

THE UNIVERSITY OF HONG KONG FACULTY OF SCIENCE 學理學院

Entrepreneurship in the Science Family

香港大學理學院通訊

FACULTY OF SCIENCE NEWSLETTER

Scier G

ISSUE

Applications of Scientific Research

Perspectives and Achievements of Alumni in **Entrepreneurship**



https://www.scifac.hku.hk/newsletter Published in October, 2018

Message from the Chief Editor & Associate Dean (Development and External Relations)

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Dear readers,

This newsletter is dedicated to the theme "Entrepreneurship in the Science Family".

We all know that Hong Kong lags behind our competitors such as Mainland China, South Korea, Israel and

Singapore, and recently, there is major shift in the government's mindset in innovation and entrepreneurship. To steer The University of Hong Kong in a similar direction, the Senior Management Team has become increasingly proactive in providing support for establishing an ecosystem needed for the start-ups for both students and staff. The iDendron at the University, home to 40 start-ups, provides co-working space and functions as a collaborative community for students, alumni and staff to enable entrepreneur partnership. The Faculty of Science is launching a Minor in Science Entrepreneurship in the coming year; we hope that this Minor will add to the ecosystem so that future entrepreneurs of the society are seeded and incubated here in our Faculty.

A guestion arises – How to build a vibrant ecosystem for start-ups? My view is that we need to provide an environment for active recruitment and development of funding seed projects and patents by our students and staff. Incubators in the ecosystem should be able to help our entrepreneurs to build their companies by linking with investors, to grow by exploring market opportunities, and to devise financial strategies. There must also be ample opportunities for learning, such as start-up forums, workshops, talks, clubs, tech meet-up and seminars, for diffusion of innovation culture. Finally, there should be a sense of globalisation, for business expansion of the start-ups to explore the global market, particularly when Hong Kong's market is small. I believe although we are heading the right direction, there is still a long way to go. In this newsletter, we have invited 3 entrepreneurs from our Faculty to share their valuable experience, hopefully will provide insight to our students and staff for starting up their companies.

Yours sincerely,

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Professor Billy K C Chow Chief Editor Associate Dean (Development and External Relations) Professor, Chair of Endocrinology

Enrich Students' Learning Experience through Academic Advising & Participation in Diverse Activities

Being the Associate Dean (Student Affairs), I work together with the Faculty Office and university staff members to manage science undergraduate related issues; these include but not limited to the induction programme for freshmen, student counselling and academic advising, student exchange activities, course enrolment and credit transfer, student discipline and complaints, and examinations and academic merit.

For the flexible common admission 6901 Bachelor of Science (BSc) programme, academic advising is in particular crucial for shaping freshmen's university learning throughout their 4-year studies. Freshmen may face many new demands and challenges once admitted to the university. They may hesitate what major/ minor they should take and what career they should pursue after graduation. Seeing academic advising exceptionally important, I strongly encourage students to approach their Academic Advisers for advice as our teachers will help them understand the aims of university education, the culture and ethos of learning at HKU and inspire them to set their academic and personal goals. Most importantly, students will be guided to have self-reflection in which they can get a better understanding of themselves.

Through academic advising, students will be inspired and they may wish to explore more in their university life. Therefore, our Faculty strives to provide students with different types of experiential learning activities locally, overseas or in the Mainland, such as the Overseas Research Fellowship (ORF) Scheme, the Summer Research Fellowship (SRF) Scheme, internships, field trips, overseas exchange/ visiting programmes and summer studies. We believe that participation in these activities will greatly enrich our students' total learning experience and broaden their horizon. Our students will also be provided with hands-on learning

We value our students' personal growth and development. We truly hope that our students can enjoy their university life and gain fruitful learning experience during their undergraduate studies.

Dr Francis C C Ling Associate Dean (Student Affairs)

About Dr Francis C C Ling

Dr Francis C C Ling obtained his BSc(Hon) and MPhil at HKU. He worked in the Hong Kong Observatory for a short period of time and then started pursuing the PhD study at HKU. After graduation, Dr Ling joined the Department of Physics, HKU as a Lecturer and he is currently an Associate Professor in the Department. Dr Ling's research interests focus on materials physics and materials sciences of semiconductors associated with the



applications in optoelectronic, power electronic, spintronic, and Li battery, etc.

