

## PAULINE CHIU

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Department of Chemistry  
The University of Hong Kong  
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**Present Position:** Associate Professor in Organic Chemistry

### Academic Experience:

6/2007-present: Associate Professor, The University of Hong Kong

9/2001-5/2007: Assistant Professor, The University of Hong Kong

12/2000-8/2001: Research Assistant Professor, The University of Hong Kong

12/1997-11/2000: Research Fellow, The University of Hong Kong

12/1995-11/1997: Postdoctoral Fellow, The University of Hong Kong, Prof. K. F. Cheng

2/1994-5/1995: Postdoctoral Fellow, Columbia University  
Scholarship support from the National Science & Engineering Research Council of Canada

**Prof. Samuel J. Danishefsky**, Professor of Chemistry, Columbia University and Eugene W. Kettering Chair at Memorial Sloan Kettering Institute for Cancer Research, New York

9/1990-1/1994: Ph. D., University of Toronto  
Under scholarship support from the National Science & Engineering Research Council of Canada

**Prof. Mark Lautens**, Astra Zeneca Professor of Organic Synthesis and NSERC/Merck Frosst Industrial Research Chair

Thesis: "Ring-Opening Reactions of Oxabicyclic Compounds: Unsymmetrical Substrates and Reduction"

9/1988-8/1990: M. Sc., University of Toronto  
Under scholarship support from the National Science & Engineering Research Council of Canada

**Prof. Adrian G. Brook**, University Professor

Thesis: "Reactions of Stable Silenes with Grignard Reagents"

9/1984-8/1988: B. Sc. *Honours*, Specialist in Chemistry, University of Toronto  
**Prof. Adrian G. Brook**, University Professor

Undergraduate Thesis: "Reactions of Organometallic Reagents with Silenes"

9/1979-8/1984: Grades 9-13, Thornlea Secondary School, Thornhill, Ontario, Canada  
Ontario Secondary School Honours Graduation Diploma

**Other Appointments:**

June 17-30, 2005 Visit sponsored by the Germany-Hong Kong DAAD-RGC Joint Scheme,  
Institute of Organic Chemistry, Technical University of Dresden. Bergstr. 66,  
D-01069 Dresden Germany  
Host: Prof. Peter Metz

August 1-15, 2006 Visiting Research Scientist  
Department of Chemistry, Virginia Polytechnic Institute and State  
University, Blacksburg, Virginia, US  
Host: Prof. Paul A. Carlier

September 14-24, 2008 Visit to the Department of Chemistry, Universite Louis Pasteur Strasbourg  
December 7-22, 2009 Strasbourg, France, sponsored by France-Hong Kong Procore-RGC Joint  
Research Scheme  
Host: Prof. Michel Miesch

## A. RESEARCH

### 1. RECOGNITIONS AND AWARDS:

- July 2001* The 11th IUPAC Symposium on Organometallic Chemistry directed towards Organic Synthesis: Poster Presentation Award  
*Sponsored by Georg Thieme Verlag (Synlett)*  
*Co-awardees include Prof. E. Peter Kündig, University of Geneva*
- July 2003* 2003 Summer Symposium of Synthetic Organic Chemistry Lectureship Awardee  
*Award given to fifteen Japanese chemists and two foreign young chemists annually by the Society of Synthetic Organic Chemistry, Japan*  
*Co-awardee: Prof. James Leighton, Columbia University*
- Oct 2006* The 1<sup>st</sup> International Conference on Cutting-edge Organic Chemistry in Asia Core Lectureship Award  
*Sponsored by Korean Science and Engineering Foundation (KOSEF)/CMDS-CBMH*  
*Lectureship tour in Korea*
- Oct 2006* The 1<sup>st</sup> International Conference on Cutting-edge Organic Chemistry in Asia Core Lectureship Award  
*Sponsored by Nanyang Technological University, Singapore*  
*Lectureship tour in Singapore*
- Sept 2007* The 2<sup>nd</sup> International Conference on Cutting-edge Organic Chemistry in Asia, Asian CORE Program Lectureship Award  
*Sponsored by the Japan Society for Promotion of Sciences (JSPS)*  
*Lectureship tour in Japan*
- Sept 2007* The 2<sup>nd</sup> International Conference on Cutting-edge Organic Chemistry in Asia, Asian CORE Program Lectureship Award  
*Sponsored by the National Science Foundation of China (NSFC)*  
*Lectureship tour in China*
- Nov 2006* The 2007 University Research Output Prize  
*Awarded by the University Research Committee, The University of Hong Kong*  
*Research award of \$100,000*

