

**SCIENCE FACULTY**

**Research Day 2017**

13 June 2017 Tuesday

9:15a.m. - 12:20p.m.

L2, Science Centre

Faculty of Science  
The Chinese University of Hong Kong

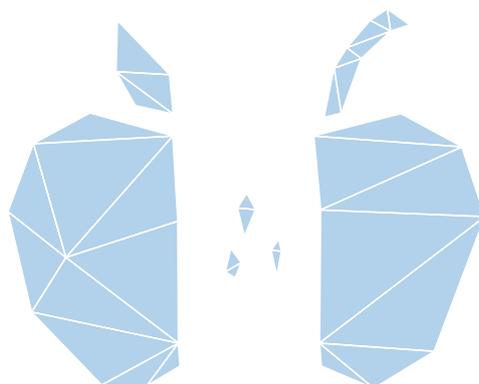


# EVENT PROGRAMME

- 09:15 - 09:30      **Opening Ceremony**
- 09:30 - 10:00      **Experience Sharing on GRF Bio-Med Panel**  
*Professor CHEN Zhenyu*  
Professor, School of Life Sciences
- 10:00 - 10:30      **Daily Life of a RGC Member:  
Dos and Don'ts for a RGC Proposal**  
*Professor CHAN Ngai Hang*  
Choh-Ming Li Professor of Statistics, Department of Statistics
- 10:30 - 11:00      **My 16-year RGC Grant Applications**  
*Professor JIANG Linwen*  
Choh-Ming Li Professor of Life Sciences, School of Life Sciences
- 11:00 - 11:15      **Tea Break**
- 11:15 - 11:45      **Three Journeys to CRF**  
*Professor MIAO Qian*  
Professor, Department of Chemistry
- 11:45 - 12:15      **Experience Sharing on Preparing a  
GRF Grant Proposal**  
*Professor LEUNG Nai Chung, Conan*  
Professor, Department of Mathematics
- 12:15 - 12:20      **Event Closing**



卓越  
研究



## Excellence in Research

The Faculty of Science is proud to be home of over 100 dedicated scientists conducting cutting-edge research in various areas of science. Our staff and students remain committed to our Faculty's Mission in expanding the frontiers of human knowledge, aiming to build a better world for the future.

理學院擁有一支充滿熱誠的科研隊伍，逾百名科學家在多個領域進行尖端研究。我們的教職員與學生將秉承一貫的宗旨，擴展人類知識領域，為未來建立一個更美好的世界。

# Message from the Dean of Science

**W**elcome to the Faculty of Science Research Day 2017. Every year, the Faculty organizes a Research Day on which staff members would have a chance to share on matters concerning the promotion of research at the Faculty. The highlight of this year's Research Day is on how to enhance success rate in research grant application.



We are all aware of the significant change in UGC research funding mechanism from 2012-2013. Before 2012-13, most of the research funding was allocated based on the performance in Research Assessment Exercise (RAE). Starting from 2012-13, part of the research portion (R-portion) of the Block Grant would be distributed on a more competitive basis according to universities' success in the Research Grants Council (RGC)'s Earmarked Research Grant (ERG) projects in the past 12 months. By 2020-21, around half of the R-portion would be distributed making use of this mechanism. The competition in R-Portion is rigorous and its allocation will significantly affect the financial positions of our Departments and School. In order to elevate research at the Faculty of Science to the highest level internationally, and to secure more research funding, the Faculty of Science Research Day 2017 is a good opportunity for us to review our research strategies as well as to plan ahead to secure more research grants.