THE UNIVERSITY OF HONG KONG FACULTY OF SCIENCE

Spotlight

Entrepreneurship in the Science Family

By connecting academic knowledge to the real world, entrepreneurship plays an important role in science nowadays. At HKU Science, our teachers involve in a variety of contract research and nearly a hundred patents were issued for inventions from 2012 to 2017. Many of our alumni develop their ventures after graduation; they keep moving forward although the journey of being entrepreneurs is full of challenges. Let's hear what our alumni, Mr Stanley Yu Lun Chu, Dr Shuting Hu and Dr Kenneth King Yin Lai say.

Message from Dr Shin Cheul Kim

Director of Technology Transfer Office, HKU, Director of iDendron, HKU Innovation and Entrepreneurship Hub, and Managing Director of Versitech Limited

Overview of HKU Innovation and Entrepreneurship

Creating impact through **Innovation**, **Internationalisation** and **Interdisciplinary** is the key strategy of HKU. The Innovation is to provide new solution to the problem and is accomplished with the new product or service to society. We have a good example of HKU Innovation: HKU's DNA hybridisation technology was materialised by Guangdong Hybribio, and its HPV diagnostic kits are being used for more than 16 million tests by 1,200 hospitals across 20 countries. As the product or service is established by a company, to engage the company is critical to create Innovation from the university's technology. If there is a company who is willing to license the university's technology to develop new product, normally the industry engagement would lead to licensing before or after the collaboration. However, some disruptive technologies are hard to be digested by an existing company; creating new spin-off company would be a better option to create the Innovation. It is estimated that more than 100 start-ups are run by HKU students, alumni and staff members. The University is supporting the spin-off companies by providing education and training of Entrepreneurship, funding, co-working space, technology transfer and mentorship. Entrepreneurship is a mindset to realise the idea in spite of high level of uncertainty in product development and industry dynamics, which gains more importance as growing number of cases that new start-up companies are reshaping the world with Innovation.

For further reading, please visit https://bit.ly/2OL5Hjv



My mission is to guide the company to the centre of the whirlwind and see it fly.

Mr Stanley Yu Lun Chu Keys to Success

Founder and Chairman of the Adsale Group

1973 BSc Graduate – Strategic Mindset, Timing & Diversity

The Adsale Group grew from a micro-enterprise in 1978, with just a few members of staff, into a company with more than 300 employees, offices spreading through Beijing, Shanghai, Shenzhen and Singapore, and an agency network covering nearly 30 countries and regions. In a recent interview, Mr Stanley Yu Lun Chu, Founder and Chairman of the Adsale Group, remarked "no company is entitled to success forever".

"What's always on my mind is not how much money the company can make, but how it can survive for more decades to become a century-old company," Mr Chu said.

According to Mr Chu, to survive, apart from embracing changes, a firm needs to have good judgement, vision and react to new situations by taking the right actions at the right time. All these will require a strategic mindset.

"The company cannot rely on me only. My role is a cheerleader and to help everyone be competitive by enhancing their strategic mindset. That is to observe changes and the elements behind the changes," Mr Chu said. "Everyone can see there are changes, but when it comes to action, one word is very important – timing. It's not a matter of 'whether', but a matter of 'when'. Do the right thing at the right time. You might be too early or too late. Just like 10 years ago, Airbnb and Uber might not have worked."

Mr Chu also stressed that "diversity" is vital in corporation development, so each individual department and staff member should identify their uniqueness and unleash their potential. Diversity should be valued and nurtured. That is how new talent emerges.

Mr Chu is determined that the Adsale Group will continue to transform and reinvent itself when required in order to keep its head above water in the choppy sea of changes. "My mission is to guide the company to the centre of the whirlwind and see it fly." he said.

Chinaplas" 2018

2018

雅式四十周年"尊贵合作伙伴" 颁奖

点耀与共 感恩有

About Mr Stanley Yu Lun Chu

Major Achievements

- Founder and Chairman of the Adsale Group
- Honorary Life President of the Hong Kong Exhibition and Convention Industry Association
- Member of the Steering Committee on Meetings, Incentives, Conventions and Exhibitions of HKSAR
- Member of Tourism Strategy Group of HKSAR
- Founding Senior Member of the HKU Foundation
- Founding President of the HKU Science Alumni Association Ltd
- Ex-Co Member and Vice Chairman of the Hong Kong University Graduates Association Education Foundation
- Honorary Fellow of HKU 2011

Dr Shuting Hu

2014 PhD Graduate Director and Co-Founder of SkinData Limited

Fight for Your Dream with No Doubt

Entrepreneurship is a big challenge, especially for the technology startup. The commercialisation of technologies developed from the university has a great future, but seems quite unreachable to fresh graduates who barely have working experience.

