skills.*

<http://www.sls.cuhk.edu.hk/index.php/bche>



## Careers of Biochemistry Graduates (2012-2016)



# Biochemistry Program Requirements

- **BCHE2000** Frontiers in Biochemistry (2U)
- **BCHE2030** Fundamentals of Biochemistry (3U)
- **BIOL2120** Cell Biology (3U)
- **LSCI2002** Basic Laboratory Techniques in Life Sciences (2U)

Year 2 :  
Fundamental Courses  
(18 units)

- **BIOL2410** General Genetics (2U) & **BIOL2313** Lab (1U)
- **BCHE3050** Molecular Biology (2U)
- **BCHE3070** Recombinant DNA Techniques (1U)
- **BCHE3650** Molecular Biology and Recombinant DNA Lab (2U)

- **BCHE3030** Methods in Biochemistry/Lab (3+2U)
- **BCHE3040** Proteins and Enzymes (3U)
- **BCHE3080** Bioenergetics and Metabolism (3U)
- **BCHE3092** Self-Study Modules in Biochemistry (3U)
- **LSCI4000** Literature Research in Life Sciences (3U)
- or **BCHE4901/2/3** Senior Experimental Project (2/2/2U)
- or **BCHE4910** Group Research in Biochemistry (3U)

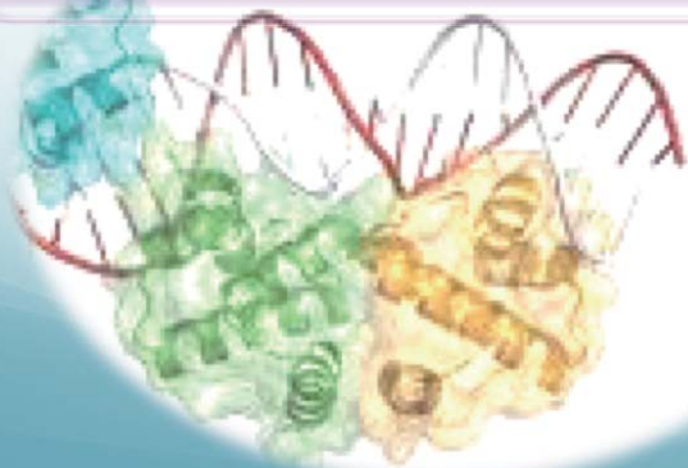
Year 3 - 4:  
Fundamental and  
Specialized Topics  
(16 units)

+  
Elective courses  
(17 units)

# Major Elective Courses (> 17 U) for Different Career Paths

## List A: BCH Major Electives (> 9U with a lab course)

- Clinical Biochemistry
- Aspects of Neuroscience
- Molecular Endocrinology
- Medical Biochemistry Lab.
- Basic and Applied Immunology / Lab.
- Biochemistry for Sport and Exercise
- Biochemistry Forensic Sciences
- Management and Accreditation of Biochemical Lab.



## Clinical / Biomedical Sciences

- Nutrition and Human Development
- Introduction to Medical Nutritional Therapy
- Human Genetics
- Statistical Techniques in Life Sciences



## Research / Biomedical technology

- Protein Folding, Proteomics
- Animal / Microbial Biotechnology
- Biochemical Toxicology/Lab
- Statistical Techniques in Life Sciences
- Synthetic Biology Workshop



## Biochemistry for Environmental Health

- Animal Biotechnology
- Environmental & Biochemical Toxicology/Lab
- Environmental Health
- Statistical Techniques in Life Sciences



# BIOLOGY PROGRAM

## Our Missions

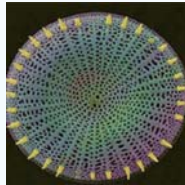
1. To provide our students with the **core knowledge** in biological sciences
2. To prepare our students with great competence in understanding **biological issues** and appreciation of biological knowledge, with awareness in biological **conservation** and other environmental issues
3. To develop students' **generic skills** in scientific thinking and communication, problem solving and IT



# Study Packages

## BIOLOGY

### Organismic Biology



BIOL3530 Plant Physiology  
BIOL3630 Animal Physiology  
BIOL3710 Marine Biology\*  
BIOL4012 Field and Environmental Biology  
BIOL4032 Physiological Investigation  
BIOL4260 Conservation Biology  
BIOL4510 Hong Kong Flora and Vegetation

