

# Science Faculty e-Newsletter

## Orientation Day for Undergraduate Admissions



*A jumbo and eye-catching banner to welcome our visitors*

CUHK hosted the Orientation Day for Undergraduate Admissions on 5 November. Over 54,000 visitors including secondary students, teachers and parents paid a visit to this beautiful campus. Various admission talks, laboratory tours, demonstration and sharing sessions, tailored for prospective students, were organized by units of the Science Faculty. Not only programme teachers partook in explaining curriculum or learning path to the potential freshmen and parents, but also peers of students, who are now studying in different programmes, shared their vivid stories in the university under the exhibition booths.

Four admission talks had been arranged by the Faculty to introduce the new admission score schemes to be launched in academic year 2017-18.

*More photos*



*Programmes of Science Faculty housed under the well-decorated marquee to showcase their curriculums and course details.*



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## Inauguration Ceremony 2016



*Cheers for the New Academic Year!*

On 5 September, the first day of academic year 2016-17, more than 200 freshmen attended the Inauguration Ceremony for the New Undergraduates held at the Science Centre L1. They were inspired by the sharing given by Professor Henry N.C. Wong, Dean of Science, about three renowned professors' view towards pure science. The Associate Dean of Science, Professor Wong Hoi Ying, dispatched some useful information through several interesting True and False questions before we close the ceremony. A group photo should definitely not be missed.



## The 81st Congregation for the Conferment of Degrees and Master's Degree 2015-16 Graduation Ceremony for Science Faculty

The 81st Congregation for the Conferment of Degrees was grandly held at the University Mall on 17 November. 566 students were conferred the degrees of Bachelor of Science; 260 students were conferred the Master of Philosophy or the Master of Science in 2015-16. The Vice-Chancellor's Exemplary Teaching Award 2015 and the Young Researcher Award 2015 were awarded to Professor Wong Hoi Ying, Department of Statistics, and Professor Li Hua Bai, Department of Physics, respectively on that day.

The Master's Degree 2015-16 Graduation Ceremony for Science Faculty was successfully held at the Sir Run Run Shaw Hall on the following day. Pro-Vice-Chancellor, Professor Poon Wai Yin, officiated the Ceremony by inviting graduates to applaud and thank their families who support their endeavor to achieve their dreams. Professor Andy TS Hor, the Vice-President and Pro-Vice-Chancellor in Research of the University of Hong Kong, being the guest-of-honour of the ceremony, inspired all graduates through five characteristics that most successful people carried. They were commitment, attitude, magnanimous, adaptive & humble and open mind & big heart. He encouraged youngsters to be prepared to move out of comfort zone and to be leaders.

The Faculty takes this opportunity to congratulate all graduates and awarded teachers.



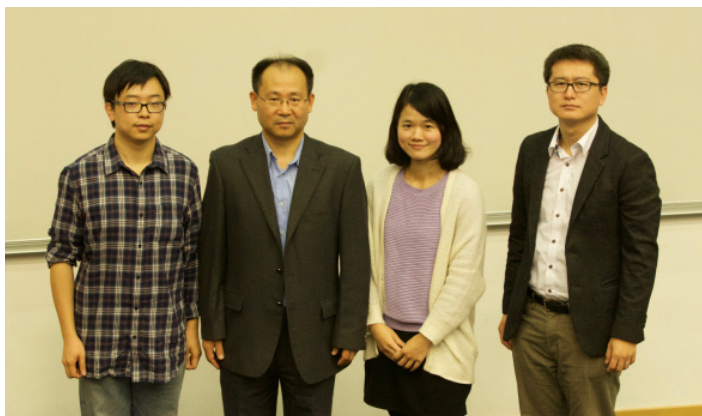
*Professor Poon Wai Yin is presenting souvenir to Professor Andy TS Hor, Guest-of-Honour of the ceremony.*



*Graduates are listening to the word of wisdom delivered in the ceremony.*



## Special Popular Science Lecture Series: How Nobel Prizes are Won



Professor Xie Zuowei (2nd from left), Associate Dean of Science, thanks three outstanding faculties, Professor Gu Zhengcheng (left), Professor Zhuang Xiaohong (2nd from right) and Professor Tsui Chit (right), for their commitment in promoting science to youngsters.

Three professors spoke on “How Nobel Prizes 2016 are Won” at the Popular Science Special Lecture Series on 25 November with a view explaining the science knowledge behind world-class scientific research and inspiring students through awardees’ passion and hard work towards their studies. It attracted more than 300 secondary students, teachers and visitors this year to explore the knowledge behind 2016 Nobel Prizes in Chemistry, Physiology or Medicine, and Physics.

Professor Zhuang Xiaohong of the School of Life Sciences kicked-off the lecture by introducing “How Cell Eats Itself?” and the study of autophagy. Professor Tsui Chit of the Department of Chemistry then brought us to the world full of power of chemistry and showed “How Molecules Became Machines?”. Professor Gu Zhengcheng of the Department of Physics finally discussed “A topological world: from quantum material to the origin of elementary particles”. Besides explanatory slides, audiences were fascinated by the elaborative videos selected by professors to illustrate the interesting theories and ideas. Professors also helped to resolve questions raised by students and teachers at the end of each talk.