### **Postdoctoral Scholarships and Awards**

- 1994-1995* National Science & Engineering Research Council of Canada Postdoctoral Fellowship

## 2. PUBLICATIONS: (SINCE 2001)

### 2001

16. *A Rhodium Carbene Cyclization-Cycloaddition Cascade Strategy toward the Pseudolaric Acids.* Chiu, P.\*; Chen, B.; Cheng, K. F. *Org. Lett.* **2001**, 3, 1721-1724. (IP2003= 4.092)
17. *Application of the Tandem Stryker Reduction-Aldol Cyclization Strategy to the Asymmetric Synthesis of Lucinone.* Chiu, P.\*; Szeto, C. P.; Geng, Z.; Cheng, K. F. *Tetrahedron Lett.* **2001**, 42, 4091-4093. (IP2003= 2.326)
18. *Tandem Conjugate Reduction-Aldol Cyclizations Using Stryker's Reagent.* Chiu, P.\* Szeto, C. P.; Geng, Z.; Cheng, K. F. *Org. Lett.* **2001**, 3, 1901-1903. (IP2003= 4.092)

### 2002

19. *Explorations in Organic Chemistry Leading to the Total Synthesis of (±)-Gelsemine.* Ng, F. W.; Lin, H.; Chiu, P.; Danishefsky, S. J.\* *J. Am. Chem. Soc.* **2002**, 124, 9812-9824; Additions and Corrections, *J. Am. Chem. Soc.* **2003**, 125, 13303.

### 2003

20. *An Expedient Preparation of Stryker's Reagent.* Chiu, P. \*; Li, Z.; Fung, K. C. M. *Tetrahedron Lett.* **2003**, 44, 455-457.
21. *A Tandem Metal Carbene Cyclization-Cycloaddition Approach to the Pseudolaric Acids.* Chen, B.; Ko, R. Y. Y.; Yuen, M. S. M; Cheng, K. F.; Chiu, P. \* *J. Org. Chem.* **2003**, 68, 4195-4205

### 2004

22. *Desymmetrizations of Meso Oxabicyclic Compounds by Asymmetric C-H Insertion.* Chiu, P.\*; Zhang, X.; Ko, R. Y. Y. *Tetrahedron Lett.* **2004**, 45, 1531-1534.
23. *An Expeditious Nazarov Cyclization Strategy to the Hydroazulene Core of Guanacastepene A.* Chiu, P. \*; Li, S. *Org. Lett.* **2004**, 6, 613-616
24. *A Synthesis of the Tetracyclic Carboskeleton of Isaindigotidione.* Poon, C. Y.; Chiu, P.\* *Tetrahedron Lett.* **2004**, 45, 2985-2988.
25. *New Triterpene Peroxides from *Pseudolarix kaempferi*.* Zhou, T.; Zhang, H.; Zhu, N.; Chiu, P.\* *Tetrahedron* **2004**, 60, 4931-4936.
26. *Reductive and Catalytic Reductive Aldol Cyclizations of Alkynediones Induced by Stryker's Reagent.* Chiu, P. \*; Leung, S. K. *Chem. Commun.* **2004**, 2308-2309.
27. *Polystyrene-supported Triphenylarsine Reagents and Their Use in Suzuki Cross-coupling Reactions.* Lau, K. C. Y.; He, H. S.; Chiu, P.\*; Toy, P. H.\* *J. Comb. Chem.* **2004**, 6, 955-960.
28. *Organosilanes in Copper-mediated Conjugate Reductions and Reductive Aldol Reactions,* Chiu, P. *Synthesis* **2004**, 2210-2215.