### Biology for Teaching Career



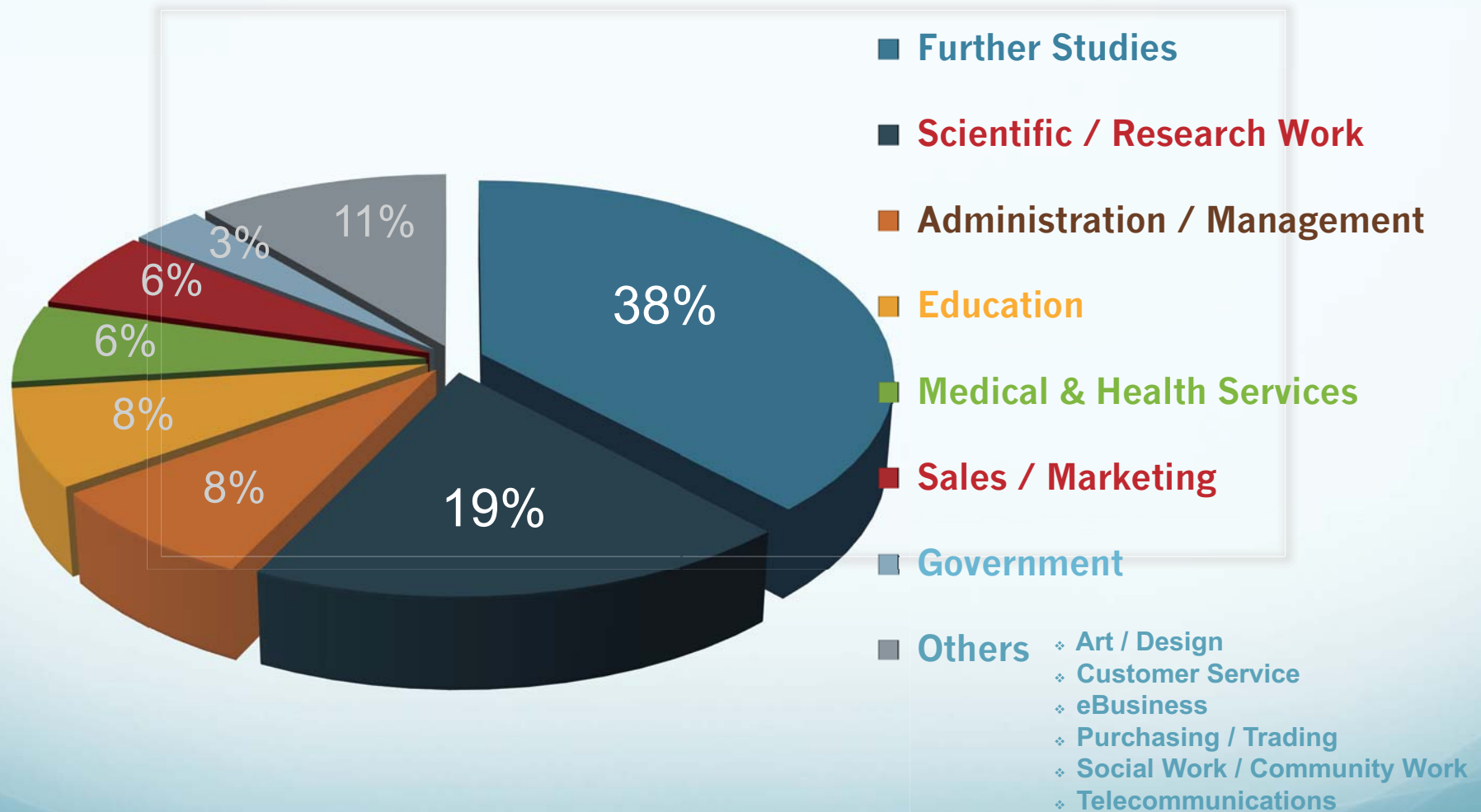
BCHE3050 Molecular Biology **or** MBTE4320 Genetic Engineering  
BIOL3310 Human Biology  
BIOL3530 Plant Physiology\*  
BIOL3630 Animal Physiology\* **or** FNSC 4101 and FNSC4102  
Human Physiology for Nutrition Studies I and II  
BIOL3710 Marine Biology  
BIOL4032 Physiological Investigation  
BIOL4120 Developmental Biology  
ENSC 3520 Environmental and Biochemical Toxicology

### Human Biology



BIOL3310 Human Biology\*  
BIOL4120 Developmental Biology  
BIOL4310 Human Genetics\*  
BCHE4040 Aspects of Neuroscience  
BCHE4060 Basic and Applied Immunology  
BCHE4090 Biochemistry for Sport and Exercise  
CMBI4101 Cancer Cell Biology  
CMBI4102 Stem Cell Biology  
FNSC3010 Nutrition and Human Development  
**or** FNSC 4101 and FNSC4102 Human Physiology for Nutrition  
Studies I and II

