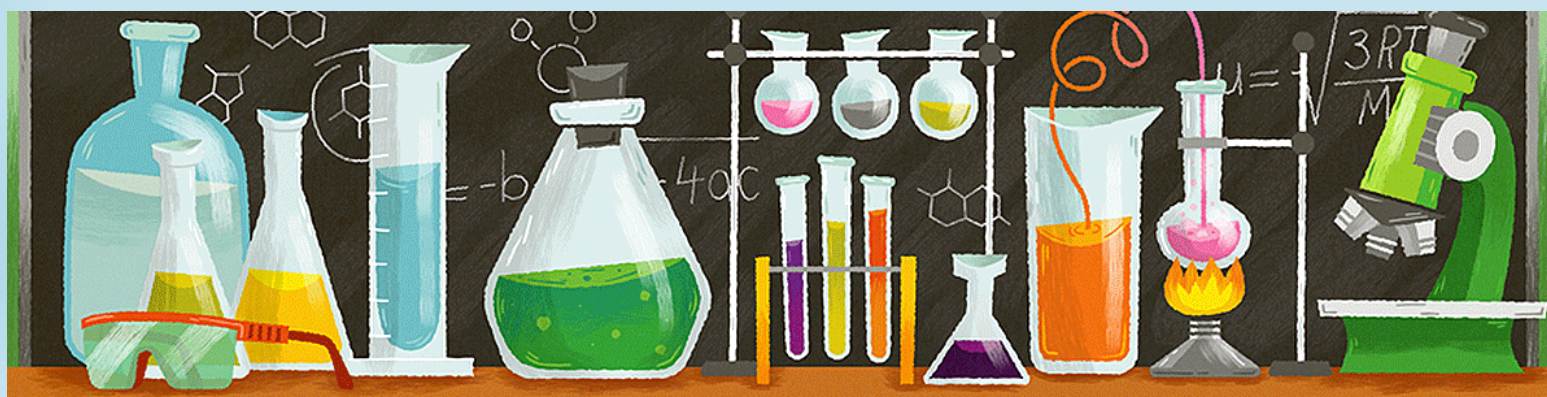




# Research Postgraduate Studies

@ Department of Chemistry  
The University of Hong Kong  
香港大學 化學系

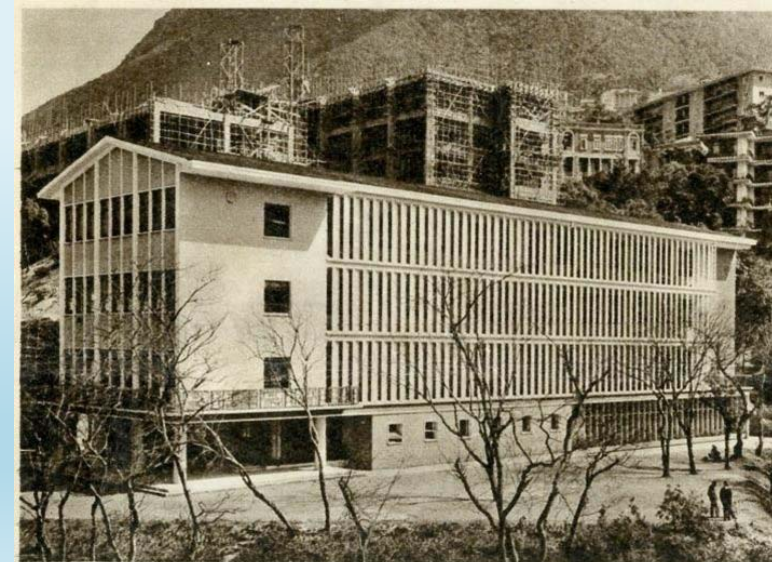
November 09, 2020



# The Department of Chemistry (化學系)



- **1913-20:** Pure science subjects offered in the Faculty of Arts:  
**Chemistry**, math, physics
  - *Up to 1939: five science graduates*
  - First housed in the Main building
- **1913-20:** Pure science subjects offered in the Faculty of Arts: **Chemistry**, math, physics
  - *Up to 1939: five science graduates*
  - First housed in the Main building
- **1939:** Faculty of Science formed: 4 Founding Departments; Biology, **Chemistry**, Math, Physics
- **1939-44:** Prof. George T. Byrne, first Head of Chemistry Department



# Major Interdisciplinary Research & Platforms

(一個國家重點實驗室和三個中科院-香港大學聯合實驗室)