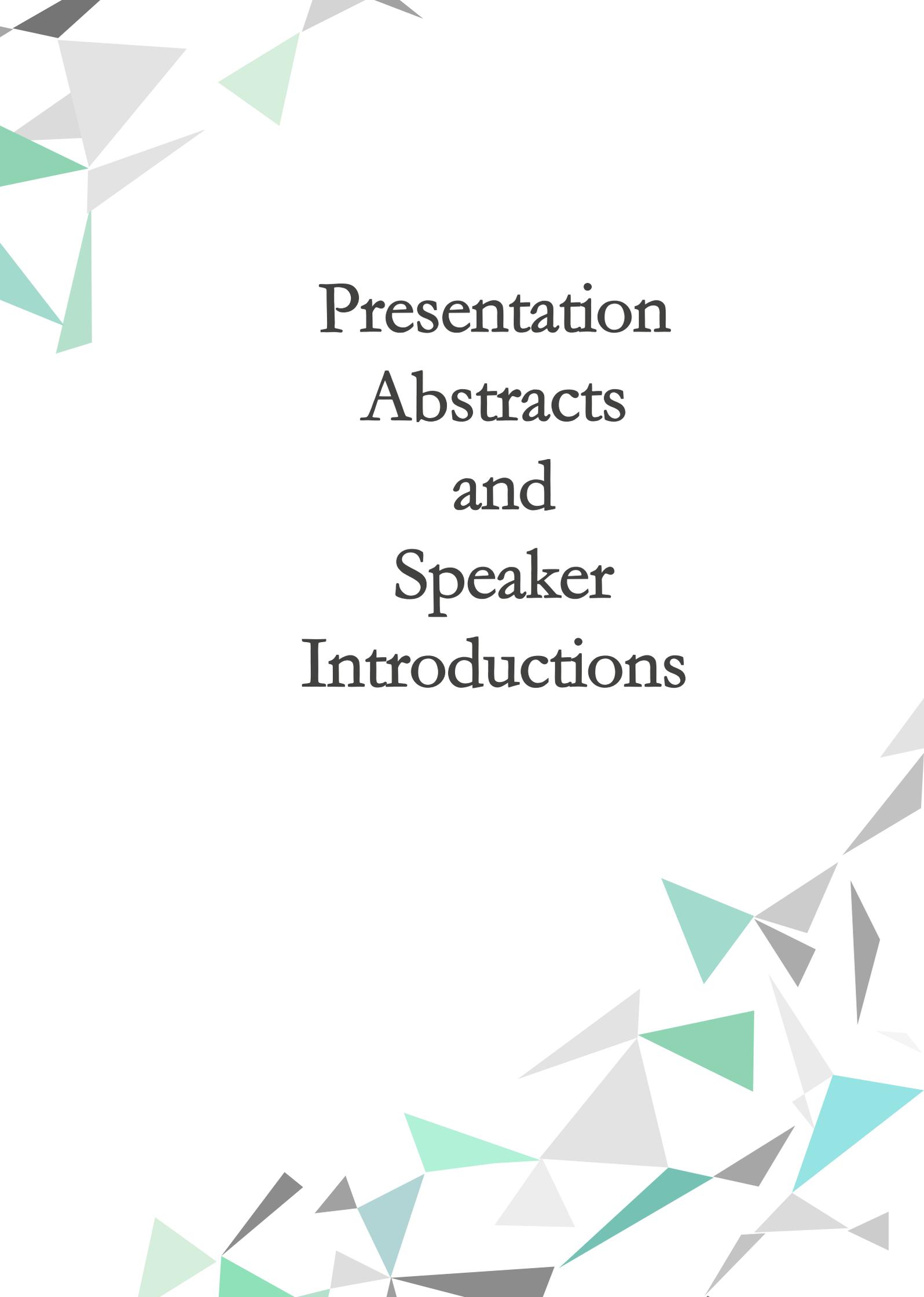
We are fortunate to be able to invite two former RGC Panel members and three experienced Faculty members to share with us their invaluable experiences in evaluation and selection of successful RGC proposals. These colleagues will also show us how to prepare good research proposals for different RGC research funding schemes including AoE, CRF and GRF. In the first part, we have Professor Chen Zhenyu, a former RGC Panel member in Biology and Medicine Panel, and Professor Chan Ngai Hang, a former RGC Panel member in the Physical Sciences Panel to share with us on how each proposal was handled by their respective Panel, the definition of "good" proposals, some dos and don'ts, and how PI can maximize their chance to secure research grants from the RGC. In the second part, we have three grants-winning staff members, Professor Jiang Liwen, Professor Miao Qian and Professor Leung Nai Chung, Conan who will share with us their personal experience and some useful tips in preparing successful research grant proposals in AoE, CRF and GRF respectively.

It is indeed our pleasure to have a Panel of five distinguished speakers today. I am sure the event today is an invaluable and unique occasion for exchange of ideas for both our junior and senior staff members. I wish you every success in your research grant applications.

Yours sincerely,

A handwritten signature in blue ink, which appears to read "Henry N.C. Wong". The signature is stylized and cursive.

Henry N.C. Wong

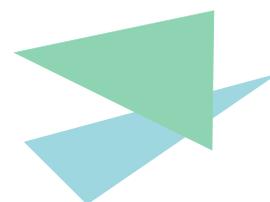


Presentation  
Abstracts  
and  
Speaker  
Introductions



## Professor CHEN Zhenyu

Professor  
School of Life Sciences



Professor CHEN Zhenyu is currently professor in the School of Life Sciences, CUHK. He is the Fellow of American Chemical Society (Agricultural and Food Chemistry Division), and the Fellow of Royal Society of Chemistry, UK. He received his Ph.D. degree in 1989 from University of Massachusetts at Amherst, USA and then took his postdoctoral research in Department of Nutritional Science of University Toronto during 1989-1991. Before he joined the Chinese University of Hong Kong, Professor Chen worked in Nutrition Research Division, Health Protection Branch, Health Canada during 1992-1994. Professor Chen's research interest focuses on bioactivity of nutraceuticals, functional foods, fatty acids and cholesterol. Professor Chen has published more than 230 original scientific papers with total citations of >11,000 and an H-index 57. Professor Chen is currently associate editor of Journal of Agricultural and Food Chemistry (ACS journal). Professor Chen has received several awards including the Advancement of the Application of Agricultural and Food Chemistry Award by the American Chemical Society in 2016, the Higher Education Outstanding Scientific Research Output Award for Natural Science by the Ministry of Education in China in 2010, and the Research Excellence Award by The Chinese University of Hong Kong in 2009.

