Curriculum Vitae

(Up to Aug 2018)

Personal Particulars

Name : Wong, Anderson On-Lam (黃安林)
Sex & Age : Male / 51
Date/Place of Birth : 22-1-1964, Hong Kong
Citizenship : Hong Kong, China

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Education :
(1) Ph.D. (Zoology), University of Alberta (1993), Canada.
(2) M.Phil. (Zoology), University of Hong Kong (1990), Hong Kong.
(3) B.Sc. (Hons), University of Hong Kong (1986), Hong Kong.

Position :

- Professor (since 2010), Endocrinology Division, School of Biological Sciences, The University of Hong Kong, Hong Kong, China.
- Associate Professor (2003-2010), Endocrinology Division, School of Biological Sciences, The University of Hong Kong, Hong Kong, China.
- Visiting Professor (2002-2005, 2006-2009, Honorary Appointment), School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, China
- Guest Professor (2002-2004, Honorary Appointment), GuangDong Dayabay Fishery Development Center, GuangDong Province Oceanic & Aquatic Product Department, China
- Adjunct Researcher (2000), Endocrinology & Reproduction Research Branch, National Institute of Child Health & Development, National Institutes of Health, USA.
- Assistant Professor (1996-2003), Department of Zoology, University of Hong Kong, Hong Kong.
- Postdoc Fellow (1994-1995), Department of Biochemistry & Clinical Biochemistry, Hospital of Sick Children, University of Toronto, Toronto, Canada.
- Postdoc Fellow (1993-1994), Department of Physiology, University of Western Ontario, Canada.

Membership of Professional Societies

1. Member (since 1993), Endocrine Society (USA).
2. Member (since 1997), Hong Kong Society of Endocrinology, Metabolism and Reproduction (Hong Kong).
3. Member (since 2002), International Federation of Comparative Endocrinology Societies (USA).
4. Member (since 2006), The American Physiogical Society (USA).
5. Council Member (2007-2010), Hong Kong Society of Endocrinology, Metabolism and Reproduction (Hong Kong).
6. Council Member (2010-2012), The Asia and Oceania Society for Comparative Endocrinology (Asia & Oceania).

Editorship/Editorial Board Membership

1. Member of Editorial Board for Integrative Endocrinology & Metabolism (since 2016), a bimonthly, open access and peer-reviewed journal with focus on endocrine physiology covering hormone secretion & hormone actions and translational & clinical aspects of metabolic & genetic diseases.
2. Member of Editorial Board for Pediatric Dental Care (since 2015), an open access and peer-reviewed half yearly journal of the OMICS International Group with the aim of providing a forum for publishing new findings on scientific research and technology for diagnosing and treating chronic diseases.