[More photos](#)

香港中文大學  
The Chinese University of Hong Kong

Popular Science Special Lecture Series:  
**How Nobel Prizes Are Won**

Date: 25 November 2016 (Friday)  
Time: 16:30 – 18:45  
Venue: LI1, Cheng Yu Tung Building, CUHK

Presented by the Faculty of Science

THE NOBEL PRIZE

How Cell Eats Itself?  
Speaker: Prof. ZHUANG Xiaohong (School of Life Sciences)

How Molecules Became Machines?  
Speaker: Prof. TSUI Chit (Department of Chemistry)

A topological world: from quantum material to the origin of elementary particles  
Speaker: Prof. GU Zhengcheng (Department of Physics)

Free Registration:  
[www.cuhk.edu.hk/sci/NobelLectures2016](http://www.cuhk.edu.hk/sci/NobelLectures2016)

Science behind The Nobel Prize 2016 in Physiology or Medicine, Chemistry and Physics

## Outreach to the Younger Generations

### Science Academy for Young Talents 2016

The Centre for Promoting Science Education (CPSE) organizes courses of various disciplines for youngsters under the Science Academy for Young Talent programme each year. Faculty members are invited to lead the participants who have genuine interest in science subjects, to explore the science world. Course contents are attractive which ranged from lectures, lab experiments, demonstrations, case studies, visits etc.

CPSE aims to nurture scientifically talented students and to provide secondary school students with rigorously and systematically developed enrichment courses. May we take this opportunity to thank for all parties who participated in the teaching activities.



Dr. Chung Kwok Cheong is giving demonstrations to teenagers.

[More photos](#)



Secondary school students enjoyed Prof. Tsui Chit's lecture so much.



Prof. Yau Chun Yip is delivering a lecture at the computer lab.



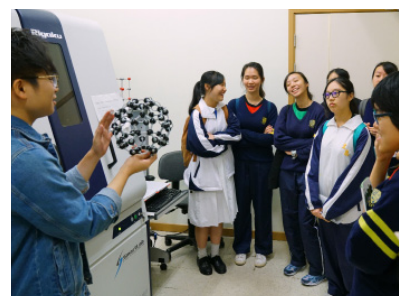
Dr. Tong Shiu Sing and the participants in front of a medical MRI machine

# Outreach to the Younger Generations



## Campus Visit offered to Senior Secondary School Students

Near one hundred senior secondary school students joined the campus visit on 12 November. Professor Wong Hoi Ying presented admission related information to students before they participated in the campus and laboratory tours. Students showed much interest on the demonstrations prepared by the units with the assistance of some sophisticated scientific instruments. Thanks to the coordinating units bringing inspiring works to the potential students.



## Admissions Information Seminar for Macau Students

Professor Shannon Au Wing Ngor represented the Faculty at the Admissions Information Seminar held at the Macau Fisherman's Wharf Convention & Exhibition Centre on 12 November. Coordinated by the Office of Admissions and Financial Aid (OAF), the event kick-off by a video introducing CUHK to the guests and students. Different faculties then delivered admission talks and explained admission information to prospective Macau students. They brought home with them ample ideas about heading to CUHK.



## Other Upcoming Admission Activities

- 7 Jan 2017 HKAGE Admission Talk 2017
- 18 - 21 Jan 2017 Outreach Activities for International Students Admissions in Malaysia
- 17 Feb 2017 Recruitment Activity in Taipei
- 8 Apr 2017 Academic Planning Day for Secondary 5 Students
- 9 - 10 May 2017 SCIENCE (JS4601) Interview
- 16 - 17 May 2017 Programme Exploration Days for JUPAS Applicants





## Teachers and Students Achievements

### Young Faculty Members honoured with International Mathematics Awards

The Faculty congratulates three young mathematicians of the Department of Mathematics who were recipients of the Morningside Silver Medal of Mathematics, the International Conference on Representations of Algebras (ICRA) Award and the New World Mathematics Awards (Doctor Thesis Award - Gold Prize).

Professor Ronald Lui Lok Ming, Associate Professor, has received the Morningside Silver Medal of Mathematics, for his remarkable accomplishments on solving fundamental problems in computational quasi-conformal geometry on general Riemannian surfaces. His findings are believed to have opened the study of human brain structures and diseases through rigorous mathematical formulation and algorithms and its application to medical imaging, computer visions and graphics.

Prof. Qiu Yu, Research Assistant Professor, was honored with the ICRA award for his contributions in the study of stability conditions and braid groups actions in Calabi-Yau categories.