"We are all enthusiastic about our research and technologies; but entrepreneurship is absolutely different from research and your previous technical works." Dr Shuting Hu said. "Dr Mingfu Wang, my PhD supervisor, encouraged me a lot to be an entrepreneur. He told me that I had nothing to lose because I was young. I should not hesitate to fight for my dream and he would support me. He also shared with me his knowledge, experience and even lessons of failure unreservedly. He is always the best mentor in my life."

No one knows everything when he or she was born, and we all learn from one project to another one. It will be a unique experience that benefits your entire life.



Dr Shuting Hu (middle) attended the ceremony of Henry Maso Award for Young Cosmetic Scientists in Paris, IFSCC Conference 2014.

With Dr Wang's encouragement and guidance, Dr Shuting Hu kept moving forward for her dreams; but she encountered many difficulties that were beyond her knowledge.

"We have no ideas of what business operation, financial projection, management accounts and audit are. Sometimes, we have to read pages of legal documents which are incomprehensible. Unlike big corporates, we do not have a full team of colleagues and lawyers to tackle every single problem; our cash flow is tight and it is hard to engage a lawyer due to limited budget. We have to learn everything and face all challenges by ourselves, and the process is very tough."

Despite the not-very-smooth journey, Dr Hu believes that it is a valuable opportunity. "I hope all of you will enjoy this learning process. No one knows everything when he or she was born, and we all learn from one project to another one. It will be a unique experience that benefits your entire life." Dr Hu added.

Dr Kenneth King Yin Lai Have Faith and Dare to Dream

2005 BSc Graduate Executive Director and Founder of Novus Life Sciences Limited

long Kong, China

Your attitude determines your altitude. Dare to Dream!

at wown drogma

MCNBC

Dr Kenneth King Yin Lai started his venture in a biotech startup with two other founders who also graduated from HKU in early 2014. The three young and energetic scientists got their first investment and then enrolled in the incu-bio programme of the Hong Kong Science Park in mid-2014 to establish Novus Life Sciences Limited, which is a biotechnology company dedicated to the R&D and promotion of bone health and related technologies.

"We developed new biomaterials which can be used to fix various bone damages in different parts of the body, particularly the tiny and dedicated regions. We were lucky to receive some international recognition and awards," Dr Lai shared with us. "In 2014, Novus was named 20 of the world's hottest start-ups by the Consumer News and Business Channel (CNBC) and we got the national prize 'French Tech Ticket' from France in 2017."

> Nevertheless, things were not moving smoothly all the time. "Those ups and downs during the start-up journey excited me most. You will not know what will happen tomorrow and you need to have faith in what you are doing and keep a positive mind. I was told at the beginning of my venture, that becomes my best quote - 'Your attitude determines your altitude. Dare to Dream!" said Dr Lai.



About Dr Kenneth King Yin Lai

- Executive Director and Founder of Novus Life Sciences Limited
- Obtained his BSc and PhD degrees at HKU
- Led the paternity testing department in GenePro DNAgnostic Technology Limited in 2010
- Holds a patent in HKU as one of the co-inventors

Minor in Science Entrepreneurship

To broaden the horizon of our undergraduate students with respect to entrepreneurship, to offer more competitive edge to our students via connecting their academic knowledge with the real world, and to bring students huge insights via critical analysis of the operation of existing enterprises, a new Minor in Science Entrepreneurship will be offered starting from the academic year of 2019-20.

Some highlights of the Minor in Science Entrepreneurship:

- - analysis of enterprises)
- Taking new courses tailor-made for this Minor such as organisational behaviours, leadership, principles of technology entrepreneurship, sciencebased innovation development, strategic marketing and user analysis, as well as related courses currently offered by other Faculties

opportunities through this new Minor

Message from Dr Mingfu Wang

Associate Professor of School of Biological Sciences, HKU & Chief Advisor of SkinData Limited

"I am very pleased that Shuting keeps fighting for her dream and she is now a successful entrepreneur in her interested field. No matter what difficulties you come across, don't give up. Be brave and you'll gain a lot in the process."