# Career Prospects of Biology Graduates 2012-14



# Cell and Molecular biology (CMB)

<http://www.sls.cuhk.edu.hk/index.php/cmbi>

YEARS 1 & 2

## General Science Courses (Faculty Package)

Fundamental courses in Life Sciences  
Introduction to Scientific Writing & Communication

YEARS 3 & 4

### STudent-Oriented Teaching (STOT)

*1-on-1 meetings with professors to learn a CMB-related topic in 1 year*

### Diversity in Core Courses

*Organelle Structure & Function  
Genomics & Transcriptomics  
Cancer Cell Biology  
Neuronal Cell Biology  
Stem Cell Biology*

### Laboratory Training

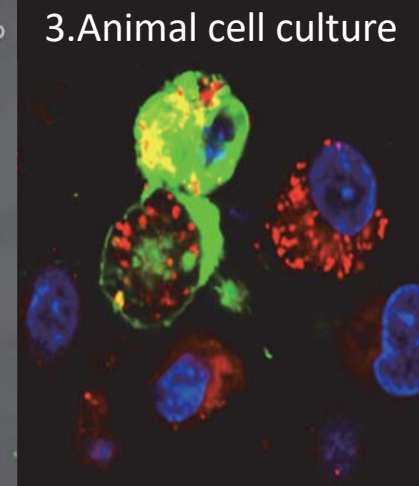
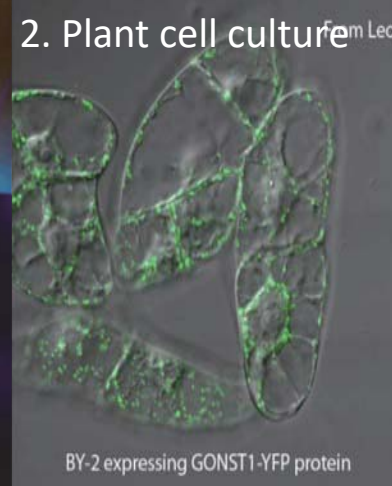
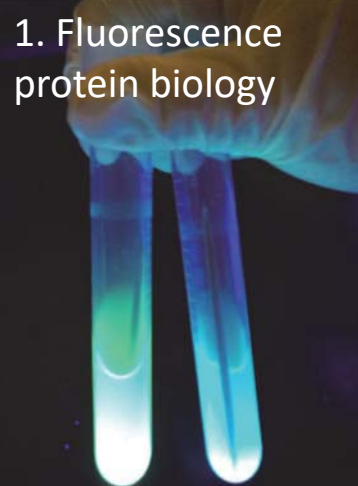
*Project-based lab courses span the entire year 3*

*Final Year Project lets you work in a real research lab*



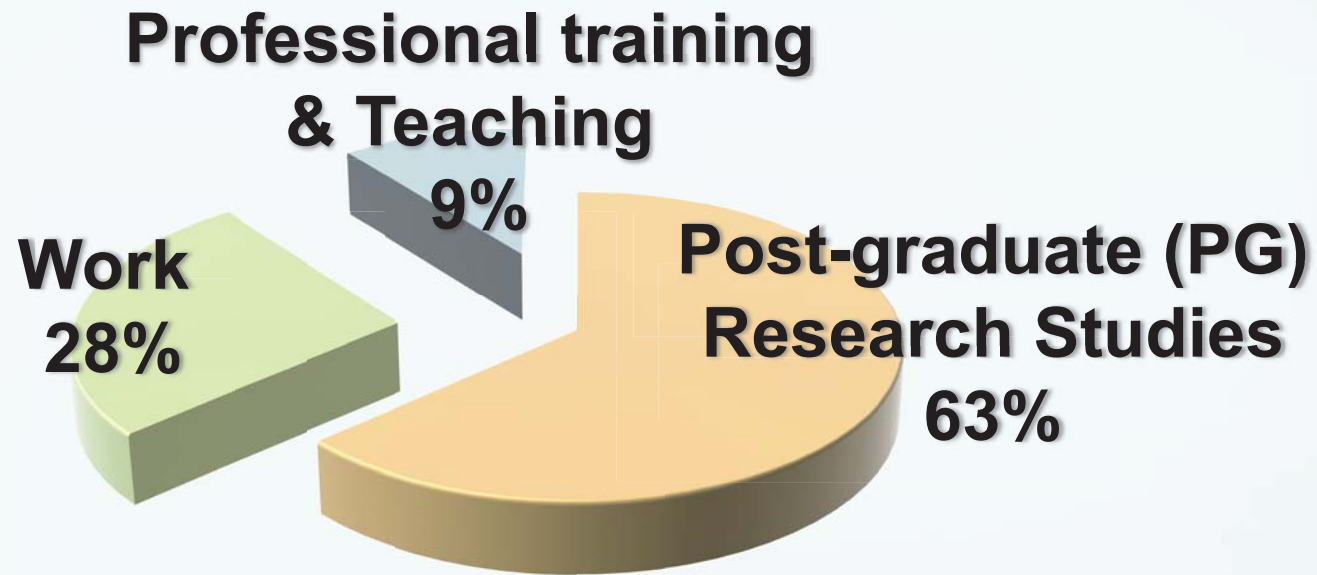
# Features of CMB Program

- Focus on **Scientific writing, Critical thinking & Self-motivated learning**
- **Regular extensive supervision** by Professors to learn CMB-related topics
- **10 hrs./ week of Lab Training** with **Project-based experiments**