3. Member of Editorial Board for International Journal of Clinical Endocrinology & Metabolism (since 2015), an open access, peer-reviewed & online journal covering the recent advances and cutting edge research, clinical trials/reviews, case studies & clinical guidelines for understanding, diagnosis and treatment of endocrine & metabolic disorders.
4. Member of Editorial Board for SM Journal of Diabetes & Metabolism (since 2015), an international peer-review & open access journal with aims in publishing original research for scientific advances in pathogenesis, epidemiology, management, etiology, complication & prevention of diabetes and associated metabolic diseases.
5. Member of Editorial Board for Annals of Thyroid Research (since 2014), an international, open access and peer-reviewed journal published by Austin Publishers with focus on recent advances on thyroid hormone and thyroid diseases and their interactions with cardiovascular, pulmonary, gastrointestinal, metabolic & nervous systems.
6. Member of Editorial Board for The Open Biological Sciences Journal (since 2014), an international, open access & peer-reviewed journal for zoological research published by Bentham Science Publishers..
7. Member of Editorial Board for Endocrinology Section of International Scholarly Research Notices (since 2014), an open access & peer-reviewed journal for multidisciplinary research. The journal is a part of the ISRN journal series of the International Scholarly Research Network.
8. Member of Editorial Board for Journal of Diabetes & Metabolic Syndrome Disorders (since 2014), an open access & peer-reviewed journal for clinical & translational research on endocrinology, diabetes & metabolic disorders.
9. Member of Editorial Board for Austin Journal of Endocrinology & Diabetes (since 2013), an open access & peer-reviewed, scholarly journal of the Austin Journal series published by the Austin Publishing Group (Melbourne) with focus on recent advances in the areas of endocrinology & diabetes.
10. Member of Editorial Board for Journal of Zoo Biology (since 2013), an open access & peer-reviewed interdisciplinary journal of ESci Journals Publishing (www.eSciJournals.net) focusing on original reports and reviews on biodiversity, demographics, genetics, behavior, reproduction, nutrition, animal pathology, physiological, biochemical, molecular, ecological, genetic and economic aspects of animals.
11. Member of Editorial Board for International Journal of Brain Science (since 2013), a peer-reviewed journal of Hindawi Publishing Corp. for rapid publication of research articles on neuroscience & neuroendocrinology.
12. Member of Editorial Board for Endocrinology session of the journal Scientifica (since 2012). Scientifica is a peer-reviewed & open access journal covered a wide range of disciplines in biological & medical sciences.
13. Member of Editorial Board for Frontiers in Endocrinology (Section of Experimental Endocrinology, since 2011), a specialty section of the Frontiers Journal Series. [Original invitation as Associate Editor was declined for medical reason.]
14. Member of Editorial Board (2010-2014) for ISRN Endocrinology, a peer-reviewed & open access journal for rapid publication of research articles & reviews in different areas of endocrinology. The journal is a part of the ISRN journal series of the International Scholarly Research Network.
15. Guest Editor of General & Comparative Endocrinology for a special issue of the journal published in 2010 (Vol.167, Issue 3) covering the recent progress in hormone research on fish growth & reproduction. General & Comparative Endocrinology is a major journal in the field of comparative physiology specialized for hormone research in non-mammalian species.
16. Member of Editorial Board (2007-2014) for The Open Physiology Journal. The Open Physiology Journal is a peer-reviewed journal for multidisciplinary research on cellular, molecular, tissue, organ and systems physiology.

Scholarship, Research & Teaching Awards

1. HKU Long Services Award (2014), Communication & External Affairs Office, University of Hong Kong
2. GRF Merit Award (2012, HK$20,000), University Research Committee, University of Hong Kong
3. GRF Incentive Award (2011, HK$20,000), University Research Committee, University of Hong Kong
4. Faculty Incentive Award (2011, HK$40,000), Faculty of Science, University of Hong Kong.
5. GRF Merit Award (2010, HK$50,000), University Research Committee, University of Hong Kong
6. Award for Teaching Excellence (2009, HK$20,000), Faculty of Science, University of Hong Kong.
7. GRF Merit Award (2009, HK$50,000), University Research Committee, University of Hong Kong.
8. GRF Merit Award (2008, HK$50,000), University Research Committee, University of Hong Kong.
9. CERG Merit Award (2007, HK$50,000), University Research Committee, University of Hong Kong.
10. CERG Merit Award (2006, HK$50,000), University Research Committee, University of Hong Kong.
11. CERG Merit Award (2005, HK$50,000), University Research Committee, University of Hong Kong.
12. CERG Merit Award (2004, HK$50,000), University Research Committee, University of Hong Kong.
13. CERG Merit Award (2003, HK$50,000), University Research Committee, University of Hong Kong.
14. Honourable Mention Award (2002), Education Awards Program, Academic Council, University of Hong Kong.
15. Restracom Postdoctoral Fellowship (1994-95), Hospital for Sick Children, University of Toronto, Ontario, Canada.