About Dr Shuting Hu

- Director and Co-Founder of SkinData Limited
- Obtained her PhD degree at the School of Biological Sciences, HKU in 2014
- Awarded the prestigious 2013 Henry Maso Award for Young Cosmetic Scientists by the International Federation of Societies of Cosmetic Chemists (IFSCC), a worldwide federation dedicated to international cooperation in cosmetic science. Dr Hu is the first scientist in Great China Region to receive such an award from IFSCC since 1956.



• Co-taught by other Faculties such as Faculty of Business and Economics

- Strong emphasis on practical experience:
 - Entrepreneurship internship
 - Capstone project (e.g. entrepreneurship-related competitions or business
- Mentoring offered by our alumni and others who are entrepreneurs or hold senior positions in industry/ business
- We hope that our science students will be trained to have fruitful career

Research

Microbeads from Personal Care Product to Hong Kong Waters

by Dr Christelle A Not, Department of Earth Sciences

Microbeads are plastic spheres usually smaller than 1mm found in cosmetics and personal care products as scrubbing agent. Our research found that most of surface sample water collected in Hong Kong contains

> microbeads. Paradoxically, microbeads are well retained by waste water treatment plan, but still a huge number reaches the Ocean. We also noticed that microbeads represent approximately 5% of all small plastic pieces found at the surface of the ocean of Hong Kong, suggesting that any changes in our personal habit can help to reduce plastic pollution.

Microbeads in products (left) microbeads sieved from products (middle)

microbeads recovered from water samples (right)

For Further Reading



Abundance of plastic microbeads in Hong Kong coastal water: https://bit.ly/2o2ul3z



Microbeads recovered from water samples

A Sustainable Future for the Luxury Live **Reef Fish Trade in Hong Kong**

by Professor Yvonne J Sadovy, School of Biological Sciences & SWIMS



For Further Reading

Press release: https://bit. ly/2w8CNCF



Science and Conservation of Fish Aggregations (SCRFA): http://www.SCRFA.org

Introduction of a New Food App - FoodSwitch Hong Kong

by Dr Jimmy C Y Louie, School of Biological Sciences

Have you ever encountered difficulties interpreting nutrition labels and making healthy food choices? "FoodSwitchHK" contains nutrition information of around 20,000 pre-packaged foods sold in major supermarket chains, in which it displays in easy-to-understand interpretive formats. Compiled in 2017 in conjunction with The George Institute for Global Health in Australia, our baseline data shows that there are wide intra-category variations in sodium levels in most food categories, and a serving of high salt products can provide more than 50% of the recommended maximum daily sodium intake. Yearly update of the "FoodSwitchHK" database will allow tracking of the healthiness of the local food supply over time.

foodswitch HK**Q**

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For Further Reading

Press release: https://bit. ly/2OTBJcE

Salt report: https://tinyurl.com/ fshkreport



From the left: Professor Hongzhe Sun and Dr Runming Wang

For Further Reading

Press release: https://bit.ly/2LlMjaa



Metallo- β -lactamase (MBLs)-producing bacteria (e.g. NDM-1 superbugs) significantly reduces the therapeutic efficacy of most β -lactam antibiotics, including the "last resort" carbapenems. No effective therapy is available for the treatment of MBLassociated infections. Professor Hongzhe Sun's team identified an anti-ulcer drug, colloidal bismuth subcitrate (CBS) and related bismuth compounds as a novel class of broad-spectrum MBL inhibitors. CBS irreversibly abolishes MBL activity via "killing two birds with one stone" strategy with one Bi(III) displacing two Zn(II) cofactors. The susceptibility of MBL superbugs to carbapenem was recovered by CBS both in vitro and in animal models. Co-therapy of CBS as a resistance breaker with existing antibiotics, provides an effective solution to antimicrobial resistance (AMR).

CBS suppresses resistance development and prolongs antibiotic lifespan



An average serve of noodles with sauce:

 30°

over 15%





APP Download: **FoodSwitch HK**

Discovery of a Novel Solution to Antimicrobial Resistance (AMR)

by Professor Hongzhe Sun, Department of Chemistry











Strive to Make a Better Life

Cure Eczema Slowly 🌣

Ask an Australian, it's the heat. So

Apart from having lectures at the HKU campus, our students always strive to make good use of their science knowledge and innovative mind to help create a better world for people. Harrison and Yvonne have been contributing a lot in it. Let's hear what they say.