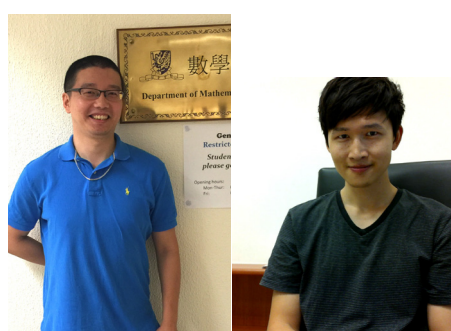
PhD graduate, Dr. Ma Ziming is the winner of the New World Mathematics Awards (Doctor Thesis Award - Gold Prize) for his PhD research thesis named 'From Witten-Morse Theory to Mirror Symmetry'.

Professor Raymond Chan, who chairs the Department of Mathematics, remarked that these achievements showed the dedication of the scholars and the leading position of the Department.



*"I will strive to push forward the field of computational quasi-conformal geometry, and to apply it to various areas, such as in medical imaging and computer visions, to benefit society."*

*by Professor Ronald Lui Lok Ming*



*Prof. Qiu Yu and Dr. Ma Ziming of Department of Mathematics.*

### Mathematics student awarded Alexandre Yersin Scholarship

Final year student Tam Ka Lok (Year 4, BSc Math) has been awarded Alexandre Yersin Scholarship in 2016. He will pursue his Master's degree in the Universite Blaise Pascal in France. Hearty congratulations on his achievement!



### "Berkeley Biosciences Study Abroad Programme" for outstanding students



*Professors and students are delighted to see the collaborations between UC Berkeley and CUHK.*

5 undergraduate students of the School of Life Sciences will spend their spring semester at the world-renowned University of California, Berkeley (UC Berkeley) in 2017. Apart from attending lectures, they will also be given internship opportunities in instructional labs to acquire hands-on experience in scientific research.

School of Life Sciences has entered into a five-year agreement with the Departments of Integrative Biology and Molecular & Cell Biology of UC Berkeley, and will offer 5 positions each year to all Life Sciences students to join the programme.



## International Junior Science Olympiad (IJSO) 2016

Congratulations to a team of six Hong Kong secondary students who have been awarded a total of one gold and five silver individual prizes, while three of them have won the third place in the Experimental Competition, in IJSO 2016 after one-year training provided by CUHK.

The Faculty of Science has assisted the Education Bureau (EDB) and the Hong Kong Academy of Gifted Education (HKAGE) in nurturing young science talents over the years. Teachers of our units are committed to support the competition by offering technical and advisory training to the students. They have started another round of training already since November 2016 to strive for further charming results in the coming competition.

May we take this opportunity to extend our gratitude to all of instructors who participate in the training. They are:

- |                         |                       |
|-------------------------|-----------------------|
| School of Life Sciences | Dr. Chung Kwok Cheong |
|                         | Dr. Cherry Chow       |
| Department of Chemistry | Dr. Chan Wing Fat     |
|                         | Dr. Cheung Yu San     |
|                         | Dr. Kendrew Mak       |
|                         | Dr. George Wong       |
| Department of Physics   | Dr. Cheng Kai Ming    |
|                         | Dr. Leung Po Kin      |
|                         | Dr. Lin Lap Ming      |



## 2016 CUHK Alumni Homecoming Day

On 26 November, alumni and their families supported the CUHK Alumni Homecoming Day amidst the pouring rain and cool weather. The Faculty of Science hosted a booth at the mall showing valuable photos of Faculty members and Science Centre. We also prepared a mini-microscope to show kids what plant cells look like. Kids were so thrilled to become scientists in lab gowns.



## CALL FOR APPLICATIONS



### Yidan Prize 2016-17

Deadline: 31 March 2017

Details: [Yidan Prize Foundation Website](#)



### Quality Education Fund

Year-round Application

Details: [QEF Website](#)

## Upcoming Events

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### Monthly Meetings with Dean of Science

Professor Henry Wong Nai Ching, Dean of Science, has arranged monthly staff meetings in an informal setting. Upcoming sessions are as follows:

26 January 2017 (Thursday)

28 April 2017 (Friday)

23 February 2017 (Thursday)

26 May 2017 (Friday)

24 March 2017 (Friday)

Venue: CN Yang Reading Room (SC126)

Time: 3:30pm - 4:30pm



### Faculty Exemplary Teaching Award cum Student Awards Presentation Ceremony

The award presentation ceremony will be held from 10:30am to 12:30pm at LT1, Yasumoto International Academic Park (YIA), CUHK on 14 January 2017 (Saturday).



### The 13th Lau Oi Wah Memorial Science Lecture Series

Speakers from School of Life Sciences, Department of Mathematics and Earth System Science Programme will deliver series of lectures of various disciplines at the captioned event to be held from 9:30am to 12:30pm on Saturday, 25 February 2017 at LT1, Cheng Yu Tung Building. For further details and registration, please stay tuned with the event [website](#).



### Science Career Fair 2017

Event that helps all years of students to plan the career path, learn more about job and internship opportunities and meet with employers.

January - February    Pre-Fair events: Seminars and Workshops

15 - 16 March

Science Career Fair: Companies exhibit openings at Science Podium

For further details, please stay tuned with the [Faculty Facebook](#).

Wishing you

a *Merry Christmas* and

another prosperous *New Year!*



## Science Faculty e-Newsletter

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