### 2005

29. *Reductive Intramolecular Henry Reactions Induced by Stryker's Reagent.* Chiu, P.\*; Chung, W. K. *Synlett* **2005**, 55-58.
30. *Dihydrochalcones from the Leaves of PIERIS JAPONICA.* Yao, G.-M.; Ding, Y.; Quo, J.-P.; Wang, H.-B.; Wang, Y.-B.; Ding, B.-Y.; Chiu, P.; Qin, G.-W.\* *J. Nat. Prod.* **2005**, 68, 392-396.
31. *Metal-catalyzed cyclopropanations on the 8-oxabicyclo[3.2.1]octene template.* Leung, S. K.; Chiu, P.\* *Tetrahedron Lett.* **2005**, 46, 2709.
32. *Application of the Carbene Cyclization Cycloaddition Cascade in Total Synthesis.* Chiu, P. *Pure and Appl. Chem.* **2005**, 77, 1183-1189.
33. *Pseudolaric acid B, a novel class of microtubule-destabilizing agent circumvents a multi-drug resistant phenotype and exhibits antitumor activity in vivo.* Wong, V. K. M.; Chiu, P.; Chung, S. S. M.; Chow, L. M. C.; Zhao, Y. Z.; Yang, B. B.; Ko, B. C. B.\* *Clin. Cancer Res.* **2005**, 11 (16), 6002-6011.
34. *Time-Resolved Resonance Raman Observation of the 2-Fluorenylnitrenium Ion Reaction With Guanosine to Form a C8-Intermediate.* Chan, P. Y.; Kwok, W. M.; Lam, S. K.; Chiu, P.; Phillips, D. L.\* *J. Am. Chem. Soc.* **2005**, 8246-8247.
35. *Copper-catalyzed hydrostannation of activated alkynes.* Leung, L. T.; Leung, S. K.; Chiu, P.\* *Org. Lett.* **2005**, 7, 5249-5252.

## 2006

36. *Hydrostannation of activated alkynes mediated by Stryker's reagent.* Chiu, P.\*; Leung, L. T. *Pure and Appl. Chem.* **2006**, 78, 281-286.
37. *Synthesis, Structures, and Olefin Polymerization Characteristics of Group 4 Catalysts [Zr{(OAr)<sub>2</sub>py}Cl<sub>2</sub>(D)] (D = O-Donors, Cl[HPR<sub>3</sub>]) Supported by Tridentate Pyridine-2,6-bis(aryloxy) Ligands.* Chan, M. C. W.\*; Tam, K. H.; Zhu, N.; Chiu, P.; Matsui, S. *Organometallics* **2006**, 25, 785-792.
38. *Allenes as dipolarophiles in the intramolecular carbene cyclization cycloaddition cascade reaction.* Zhang, X.; Ko, R. Y. Y.; Li, S.; Miao, R.; Chiu, P.\* *Synlett* **2006**, 1197-1200.
39. *Total synthesis of pseudolaric acid A.* Geng, Z.; Chen, B.; Chiu, P.\* *Angew. Chem. Int. Ed.* **2006**, 26, 6197-6201.

## 2007

40. *The application of non-cross-linked polystyrene-supported triphenylarsine in Stille coupling reactions.* Lau, K. C. Y.; Chiu, P.\* *Tetrahedron Lett.* **2007**, 48, 1813-1816.
41. *Herbal diterpenoids induce growth arrest and apoptosis in colon cancer cells with increased expression of the nonsteroidal anti-inflammatory drug-activated gene.* Ko, J. K. S.\*; Leung, W. C.; Ho, W. K.; Chiu, P. *Eur. J. Pharmacol.* **2007**, 559, 1-13.
42. *Regioselective hydrostannation of activated alkynes catalyzed by copper.* Miao, R.; Li, S.; Chiu, P.\* *Tetrahedron* **2007**, 63, 6737-6740.