# Career Paths of CMB Graduates



Year	Total # of graduates	% students entering PG studies	Examples of Study Program
2013 to 2018	68	59%	PhD or MPhil (CUHK); PhD (Stanford, USA); PhD (Cornell, USA); PhD (Max Planck Institute, Germany); PhD (U Penn, USA); PhD (Karolinska Institute, Sweden) PhD (Johns Hopkins, USA)

# ENVIRONMENTAL SCIENCE PROGRAM



## Selected Job Profiles:

Mr. Chickee Chow

*Consultant, Environmental  
Resources Management (ERM)*

Ms Carol Kwok

*Sustainability Manager, New World  
Development Co. Ltd.*

Dr. Eric Sze

*Assistant Professor,  
Open University of Hong Kong*

Mr. Alfred Tang

*Senior Compliance Engineer,  
Avery Dennison Corporation*

Mr. F F Yeung

*Country Parks Officer,  
AFCD, HKSAR Government*

Dr. Patrick Yeung

*Project Manager (Marine), World  
Wide Fund*

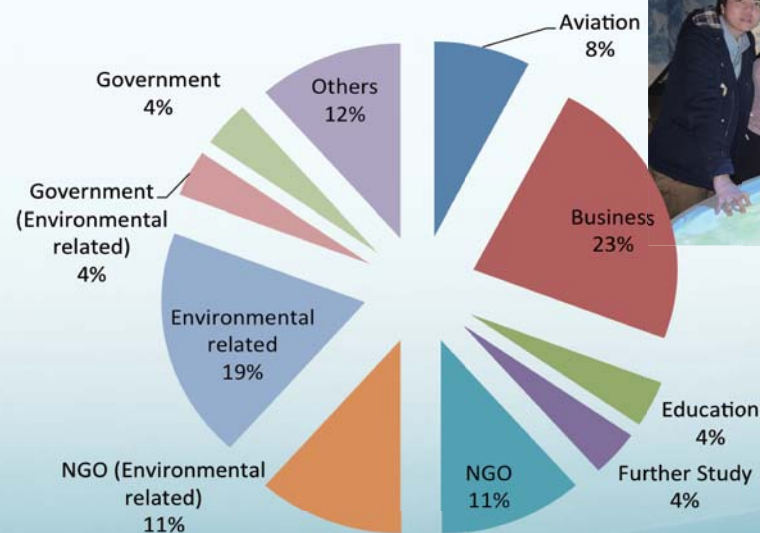
Miss W Y Yiu

*Environmental Protection Officer,  
EPD, HKSAR Government*

## OUR MISSIONS

1. To provide students with a wide **multidisciplinary** background of Environmental Science.
2. To prepare students with a high level of competence in **scientific understanding** of various environmental issues.
3. Two concentrations: **Environmental Management** and **Environmental Technology**.

Career Field of 2013 Full-Time First Degree in  
Environmental Science Programme



Environmental Integrity & Excellence

<http://www.sls.cuhk.edu.hk/index.php/ensc>

# Core courses

## 2/4 (Basic Courses)

- BIOL2120 Cell Biology
- LSCI2002 Basic Laboratory Techniques in Life Sciences
- BCHE2030 Fundamentals of Biochemistry
- ENSC2270 Introduction to Environmental Science
- BIOL2210/2213 Ecology/Lab
- LSCI2003 Scientific Conduct and Ethics



## 3/4 (Fundamental & Specialized Courses)

- ENSC2515/2517 Environmental Chemistry/Lab
- ENSC3415/3417 Environmental Instrumentation Techniques/Lab
- ENSC3520/3820 Environmental & Biochemical Toxicology/Lab

## 4/4 (Capstone courses) > 4 Units

- ❖ ENSC4901/4902/4903 Senior Experimental Project I, II, III/(2-6 units)
- ❖ LSCI4000 Senior Literature Research 3 units
- ❖ Internship (ENSC4906) 2 Units or
- ❖ Field Study (ENSC4907) 2 units





