The Department of Chemistry (化學系)

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  - *Up to 1939: five science graduates*
  - First housed in the Main building

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- **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

Chemical Biology

Analytical Science

Energy & Environment

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

Computational Science

Bruker Xtreme TOF/TOF

Thermo Orbitrap Fusion

Rigaku SmartLab 9kW

Bruker X8 PROTUEM

Bruker VENTURE MetalJet X-ray diffractometer

© Bruker AXS Bruker VENTURE
Major Achievements

- QS World University Rankings by Subject 2016: Chemistry – 23rd 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. Muetteties 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)

Head of Dept Prof. C.M. Che

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

New colleagues

Drs. Kou Okuro
Y Li
ZX Huang
JZ Liu
J He
YX Li
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 ≥ 6)
• Pay application fee
More Information

• Information on Graduate Studies at HKU:

• Detailed Instructions on Application procedure:
HKPF: Many levels of selection

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

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
How to be a Good Labmate

- Ask before you borrow
- Be nice to everyone (not just the PI)
- Safety first (be reliable)
- Follow through
- Be helpful (Do chores)
- Supply low? Tell someone
- Be patient when waiting
- Invest in your project
- Pick up after yourself