43. *Total Synthesis of (-)-Indicol.* Lam, S. K.; Chiu, P.\* *Chem. Eur. J.* **2007**, *13*, 9589-9599. (IP2006= 5.015)

## 2008

44. *Acid-promoted sequential cationic cyclizations for the synthesis of (±)-taiwaniaquinol B.* Li, S.; Chiu, P.\* *Tetrahedron Lett.* **2008**, *49*, 1741-1744. (IF2007= 2.615)
45. *The Application of P-CuH in Organic Synthesis.* H-Cu-P 络合物在有机合成中的应用. Li, Z.\*; Liu, G.; Chiu, P. *Prog. Chem.* **2008**, *20*, 1900-1922. (IF2007 = 0.528)

## 2009

46. *Inter- and intramolecular [4+3] cycloadditions using epoxy enol silanes as functionalized oxyallyl cation precursors.* Chung, W. K.; Lam, S. K.; Lo, B.; Liu, L. L.; Wong, W.-T., Chiu, P.\* *J. Am. Chem. Soc.* **2009**, *131*, 4556-4557. (IF2008= 8.091)
47. *Sinoracutine, a novel skeletal alkaloid with cell-protective effects from Sinomenium acutum.* Bao, G.-H.; Wang, X.-L.; Tang, X.-C.; Chiu, P.\*; Qin, G.-W\*. *Tetrahedron Lett.* **2009**, *50*, 4375-4377. (IF2008= 2.538)
48. *Ene Reactions.* Lam, S. K.; Chiu, P. In: *Science of Synthesis*; de Meijere, A. Ed.; Thieme: Stuttgart, **2009**; Vol. 47, p. 737-754. (*Reference Book Chapter*)
49. *The Rhodium-Catalyzed Carbene Cyclization Cycloaddition Cascade Reaction of Vinylsulfonates.* Shi, B.; Merten, S., Wong, D. K. Y.; Chu, J. C. K.; Liu, L. L.; Lam, S. K.; Jäger, A.; Wong, W.-T.; Chiu, P.\*; Metz, P.\* *Adv. Synth. Catal.* **2009**, *351*, 3128-3132. (IF2008= 5.619)

## 2010

50. *Alisol B, a novel inhibitor of the SERCA pump, induces autophagy, ER-stress and apoptosis.* Law, B. Y. K.; Wang, M.; Ma, D.-L.; Al-Mousa, F.; Michelangeli, F.; Wong, A.; Ng, M.; -To, K.-F.; Mok, A. Y. F.; Ko, R. Y. Y.; Lam, S. K.; Chen, F.; Che, C.-M.; Chiu, P.\*; Ko, B. C. B.\* *Mol. Cancer Ther.* **2010**, *69*, 718-730. (IF2008= 5.003)

### 3. SEMINARS AND INVITED LECTURES (SINCE 2001)

#### 2001

12. **Shanghai Institute of Organic Chemistry**, Shanghai, PR China, November **2001**.

#### 2002

13. **Chengdu Institute of Organic Chemistry**, Chengdu, PR China, January **2002**.
14. **Sichuan University**, Chengdu, PR China, January **2002**.
15. **Chinese University of Hong Kong**, Hong Kong, May **2002**.
16. "Studies toward the total synthesis of the pseudolaric acids" **The 14<sup>th</sup> IUPAC International Conference on Organic Synthesis**, Christchurch, New Zealand, July 14-18, **2002**.
17. "Synthetic Studies toward the Total Synthesis of Pseudolaric Acid", **The 23<sup>rd</sup> IUPAC International Symposium on the Chemistry of Natural Products (ISCNP-23)**, Florence, Italy, July 28-August 2, **2002**.
18. "Using the Tandem Carbene Cyclization-Cycloaddition Cascade for the Synthesis of Natural Products" **The 7<sup>th</sup> International Symposium for Chinese Organic Chemists (ISCOC-7): Invited Speaker**, Hsinchu, Taiwan, November 8-11, **2002**. (not attended)

#### 2003

19. "Applications of the Rhodium-catalyzed Tandem Carbene Cyclization-Cycloaddition Reaction In Total Synthesis" **The 12<sup>th</sup> IUPAC International Symposium on Organometallic Chemistry directed toward Organic Synthesis (OMCOS-12)**, Toronto, Canada, July 6-10, **2003**.
20. "Studies Toward the Total Synthesis of Pseudolaric Acid, a Cytotoxic Natural Product" **The 11<sup>th</sup> Asian Symposium on Medicinal Plants, Spices and Other Natural Products (ASOMPS-11): Invited speaker**, Kunming, China, October 26-30, **2003**.