# Major Elective Courses (> 23 units)

**ENSC3230 Principles of Environmental Protection & Pollution Control (3 U)(or GRMD3230)**

**ENSC4240/4242 Environmental Impact Assessment/Lab (3 + 2 U)**

**ENSC4250/4252 Environmental Health (3 U)**

**ENSC4525 Advanced Environmental Chemistry (3 U)**

**ENSC4535 Chemical Treatment Processes (3 U)**

***At least 11 units from above***

[http://www.sls.cuhk.edu.hk/sls\\_media/sls/Documents/ENSC\\_2017\\_Handout-r1.pdf](http://www.sls.cuhk.edu.hk/sls_media/sls/Documents/ENSC_2017_Handout-r1.pdf)



Course Code	Course Title	Unit
BIOL3012	Biodiversity Laboratory I	2
BIOL3022	Biodiversity Laboratory II	2
BIOL3410	General Microbiology	3
BIOL3550	Plant Biology	4
BIOL3560	Biology of Fungi and Non-Vascular Plants	2
BIOL3570	Biology of Vascular Plants	2
BIOL3610	Invertebrate Form and Function	2
BIOL3620	Vertebrate Life	2
BIOL3630	Animal Physiology	3
BIOL3710	Marine Biology	3
BIOL4012	Field and Environmental Biology	2
BIOL4260	Conservation Biology	3
BIOL4220	Environmental Biotechnology	3
BIOL4510	Hong Kong Flora & Vegetation	3
CHEM4400	Advanced Analytical Chemistry	2
CHEM4430	Practices in Testing Laboratory	2
CHEM4280	Chemistry in Biofuel	2
CHEM4440	Food Testing and Environmental Analysis	2
ENER3020	Energy Utilization and Human Behaviour	3
ESSC3200	Atmospheric Science	3
ESSC3300	Introduction to Physical Oceanography	3
ESSC3600	Understanding Our Biosphere	3
ESSC4400	Hydrology	3
GRMD3202	Environmental Management	3
GRMD3203	Urban Environmental Problems	3
GRMD3323	Urban and Regional Planning	3
GRMD4203	Ecosystem Restoration and Management	3
LAWS4310	The Environment and the Laws	3
MBTE2010	Diversity of Life: Applications & Sustainability	3
PHPC2009	Environment and Work	3
PHPC2015	Biostatistics	3
PHPC2017	Epidemiology	3
PHPC3016	Environment and Health	3
STAT3210	Statistical Techniques in Life Sciences	3



# Food & Nutritional Sciences



## Programme Objectives

1. To equip students with in-depth, up-to-date and practical knowledge in Nutrition, Food Science and Technology
2. To devise and implement strategies independently to solve problems related to food and nutrition in technological contexts
3. To prepare students to further their studies and lifelong learning in food and nutrition

<http://www.sls.cuhk.edu.hk/index.php/fnsc>

# Integration of Food and Nutrition

*Nutritional Science*



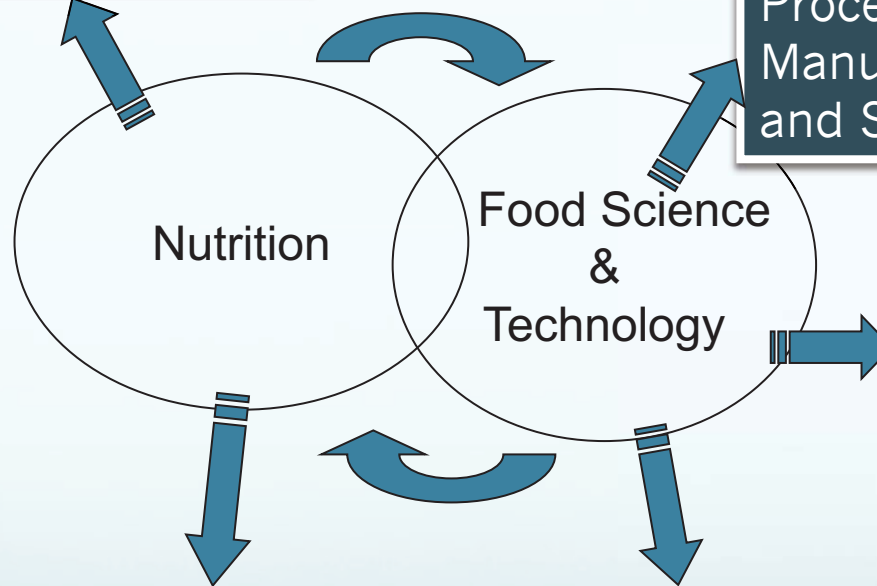
*Food Science*



## Individual and Family Health

### Topics

- Nutrition requirement
- Non-communicable Disease
- Diet Therapy
- Weight Management
- Immunity
- Functional Food
- Traditional Chinese Medicine