## Experience sharing on GRF Bio-Med Panel

This presentation is to share my experience as a member of RGC Biology and Medicine Panel with the aims to discuss: (1) how is each proposal handled by the Panel? (2) what is a “good” proposal? (3) how can PI maximize the chance of success? The presentation is solely based on my observations and not in any respect on behalf of the Biology and Medicine Panel.





## Professor CHAN Ngai Hang

Choh-Ming Li Professor of Statistics  
Department of Statistics



Professor CHAN Ngai Hang is the Choh-Ming Li Professor of Statistics at The Chinese University of Hong Kong, where he was the Chairman of the Department of Statistics from 2003 to 2013. He served on the NSF panel, Changjiang Scholar award Panel, and the Physical Sciences Panel of the RGC for a number of years.

### Daily Life of a RGC Member: dos and don'ts for a RGC Proposal

This talk will discuss the timeline and information about proposal evaluations in the RGC. Some insights and experiences about research proposals: including preparations, evaluations, post-outcome management and dos and don'ts will be discussed.



**Do's & Don'ts**



## **Professor JIANG Liwen**

**Choh-Ming Li Professor of Life Sciences  
School of Life Sciences**



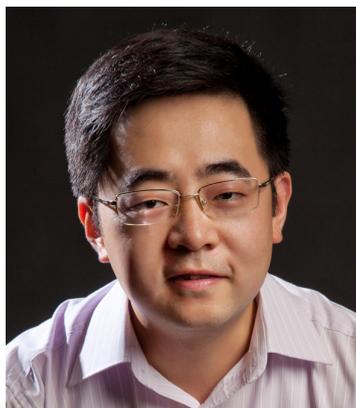
Professor JIANG Liwen is currently Choh-Ming Li Professor of Life Sciences and Director of AoE Centre for Organelle Biogenesis and Function, as well as Director of Centre for Cell and Developmental Biology at the School of Life Sciences, CUHK. Professor Jiang joined the Department of Biology of CUHK as an Assistant Professor in 2000 and was promoted as Professor in 2007.

Graduate students and postdoctoral researchers supervised by Professor Jiang have received many prestigious awards for their research excellence, including CUHK Young Scholars Dissertation Awards (three times), Postgraduate Research Output Award (five times), Keystone Symposia Scholarships USA (twice) and Human Frontier Science Program Long-Term Fellowships (twice), as well as the Thousand Talents Plan of China (twice).

## **My 16-year RGC Grant Applications**

Since joining CUHK in 2000, like everyone, I have been working very hard for grant application in supporting our research and teaching program. Fortunately, as PI or PC, I have been awarded multiple major research grants, including two long-term RGC/GRF grants, three CRF grants and one AoE grant. In this talk, I will share my personal experience on various grant applications with a focus on the RGC-AoE funding scheme.





## Professor MIAO Qian

Professor  
Department of Chemistry



Professor MAIO Qian graduated from University of Science and Technology of China with B.Sc. degree in 2000. He received his Ph.D. degree from Columbia University in 2005 under the direction of Prof. Colin Nuckolls, and then did postdoctoral research with Prof. Fred Wudl in University of California, Los Angeles. He joined the Chinese University of Hong Kong as an Assistant Professor in 2006, and was promoted to Associate Professor in 2012 as well as Professor in 2016. His research group investigates novel functional  $\pi$ -molecules and high-performance organic electronic materials on the basis of organic chemistry using tools from organic synthesis, supramolecular chemistry and surface chemistry.

### Three Journeys to CRF

I have been actively involved in three successful applications of the Collaborative Research Fund (CRF), as a Co-PI twice and as a Project Coordinator once. In this presentation, I will share my experience in these applications and what I learned from it.





## **Professor LEUNG Nai Chung**

**Professor**

**Department of Mathematics**



Professor LEUNG Nai Chung, Conan received his PhD degree in Mathematics from MIT under the supervision of I.M. Singer and S.T. Yau in the year 1993. He has been working in the University of Minnesota for ten years before joining the Department of Mathematics and The Institute of Mathematical Sciences of CUHK in the year 2004. He is currently a Professor of Mathematics. Professor Leung's main research areas are Geometry and Mathematical Physics, with special emphasis on Mirror Symmetry on Calabi-Yau manifolds.

## **Experience Sharing on Preparing a GRF Grant Proposal**

**I**n this talk, I will share my own experience on preparing GRF grant proposals. Even though standard for evaluations of grant proposals varies among different subjects, I hope some perspectives might be useful for everyone.





SCIENCE FACULTY

**Research Day 2017**