"My story is one of circumstance and action. I was diagnosed with eczema at the age of six, tried countless doctors and treatments, never got out of it, and continued to suffer seemingly forever.

Ten years later, I regained my life. It would be a lie to say I have never thought of giving up thinking 'this will last forever...' but something in me believed that there was a solution to eczema. In 2013, I found

it, and — if I can do it, so can others — I decided to pay it forward.

Ever since, my lifelong mission is to help the 250 million patients worldwide to reverse eczema. For example, I established CureEczemaSlowly.com in 2013 and published The Eczema Manual in 2017. This required thorough time management and self-discipline. Efforts combined have since reached over 0.8 million people across 210+ countries. The impact of knowing you



are changing lives is indeed a powerful motivation to me."



HARRISON LI

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12 Annoying Eczema Contradictions That Seriously Need to Stop

BSc student (major in Food and Founder of CureEczemaSlowly.com: Author of The Eczema Manual (2017)

The Eczema Ma RELEASED!



Miss Yvonne Y 2018 BSc graduat MPhil candidate, Department of

In Hong Kong, we are always not fully aware of the carbon emissions hidden from our daily lives. Therefore, I would like to highlight the correlation between our diet and climate change. My research results showed that meat and dairy consumption emissions in Hong Kong were higher than the city's total greenhouse gas emissions. Most of the meat and dairy products are imported which contribute to significant carbon emissions. If we reduce our meat consumption, Hong Kong will be able to achieve the Paris Agreement, which aims to strengthen the countries' ability to deal with the impacts of climate change, in 2030.

Adopting a healthier diet and consuming less meat are beneficial to our health and climate. Under the supervision of Dr Christelle A Not and Dr Benoit Thibodeau, my research results were published in Environmental Research Letters at https://bit.ly/2PqRqC5."



consumption in Hong Kong

Students' Achievements



Miss Archana Anand (right), PhD candidate at the School of Biological Sciences & SWIMS, and Miss Astrid L A Andersson (left), PhD candidate at the School of Biological Sciences, were awarded 2018 National Geographic Young Explorer. Being supported by

the award, Archana will visit India to study the impact of global change on coral reefs in the Andaman and Nicobar Islands, and Astrid will contribute to conservation of Critically Endangered Yellow-crested Cockatoo (Cacatua sulphurea).

Mr John M Doherty, PhD candidate at the Department of Earth Sciences, was awarded the Best Presentation in the 10th University Consortium on Aquatic Sciences (UCAS) Postgraduate **Symposium** for his outstanding performance.

A team of 3 BSc students from Chemistry Major, Mr Gerald J Chik (second from the left), Miss Melanie Halim (second from the right) and **Mr George Y P Wong** (right), were awarded the 2nd place in the 29th Hong Kong Chemistry Olympiad for *Tertiary Institutions* which is an annual event jointly organised by

the Hong Kong Chemical Society and the Royal Society of Chemistry to promote students' interest in chemistry by finding the best solution to given chemistry problems.



Research Fellow at the School of Biological Sciences, won the Outstanding Poster Presentation Award at the 2018 Summer School on Marine Environment and Fishery Resources under Global Change which was held at National Taiwan Ocean University (NTOU), Keelung, Taiwan during July 5 – 14, 2018. This summer school was jointly organised by NTOU,

Kong and Peking University for young scientists from Hong Kong, Mainland

Dr Lily Shiru Tao (second from the right), Postdoctoral

Xiamen University, City University of Hong China and Taiwan.



Teachers' Achievements

Professor Kenneth M Y Leung, School of Biological Sciences, was appointed as a Justice of the Peace by the HKSAR Government with effect from July 1, 2018. He was also selected as one of the **2018 Top** 100 Asian Scientists by the Asian Scientist Magazine this year for his excellent achievements and contributions in fields ranging from space exploration to structural biology-and everything in between.

Dr Mingfu Wang, School of Biological Sciences, received 2018 AGFD Fellow Award by the Division of Agricultural and Food Chemistry of the American Chemical Society. This award recognises outstanding scientific contributions



Dr Moriaki Yasuhara, School of Biological Sciences, was awarded the Academic Award of the Paleontological Society of Japan this year. This award recognises distinguished academic achievements in the field of paleontology, and was established in 1995. The Society has more than 1,100 members and encourages the highest standards of professional competence in the practice of paleontology.





"Sustainability is a way of life in Sweden. My exchange study in Sweden inspired me to estimate the carbon emissions of meat products as part of my undergraduate research project.