## Food Processing, Manufacturing and Storage

### Topics

- Food characteristics
- Food analysis
- Food spoilage
- Food preservation

## Food Quality Control & Safety

### Topics

- Food Safety
- HACCP,
- ISO9000, 22000
- Food Legislation
- Quality Management

### Topics

- Public Health
- Nutrition Education
- Nutrition Policy

## Community Health

## Product Development and Production

### Topics

- Creation & Development of New Products
- Sensory Evaluation
- Food Biotech: Molecular Biology, Bioprocess Engineering, Microbial Biotechnology

# Molecular Biotechnology

## Applications in Medicine, Agriculture, Energy, and Environment

<http://www.sls.cuhk.edu.hk/index.php/mbte>

### TIME Magazine U.S.

#### The Biotech Century

By WALTER ISAACSON Monday, Jan. 11, 1999

November 7, 2008  
Purple Rain: Tomatoes Get New Color Scheme



### Turning Data into Genomic Medicine

Navigating the Path between the Lab and the Clinic Is Becoming More Straightforward

Web Glasser

Genomics data is opening new windows on disease and gene expression. Research labs, having long rapidly expanding databases of data, are now beginning to use this information to develop new drugs and therapies. The challenge is to make sense of the data and bring it to the clinic. The "bottleneck" is in getting the data into the clinic.

### Tissue Engineering Revenues Rise

Web Glasser

More than half (52%) of the companies comprising the tissue engineering (TE) and stem cell industries are revenue-generating, compared to about 21% four years ago, according to an analysis published in *Tissue Engineering Part B*.

Of those companies, 10% have commercial products and 21% are active in research. Another 30% have products in clinical trials.

"Looking at the industry has helped us understand how to structure our own and market TE and stem cell products, increasing both and self-growth," concludes a team of authors led by Robert Langer, Sc.D., David H. Koch Institute Professor at the Massachusetts Institute of Technology.

The data collected by Dr. Langer and colleagues between 2007 and mid-2011 "suggests the TE and stem cell industry has matured and is on a path pointing toward continued success," state the authors in the article entitled *Progress in the Tissue Engineering and Stem Cell Industry: Are We There Yet?*

They expect that the industry is just entering profitability, with sales revenues reaching \$1.5 billion and industry spending approaching \$1.5 billion, and "appears to be on a positive trajectory," although they anticipate "that there may be growth pains as the industry matures."

### GEN Genetic Engineering & Biotechnology News

Feature Articles May 1, 2011 (Vol. 21, No. 9)

### Cancer Detection Improved with Noninvasive Testing

Search for Novel Biomarkers Detectable in Accessible Bodily Fluids Proves Promising

Nick Glasser

### nature genetics

VOLUME 42 NUMBER 12 DECEMBER 2010  
[www.nature.com/naturegenetics](http://www.nature.com/naturegenetics)



Soybean genome diversity  
Gene expression in the maize leaf  
De novo mutations in mental retardation

Published online 27 January 2010 | *Nature* 463, 409 (2010) |  
doi:10.1038/463409a

NEWS

### Altered microbe makes biofuel

Bacterium could work directly on grass or crop waste.

Jeff Tollefson

In a bid to overcome the drawbacks of existing biofuels, researchers have engineered a bacterium that can convert a form of raw plant biomass directly into clean, road-ready diesel.

So far, biofuels have largely been limited to ethanol, which is harder to transport than petrol and is made



Switch grass could be made into diesel cleanly and quickly.

PHOTO: COM/ALAMY







# Molecular BioTechnology Program

## Our missions

*High quality education in preparing for R & D in biotechnology*

*Training in scientific way of knowing and problem solving*

**MBTE2000 Intro to Molecular Biotech**

**MBTE2010 Diversity of Life**

**MBTE3000 Business and Social  
Aspects of Biotechnology**

**MBTE4320 Molecular Biotechnology**

**MBTE4033/4034 Methods in MBT Lab I/II**

**BIOL2120 Cell biology**

**BIOL2410 Genetics / BCHE3050  
Molecular Biology**

**BCHE2030 Fundamentals of  
Biochemistry**



**MBTE4510 Plant  
Biotechnology**



**MBTE4520 Animal  
Biotechnology**



**MBTE4530 Microbial  
Biotechnology**



## **Outside of the classroom experiences and research opportunity in the School**

**BBSA (Berkeley Biosciences Study Abroad)**

**DREAM Program**

**iGEM Competition**

**Internship Program**

**SMART Program**

**USSP (University Sponsorship Program)**

# B B S A



生命科學學院

## Berkeley Biosciences Study Abroad (BBSA) Programme 2018-19

University of California, Berkeley  
(Department of Integrative Biology and  
Department of Molecular & Cell Biology)