**Materials Science**



**State Key Lab of Synthetic Chemistry**

**State-of-Art Facilities:**  
 High Performance Tandem  
 Mass Spectrometry,  
 NMR Spectroscopy,  
 Protein Crystallography,  
 Ultra-fast femto- to  
 nano-second  
 Laser Spectroscopy

**Chemical Biology**



**Rigaku SmartLab 9kW**

**Bruker X8 PROTUEM**



**Bruker VENTURE MetalJet X-ray diffractometer**



**Thermo Orbitrap Fusion**

**Bruker Xtreme TOF/TOF**



**Analytical Science**

**Chemical Biology Centre**

**HKU-CAS Joint Lab on New Materials**

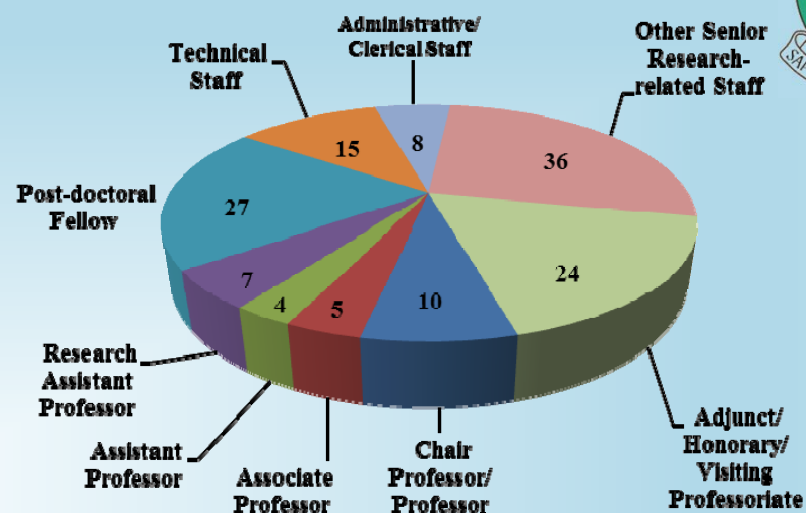


**Computational Science**

**Energy & Environment**

# Major Achievements

- **QS World University Rankings by Subject 2016: Chemistry – 23<sup>rd</sup> in the World**
- *Members of the Chinese Academy of Sciences (2名中科院院士)*
- *Foreign Associates of the United States National Academy of Sciences (2)*
- Foreign Member of Academia Europaea (1)
- Fellows of TWAS, The World Academy of Sciences (2)
- Royal Society of Chemistry Centenary Medals (2)
- Royal Society of Chemistry Ludwig Mond Award (1)
- **TWAS Prizes in Chemistry (2)**
- State Natural Science Awards (國家自然科學獎一等和二等) (one **First Class Prize** and one **Second Class Prize**) (2)
  
- **L'ORÉAL-UNESCO Awards for Women in Sciences – Laureate (1)**
- **Chinese Young Women in Science Fellowship (1)**
- **Seaborg Lectureships at UC Berkeley (2)**
- **Edward Clark Lee Lectureship at the University of Chicago (2)**
- **Lavoisier Lectureship at the University of Paris Diderot 7 (1)**
- **Novartis Chemistry Lectureship Award (1)**
- **Davison Lectureship at MIT (1)**
- **Earl L. Muetterties Lectureship at UC Berkeley (1)**

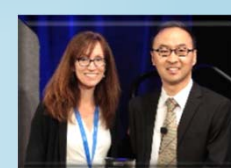
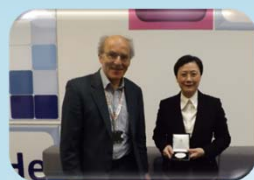


## • Hong Kong PhD Fellowship

- Sartorius HK Scholarship
- The winner of the HK young scientist award in 2014
- The finalist (top 45 candidates) of Reaxys Prize
- The Springer Thesis Prize
- SciFinder Future Leaders Program
- The best presentation award in the 17th International Conference on Biological Inorganic Chemistry
- The Best Poster Presentation Award - The 5th Asian Conference on Coordination Chemistry Committee
- Croucher Postdoctoral Fellowship

# The Department of Chemistry

Academic Professional Staff and Lecturers (24 Professors + 3 Lecturers)