The estimated greenhouse gas emissions in Hong Kong using different accounting methods

Faculty Achievements



Professor Jeff J F Yao, Department of Statistics and Actuarial Sciences, was conferred as a Fellow of the Institute of Mathematical Statistics (IMS) which currently has 3,500 active members throughout the world for his influential contribution to the inferential aspects of random matrix theory in the analysis of high-dimensional data.

New Staff

Dr Juan Diego Gaitán-Espitia

Assistant Professor, School of Biological Sciences

Research interests: Eco-Evolutionary dynamics, phenotypic plasticity and adaptive evolution, functional and comparative genomics, eco-physiology



"I am a marine biologist and an evolutionary ecologist from Colombia. In my research, technically, I focus on the interaction of functional ecology, quantitative genetic (phenotypic level), and molecular (transcriptomics, genomics) approaches to address organismal questions (from tiny bacteria to big whales)."

Dr Zhonghua Liu

Assistant Professor, Department of Statistics and Actuarial Science Research interests: Statistical inference for massive data, big data analytics, statistical genomics

"I did my postdoctoral studies at Havard University, and was a visiting scholar at Columbia University. My goal at HKU is to do interdisciplinary research in developing novel statistical techniques to solve scientific questions in biomedical studies and build international collaboration with leading research institutions in the world."



Dr Kenneth K H Ng Assistant Professor, Department of Chemistry Research interests: Chemical biology, chemical synthesis

'After my PhD graduation at the University of Cambridge, I decided to return to my hometown, switch gear and dive into the field of Chemical Biology, a highly interdisciplinary subject that devotes itself to the interrogation and manipulation of biological systems through various chemical and physical techniques. I hope to see you on campus!"



"It is my pleasure to join HKU. Modern computing technology makes it possible to collect big data. However, in this big data era, many traditional statistical methods no longer work in high dimensional environment. Hence, it is an opportunity as well as a challenge to deal with high dimensional data, which greatly fascinates me."

Dr Yuanliang Zhai

Assistant Professor, School of Biological Sciences



Research interests: eukaryotic DNA replication, cryo electron microscopy in structure determination

"Aberrant DNA replication is the cause of many cancers and developmental disorders. High-resolution structures can help us to understand the mechanistic functions of DNA replication machines and therefore the roots of diseases due to suboptimal functions of these machines. More importantly, structural information

can also help us identify better targets for cancer therapy such that synthetic chemicals can be custom made to fit the target."

HKU Science Oak Anniversary Celebrations in 2019

HKU Science is turning 80 in 2019! Two important and meaningful events will be held to celebrate the anniversary. Please mark your diary!



New Face of **Faculty Office**

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To welcome our Oak Anniversary, new theme walls and oak tree decoration have been set up at the Faculty of Science Office. Come visit our Faculty Office to recall the moments of your study at HKU Science!





HKU Campus Tour & Preview of Anniversary Celebrations

Activities Co-organised by the Hong Kong University Science Alumni Association (HKUSAA) & the Faculty of Science

HKUSAA co-organised with the Faculty a visit to Kadoorie Farm and Botanic Garden (KFBG) on May 26, 2018 and a HKU campus tour together with a preview of anniversary celebrations on July 21, 2018. The participating alumni and their families enjoyed the visit and campus tour very much, and look forward to upcoming anniversary events to be held in 2019.



Opening Ceremony cum Homecoming Day

We are looking forward to welcoming you to your alma mater in the coming spring at our Oak Anniversary Opening Ceremony cum Homecoming Day to kick off the year-long anniversary celebrations. The Homecoming is an excellent opportunity for us to gather the Science family on campus savouring fond memories, reviewing our milestones and envisaging our future; details of this event are as follows:

Date: March 9, 2019 (Saturday) Time: 3 pm – 6:30 pm (Cocktail reception at 2:30 pm) Venue: Loke Yew Hall, Main Campus, HKU

- Connecting with HKU Science family: Mingle with our retired teachers, professoriate staff, students and generations of alumni
- passport and join us relive the moments at HKU again! • Strolling in the campus: Join our Campus Tours and explore the new faces of HKU
- Oak tree planting
- Photo corner

Alumni Corner

• Memento for HKUers - Re-experiencing Your University Life: Get your student



Gala Dinner

This is a climax of our Oak Anniversary, which allows us to connect and meet our old and new friends in such a warm and joyful occasion. Schedule of this event is as fi