AND  
The Chinese University of  
Hong Kong,  
School of Life Sciences

### WHAT TO EXPECT IN UC BERKELEY

- take 12 units of upper level Integrative Biology and Molecular & Cell Biology courses (credits can be transferred back to CUHK to fulfill the graduation requirements);
- gain opportunities in getting internships at the research labs of the 2 departments;
- enrich your studies, broaden your cultural horizons, perfect your academic English and connect with peers from across the globe in one amazing academic experience;

### ELIGIBILITY

- Students (preferably year 2 or above) major in one of the six programmes in School of Life Sciences (BCH, BIO, CMB, ENS, FNS & MBT) with excellent academic standing and proficiency in English
- IETLS >=7.0 ; TOEFL >=90 (attained by summer 2018)

### PERIOD OF EXCHANGE

- 1 semester, usually at Term 2

### SUBSIDIES

- A maximum of 5 students will be awarded subsidies for tuition fee in UC Berkeley (Students will need to pay for their air-tickets and living expenses during their study in UC Berkeley)

### APPLICATION:

1<sup>st</sup> Round (Initial) Application Deadline : **15 June 2018 (Friday)**

A Briefing will be given on **22 March 2018 (Thu) 11:30 am** in L5, Science Centre

Application form and cv should be sent to School of Life Sciences, Room 132, Science Centre or email to [lifesciences@cuhk.edu.hk](mailto:lifesciences@cuhk.edu.hk) by 15 June 2018 (Fri).

Application form can be downloaded from : [www.sls.cuhk.edu.hk](http://www.sls.cuhk.edu.hk)

### MORE INFORMATION

WEBSITE: <http://ib.berkeley.edu/bbsa>

EMAIL: [lifesciences@cuhk.edu.hk](mailto:lifesciences@cuhk.edu.hk)

CONTACT: Tel: (852)39436793 School of Life Sciences, CUHK

# Dedicated Research Exchange And Mentorship







If you are interested in joining the iGEM2019 team of Hong Kong\_CUHK, please register to this site by sending us your information first to this site by January 20: [https://docs.google.com/forms/d/e/1FAIpQLSfg8c44rNBJ\\_5ZE4AOqMsgPjR6iTvT5xv-DNh2gT3osKz5HaQ/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfg8c44rNBJ_5ZE4AOqMsgPjR6iTvT5xv-DNh2gT3osKz5HaQ/viewform)





# Scientist Mentorship And Research Training



# Our students have plenty of Internship and Exchange opportunities



**UC DAVIS**  
UNIVERSITY OF CALIFORNIA



**GREENPEACE**  
綠色和平



香港特別行政區政府  
漁農自然護理署



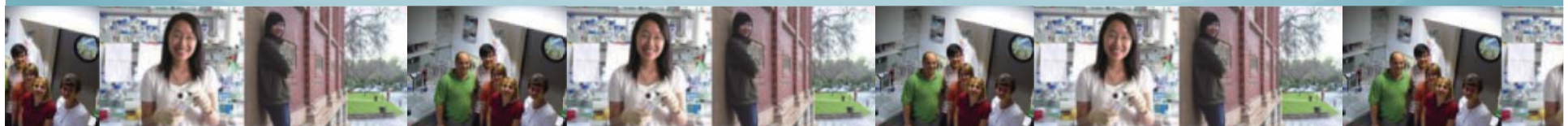
THE UNIVERSITY OF TEXAS  
**MD ANDERSON**  
CANCER CENTER



Law Offices of Albert  
Chan, New York



华大基因  
**BGI**





# USSP




## USSP

University Student  
Sponsorship Programme  
in Wildlife Conservation  
2016-17










Ocean Park Conservation Foundation, Hong Kong

### University Student Sponsorship Programme in Wildlife Conservation 2016 - 2017

Application  
now opens  
till Oct 7!

IF YOU ARE SELECTED AS AN USSPER, YOU WILL BE:

- Joining a research team in one Asian country for 2 weeks and contribute to their conservation work
- Encountering some of the world's most endangered animals
- Creating your own conservation project in Hong Kong

**PROJECTS  
OF  
THE  
YEAR**



Yangtze finless porpoise  
© Chiu Hui Tsz



Chinese crested tern  
© Lo Chun Fai



Orangutan  
© Leo Lee



Manta ray  
© Phylalus



Giant panda  
© Wyman Koo



Red-crowned roofed turtle  
© Chakendra Singh / Turtle Survival Alliance

\*Different projects will be allocated to different universities. Pictures shown here are for reference only.