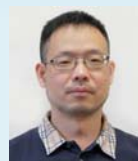
Dr. H.Y. Au-Yeung



Prof. K.Y. Chan



Head of Dept  
Prof. C.M. Che



Prof. G.H. Chen



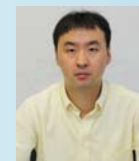
Prof. P. Chiu



Dr. I.K. Chu



Prof. DX. Li



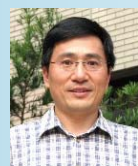
Prof. X.C. Li



Dr. X.Y. Li



Prof. D.L. Phillips



Prof. H.Z. Sun



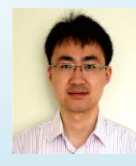
Dr. J.Y. Tang



Dr. P.H. Toy



Dr. E.C.M. Tse



Dr. Y.F. Wang



Prof. V.W.W. Yam



Prof. D. Yang



Dr. J. Yang



Dr. W.T. Chan



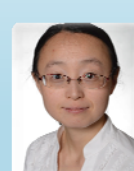
Dr. A.P.L. Tong



Dr. A.M.Y. Yuen



Drs. Kou Okuro



Y Li



ZX Huang



JZ Liu



J He



YX Li

**New colleagues**

# How we “make” graduate students?



# Graduate Students are “Grown”

- Research is an **apprenticeship**



# What kind of research students do we seek?



Passionate  
Professional



Able  
Analytical



Diligent  
Dedicated



**Creative  
and Entrepreneurial**





# HKU Chemistry operates a student-centered recruitment:

- Professors/supervisors' information (background, research interests, publications) is freely available on the Department of Chemistry website, and on posters in the lobby, if you can visit the Department
- We let students take the initiative to select supervisors based on their interests: you make the choice!
- You are free to make appointments (by email) to have a meeting to further discuss your studies and interests with potential supervisors (meeting by Zoom or Skype or Tencent meeting...)
- \*When you make your graduate application, you should **indicate** your targeted supervisor(s)



# Financial Assistance and Support

- **Hong Kong PhD Fellowships, HKPF (PhD applicants only)**
  - Higher stipend per month HK\$ 26,600.
  - Guaranteed HKU accommodations for their first year of study
  - \$13,300 per year conference travel allowance
- **HKU Presidential PhD Scholarship (HKU-PS) (HK\$>20,000 cash award p.a.)**
- **University Postgraduate Fellowships (PhD applicants only)**
  - Awarded HK\$70,000 total on top of the Postgraduate Scholarships
- **Postgraduate Scholarships (Guaranteed for all accepted RPg students)**
  - HK\$16,330 per month (as of today)
- All funded positions will also require up to 100 hours of services to department (e.g. teaching)





# How to apply:

- **Contact** and discuss intent and interests with potential supervisors
- After selecting a Supervisor whose has accepted you to be considered, proceed with HKU Graduate School and HKPF application
- The Department/your supervisor will offer help with application materials—eg. writing of Vision statement and research proposal
  - Note that the submission once uploaded may not be revisable
  - So be sure that the documents are the best versions possible before uploading
- In the meantime, keep contact with Supervisor—study hard—academic results do count!
- **Deadline: December 1, 2020, noon**
- HKPF candidates will need to also participate in a phone or Skype interview

# Submission Items for Graduate School application



- Identified Proposed supervisor
- Vision statement
- Research proposal (Graduate School website provides a template)
- Completed application form
- Soft copies of supporting documents (eg. certificates, transcripts, publications)
- Two letters of reference (Referees submit directly online to application website)
- English Proficiency Tests (eg. TOEFL **Internet test >80**, IELTS **>5.5 and overall  $\geq 6$** )
- Pay application fee



# HKPF: Many levels of selection

- Individual+ Supervisor →
- Department level →
- Faculty of Science Level →
- University Level →
- FINAL GOVERNMENT LEVEL



<https://www.gradsch.hku.hk/gradsch/prospective-students/mphil-phd-alumni-student-stories/student-stories>

# Application Results:

- HKPF results: announcement ~mid-March
- UPF results: decisions follow HKPF results, from April to ~July
- Formal RPg admission offers: after Supervisor decides and initiates the paper work (including financial arrangements), conditional offer/offer letter will be sent in 2-3 months
- Every year the timing has been somewhat different due to different funding sources and situations—it is best to keep in touch with your potential Supervisor on the progress

Ask before you borrow

Be nice to everyone  
(not just the PI)

Safety first

Follow through  
(be reliable)

## How to be a Good Labmate

Be helpful  
(Do  
chores)

Supply  
Low? Tell  
someone

Be patient  
when  
waiting

Invest in your project    Pick up after yourself