#### 2004

21. **Hong Kong Baptist University**, Hong Kong, May **2004**.
22. Institute of Organic Chemistry, **Technische Universität Dresden**, Dresden, Germany, June **2004**.
23. *The 2003 Summer School of Synthetic Organic Chemistry Award Lectureship: Awardee and Invited Speaker*, Nagano, Japan, July 23-25, 2003. Due to SARS, postponed to Kyoto, July 12-14, **2004**.
24. Department of Engineering, **Kyoto University**, Kyoto, Japan, July **2004**.
25. Department of Bioagricultural Sciences, **Nagoya University**, Nagoya, Japan, July **2004**.
26. Department of Pharmaceutical Chemistry, **University of Tokyo**, Tokyo, Japan, **July 2004**.
27. **Keio University**, Yokohama, Japan, July **2004**.
28. "Applications of the Tandem Carbene Cyclization-Cycloaddition Reaction In Total Synthesis" **The 15<sup>th</sup> IUPAC International Conference on Organic Synthesis (ICOS-15): Invited Speaker**, Nagoya, Japan August 1-6, **2004**.
29. "Novel Applications Of Stryker's Reagent in Organic Synthesis" **The 8<sup>th</sup> International Symposium for Chinese Organic Chemists (ISCOC-8): Invited Speaker**, Hong Kong, December 19-22, **2004**.

#### 2005

30. "Novel Reactions Mediated by Stryker's Reagent", Institut für Organische Chemie, Technische Universität Dresden, Dresden, June **2005**
31. "Total Synthesis of Pseudolaric Acid, An Anti-mitotic and Anti-tumor Natural Product", Institut für Organische Chemie, Universität Leipzig, Leipzig, Germany, June **2005**.
32. "Total Synthesis of Pseudolaric Acid, An Anti-mitotic and Anti-tumor Natural Product", Institut für Organische Chemie, Universität Hannover, Hannover, Germany, June **2005**.

33. Institut für Chemie, Freie Universität Berlin, Berlin, Germany, June 2005.
34. "Copper-catalyzed Hydrostannation of Activated Alkynes" **The 13<sup>th</sup> IUPAC International Symposium on Organometallic Chemistry directed toward Organic Synthesis (OMCOS-13)**, Geneva, Switzerland, July 17-21 2005.
35. "Total Synthesis of Pseudolaric Acids A and B" **The 4<sup>th</sup> Singapore International Chemistry Conference (SICC-4): Keynote Speaker**, Singapore, December 8-10, 2005.

## 2006

36. "Total Synthesis of Pseudolaric Acids A and B" **The 0<sup>th</sup> International Conference on Cutting-Edge Organic Chemistry in Asia: Invited Speaker**, Nagoya, Japan, March 9-10, 2006.
37. "Total synthesis of pseudolaric acid, an anti-mitotic and anti-tumor natural product" Virginia Tech., Blacksburg, VA, USA, August 4, 2006.
38. "Total Synthesis of Indicol and Related Marine Natural Products" **The 1<sup>st</sup> International Conference on Cutting-Edge Organic Chemistry in Asia, Post-Conference: Invited Speaker**, Hsinchu, Taiwan, October 21-24, 2006.
39. "Synthesis of Oxapolycyclic Frameworks Via [4+3] Cycloadditions of Epoxy Enol Silanes" **The 9<sup>th</sup> International Symposium for Chinese Organic Chemists (ISCOC-9): Invited Speaker**, Singapore, December 17-21, 2006.