Date:	November 17
Time:	7 pm 0.25
Venue.	Conversion of the second secon
indic.	& Exhibition Hall, Hong Kong Conversion
	& Exhibition Centre, Wan Chai

3883889999 effectes



News & Events

A public lecture entitled "Saving the So Mei (Napoleon wrasse), One Fish at a Time" was held on April 17, 2018, at which Professor Yvonne J Sadovy of the School of Biological Sciences & SWIMS shared with us a

serious challenge, not only with Napoleon (So Mei in Cantonese) but also with a growing number of fish and other charismatic species being threatened by international trade, and possible solutions to this challenge.





Information Sessions for the 6901 Bachelor of Science Programme, 6729 Bachelor of 15 Science in Actuarial Science Programme and Young Scientist Scheme (YSS) - Pathway to Research were held on May 15, 2018 to provide more information to prospective students about the undergraduate study at the HKU Science and the prestigious scheme offered for outstanding students. Laboratory and campus tours were also arranged on that day.

A public lecture entitled "Treasures of Diversity: The Vast Richness of Hong Kong and Italian Coastal Waters" was held on September 11, 2018 at which **Dr Stefano** Cannicci of the School of Biological Sciences & SWIMS, introduced the burgeoning marine diversity of both Hong Kong and Italian coastal waters, and showed and explained the importance of corals, mangroves and seagrass beds and their beautiful diversity.







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https://www.edx.org/course/dinosaur-ecosystems

We would like to express our gratitude to our donors for



A cheque presentation ceremony was held on May 11, 2018 to mark

the establishment of Norman and Cecilia Yip Professorship in Bioinorganic Chemistry, which supports Professor Hongzhe Sun of the Department of Chemistry to continue his groundbreaking research in biological chemistry. The Endowed Professorship (EP) also serves as important resource for HKU Science to excel in research, which creates a ripple effect on our daily lives as mentioned by Professor Paul Tam, Provost and Deputy Vice-Chancellor of HKU.

"The Endowed Professorship just comes at an opportune time to symbolise a paramount start of our anniversary fund," said Professor Matthew Evans, Dean

> of Science. Professor Evans also expressed his vision of HKU Science's testament in research leadership, scaling new heights and being visible on the world map.



In early July 2018, Professor Matthew Evans, Dean of Science, led a delegation from the Faculty to visit science and technology institutes at Zhejiang Province, China – an emerging innovation hub located in the fast-growing Yangtze River Delta Region, forging strong ties for future collaboration opportunities. The delegation visited the Faculty of Science and College of Life Sciences of Zhejiang University, Zhejiang Foreign Science and Technology Exchange Center and HKU Zhejiang Institute of Research and Innovation (HKU-ZIRI).

The visits provided a good platform for fostering future collaborations among the Faculty and the leading institutes, echoing the Faculty's vision of strengthening its leading position in Asia and being competitive globally.

The Shaw Prize Lecture on Mathematical Sciences 2018 "The Mathematics of Phase Transition" was held on September 27, 2018 at which Professor Luis A Caffarelli, Shaw Laureate in Mathematical Sciences 2018 and Professor of Mathematics at the University of Texas at Austin, USA, presented some models of "phase transitions like" phenomena and a flavour of the mathematics involved.

esteemed colleague, Professor Xing Xu of the Institute of Vertebrate Paleontology and Paleoanthropology, Beijing, introduced the next edition of "Dinosaur Ecosystems" starting from October 4, 2018 at Massive Open Online Course (MOOC) learning platform of edX, a quality education provider offering high-quality courses from the world's best universities and institutions to learners everywhere. Registrants can enroll in the course on their schedule and learn at their own pace. For more information, please visit:

Dr Michael Pittman of the Department of Earth Sciences, in collaboration with his

ndividual donors

- Mr Sai Wah Li

- Mr Gangxiang Peng

Corporate donors

- Flora Conservation Department, Kadoorie Farm and Botanic Garden

Acknowledgement

- The Indian Chamber 60th Anniversary Education Trust
- K11 Concepts Limited
- Science and Conservation of Fish Aggregation
- Shenzhen Suoxinda Data Technology Company Limited (for establishing a TPG scholarship named "Suoxinda Scholarship in Data Science") The Swire Group Charitable Trust
- The TUYF Charitable Trust