**Timeline**

Sep 19 - Oct 7  
Application period

Sep 24  
Info Session  
10:00am @ CityU LTS

Oct 7  
Application Deadline

Oct 29 & 30  
Interview

Nov 5  
Orientation

Facebook: USSP OPCF  
Youtube: OPCFHongKong




\*\*For application details, please consult your own Department in University.

**PARTICIPATING SCHOOLS**

- Hong Kong Baptist University (Department of Biology)
- The Chinese University of Hong Kong (School of Life Sciences)
- City University of Hong Kong (Department of Biology and Chemistry)
- The Education University of Hong Kong (Department of Science and Environmental Studies)
- Hong Kong University of Science and Technology (School of Science)
- The Open University of Hong Kong (School of Science & Technology)
- The University of Hong Kong (The Swire Institute of Marine Science)

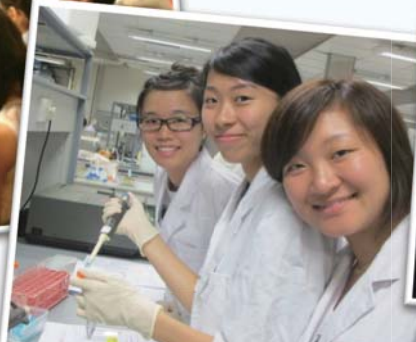




# Life as a Life Science undergraduate



**Active learning**



**Research Opportunity**



**Exchange with prominent scientists**

**Summer Internship**



**Extracurricular activities organized by Student Organizations and Staff**



# Good Teacher-Student Relationship

Sport Games



Research & Academic Guidance



BBQ



Winter Camp



## UNDERGRADUATES, 2016-17

Figures as at 24 May 2017

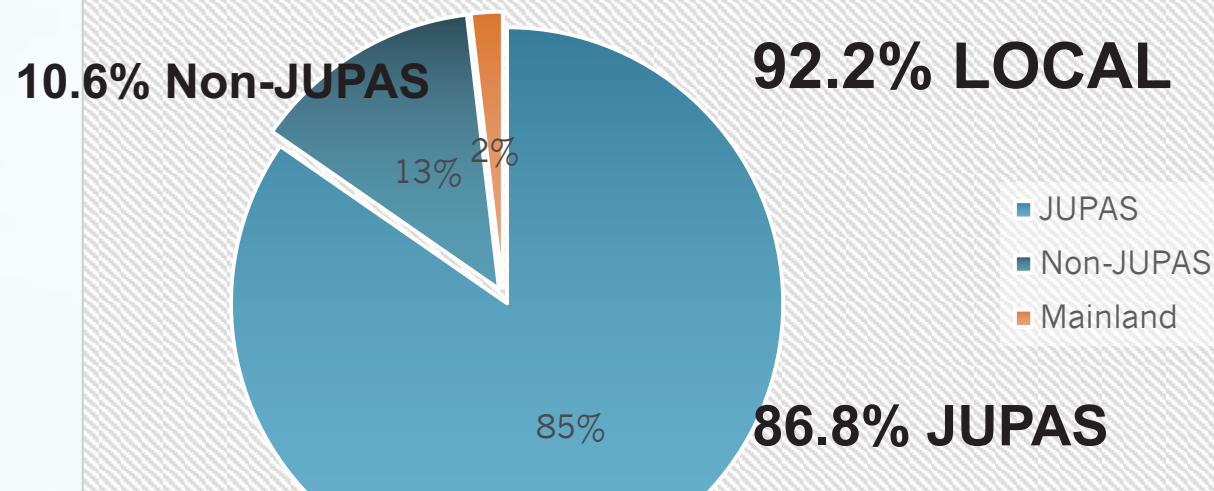
	Year 1	Year 2	Year 3	Year 4 & above	Total
BCHE	9 (63)	54 (3)	54 (1)	54	238
BIOL	4 (22)	29 (3)	33	44	135
CMBI	3 (24)	18 (2)	15	10	72
ENSC	16 (13)	24 (5)	34	22	114
FNSC	22 (84)	60	55	74	295
MBTE	19	17	19	22	77
Total	279	215	211	226	931

( ) potential major

Declare majors and potential majors in May, 2017

## Student Sources 2015 and 2017

3.4% mainland



As on April 20, 2018; total student number = 235.

2017-18	JUPAS	non-JUPAS	Mainland JEE	Local	non-Local
BCHE	62	7	1	67	2
BIOL	36	3	0	37	2
CMBI	13	6	4	13	6
ENSC	11	3	0	14	0
FNSC	69	5	3	73	9
MBTE	13	1	0	13	1
Total	204	25	8	217	18



# Thank You for Your Attention

## Q & A