## 2007

40. "Total synthesis of natural products using a carbene cyclization cycloaddition cascade strategy" **Asian CORE Program Lectureship Award Lecture: Award Speaker**, Nanyang Technological University, Singapore, March 14, 2007.
41. "The total synthesis of pseudolaric acid – an anti-mitotic and anti-cancer natural product" **The 2<sup>nd</sup> Dorothy Crowfoot-Hodgkins (DCH) Symposium: Keynote Speaker**, University of Zurich, Switzerland, April 27, 2007.
42. "Total synthesis of pseudolaric acid using a carbene cyclization cycloaddition cascade strategy" Imperial College, London, UK April 30, 2007.
43. "Total synthesis of pseudolaric acid using a carbene cyclization cycloaddition cascade strategy", Institute for Cancer Research at Sutton, UK, May 1, 2007.
44. "Total synthesis of natural products using a carbene cyclization cycloaddition cascade strategy" Merck Process Research, Whitehouse Station, New Jersey, USA, June 8, 2007.
45. "Total synthesis of natural products using a carbene cyclization cycloaddition cascade strategy" Schering-Plough Research Institute, Kenilworth, New Jersey, USA, June 12, 2007.
46. "Novel Reactions Mediated by Copper Hydride", *Invited Lecture*, Nanyang Technological University, Singapore, July 12, 2007.
47. "Total synthesis of natural products using a carbene cyclization cycloaddition cascade strategy", **The US National Science Foundation (NSF)- vResearch Experience for Undergraduates Symposium: Invited Speaker**, Bangkok, Thailand, August 4, 2007.
48. "Total synthesis of natural products using a carbene cyclization cycloaddition cascade strategy", **Asian CORE Program Lectureship Award Lecture: Award Speaker**, KAIST, Dae-Jeon, Korea, August 7, 2007.
49. "Total synthesis of natural products using a carbene cyclization cycloaddition cascade strategy", **Asian CORE Program Lectureship Award Lecture: Award Speaker**, POSTECH, Pohang, Korea, August 8, 2007.
50. "Total synthesis of natural products using a carbene cyclization cycloaddition cascade strategy", **Asian CORE Program Lectureship Award Lecture: Award Speaker**, Yonsei University, Seoul, Korea, August 10, 2007.
51. "To be announced", **International Symposium on Catalysis and Fine Chemicals 2007: Invited Lecturer**, Singapore, December 17-21, 2007.

#### 4. POSTER CONTRIBUTIONS (SINCE 2005)

23. *Group 4 polyolefin catalysts [M{(OAr)<sub>2</sub>py}Cl<sub>2</sub>(donor)] (M = Zr, Ti) bearing tridentate pyridine-2,6-bis(aryloxy) auxiliaries: surprising activity and role of donor group.* S. K. H. Tam, M. C. W. Chan,\* P. Chiu, N. Zhu, Y. L. Pui. The 229<sup>th</sup> ACS National Meeting March 13-17, **2005**, San Diego, CA, USA.
24. *Copper-catalyzed Hydrostannation of Activated Alkynes.* P. Chiu, L. T. Leung, S. K. Leung. The 13<sup>th</sup> IUPAC International Symposium on Organometallic Chemistry directed toward Organic Synthesis, July 17-21 **2005**, Geneva, Switzerland.
25. *The use of non-cross-linked polystyrene-supported triphenylarsine reagent in Stille cross-coupling reactions and the reduction of scrambled products.* K. C. Y. Lau, P. Chiu.\* Pacificchem 2005, December 15-20, **2005**, Honolulu, HI, USA.
26. *Hydrostannation of alkynes catalyzed by Stryker's reagent,* L. T. Leung, S. K. Leung, P. Chiu\* The 1<sup>st</sup> European Chemistry Congress, August 27-31, **2006**, Budapest, Hungary.
27. *[4+3] Cycloaddition reactions using epoxy enol silanes.* P. Chiu\* The 1<sup>st</sup> International Conference on Cutting-edge Organic Chemistry in Asia, October 16-20, **2006**, Okinawa, Japan.
28. *Studies toward the asymmetric synthesis of secodolastanes and dolastanes: Indicol and Dolatriol.* The 40<sup>th</sup> National Organic Symposium, June 3-7, **2007**, Duke University, North Carolina, USA.

#### B. SERVICES & ADMINISTRATION (Active in Blue)

##### I. PROFESSIONAL AFFILIATIONS

Member of the American Chemical Society 1990-present

Member of the IUPAC Division of Organic and Biomolecular Chemistry, Subcommittee on Organic Synthesis, 2006-present

Member of IUPAC Project: "Strategic Planning for a New East Asian Network for Organic Chemistry" Project No. 2005-039-2-300.

Member of IUPAC Project: "Strategic Planning for a New East and Southeast Asian Network for Organic Chemistry" Project No. 2008-026-1-300.

##### II. PROFESSIONAL SERVICES

1. Language Editor for Elsevier Publications, Regional Editorial Office (China) of *Tetrahedron*, *Tetrahedron Letters*, August 2002- July 2004.
2. Secretary General, Asian CORE Program for Cutting-edge Organic Chemistry in Asia, a program sponsored by the JSPS, September 2005- 2010.

#### Community Reports:

1. Isobe, M.; Chiu, P. *Chem. Asian J.* **2006**, *1*, 18-20.
2. Isobe, M.; Chiu, P. *Chem. Asian J.* **2007**, *2*, 452-454.
3. Member of Task Group for “Strategic Planning for a new East Asian Network for Organic Chemistry”, an IUPAC-sponsored project (2005-039-2-300), February 2006- December 2009.
4. Appointed Titular Member of IUPAC Organic and Biomolecular Chemistry Division, Subcommittee on Organic Synthesis, 2006-present.
5. Member of the Editorial Board of *Journal of Heterocyclic Chemistry*, John Wiley and Sons, January 2010-December 2014.
6. Member of the Editorial Board of *Organic and Biomolecular Chemistry*, Royal Society of Chemistry, January 2010-December 2013.

### III. CONFERENCE ORGANIZATION

1. Local Organizing Committee (HKU representative), The 8th International Symposium for Chinese Organic Chemists (ISCOC-8), Hong Kong, December 19-22, 2004.
2. IUPAC Workshop Organization Committee Member, The 1<sup>st</sup> International Conference on Cutting-edge Organic Chemistry in Asia, October 16-20, **2006**, Okinawa, Japan.
3. IUPAC Workshop Organization Committee Member, The 2<sup>nd</sup> International Conference on Cutting-edge Organic Chemistry in Asia, September 2-6, **2007**, Busan, Korea.
4. Member of the International Advisory Board, The 18th IUPAC International Conference on Organic Chemistry (ICOS-18), August 1-6, **2010**, Bergen, Norway.
5. IUPAC Workshop Organization Committee Member, The 3<sup>rd</sup> International Conference on Cutting-edge Organic Chemistry in Asia, October 19-23, **2008**, Hangzhou, China.
6. IUPAC Workshop Organization Committee Member, The 4<sup>th</sup> International Conference on Cutting-edge Organic Chemistry in Asia, November 29-December 3, **2009**, Bangkok, Thailand.

### IV. CONSULTATION FOR INDUSTRY/COMMUNITY:

1. **Sumi Asih Chemical (Hong Kong) Ltd.**  
Synthesis of artificial sweetener, March 2002
2. **Ince & Co. International Law Firm**, Mr. Henry Yau  
Rm 3801-6 Asia Pacific Finance Tower, Citibank Plaza, 3 Garden Road, HK  
Expert Opinion on court case involving ozone depletion substances, April 30- June 22, 2003
3. **PTU Medical Centre**, Dr. Tuan Gee Yap  
Wing Tak Mansion, M/F, 15 Canal Road West, Causeway Bay HK  
Chemical components of commercial disinfectant cleaner, May 10-14, 2003
4. **Concord Sino Ltd.**, Mr. Eric Ip

Rm B8, 3/F Block B, Sheung Shui Plaza, Ka Fu Close, Sheung Shui, Hong Kong  
Development and scale up of reaction to synthesize diketones, April 26-August 31, 2006

5. **Technical Services Division, The Government of The Hong Kong Special Administrative Region**, Mr. Sammy Kwok Hon-man  
27/F, Fairmont House, 8 Cotton Tree Dr. Central, Hong Kong  
Development of chemical tracers, October 2, 2006-February 7, 2007

**INTERESTS:**

Music, movies, comedies, crossword puzzles, collecting mineral samples, Christian philosophy