Research Grants Awarded (after joining HKU)

1. RGC GRF Grant (2018-2021, HK$ 851,576/3 years) Novel function of spexin as an autocrine/paracrine regulator for growth hormone receptor expression in carp hepatocytes
2. URC Seed Funding for Basic Research (2017-2018, HK$ 77,570/1 year) Grass carp HNF1: Molecular cloning, functional characterization, and functional role in glucagon-induced IGF-I gene expression.
3. RGC GRF Grant (2016-2019, HK$ 1,121,760/3 years) Functional role of PIAS1 and PIAS4 in intracellular feedback at hepatic level for growth hormone-induced IGF1 gene expression in grass carp.
4. URC Seed Funding for Basic Research (2016-2017, HK$ 80,470/1 year) Adiponectin on feeding control and pituitary function: As study in goldfish using a system biology approach.
5. Health & Medical Research Fund (2016-2018, HK$1,197,800/2 years) Spexin: NMR solution structure and novel function for appetite control in mouse.
6. URC Seed Funding for Basic Research (2015-2016, HK$ 80,325/1 year) Grass carp type III neurokinin receptor: Molecular cloning, functional characterization, and pituitary regulation by somatolactin.
7. RGC GRF Grant (2015-2018, HK$ 1,202,424/3 years) Novel pituitary actions of neurokinin B (NKB) and NKB-related peptide in fish model: TAC3/NK3R system and its interaction with insulin-like growth factor in somatolactin α regulation in carp pituitary cells.
8. URC Seed Funding for Basic Research (2014-2016, HK$ 83,800/2 years) Grass carp PIAS4: - Molecular cloning, functional characterization, and differential regulation pancreatic hormones.
9. RGC GRF Grant (2013-2015; HK$ 679,524/2 years) Novel aspect of insulin and growth hormone synergism on IGF gene expression in carp hepatocytes: - Multiple levels of signal enhancement through modulation of membrane receptors, signal transduction, and intracellular feedback for signal termination.
10. URC Seed Funding for Basic Research (2013-2014, HK$ 100,900/1 year) Grass carp STATs: - Molecular cloning, functional characterization, and novel regulation by glucagon at the hepatic level through cAMP-dependent pathway.
11. NSFC/RGC Grant for Joint Research Scheme (2013-2017, RMB $80000/4 years for my partner Prof Hoaran Lin in Sun Yat-Sen University, Guangzhou and HK$1,023,673/4 years for my research group in University of Hong Kong) Novel functions of spexin as a regulator for reproduction and Feeding in fish model.
12. RGC GRF Grant (2012-2015; HK$850,000 /3 years) New components of intrapituitary feedback loop regulating growth hormone gene expression in grass carp pituitary cells: - Autocrine/paracrine actions of pituitary activin/ follistatin System.
13. URC Seed Funding for Basic Research (2012-2013, HK$ 95,500/1 year) Grass carp SMAD proteins: Molecular cloning, functional characterization, and novel regulation of pituitary expression by growth hormone via autocrine/paracrine actions.
14. URC Seed Funding for Basic Research (2011-2012, HK$ 58,000/1 year) Molecular cloning and functional studies of pituitary activin and follistatin in grass carp.
15. RGC GRF Grant (2011-2013; HK$777,902 /2 years) Novel aspects of glucagon modulation of growth hormone (GH) actions in carp hepatocytes: Signal enhancement vis GH receptor up-regulation and signal termination through SOCS3 expression.
16. National 973 Basic Research Program of China (2010-2015, RMB 21,600,000 for 2010-11 & funding for 2012-15 will be subjected to the result of mid-term review, as a co-investigator in the research team at Sun Yat-Sen University, Guangzhou, China) Basic research on the regulation network of fish growth and breeding program based on molecular design [鱼类生长基因调控网络和分子设计育种的基础研究] (Program No: 2010CB126302).
17. RGC GRF Grant (2009-2012, HK$ 1,500,000 /3 years) Negative modulation of intrapituitary feedback loop in grass carp by insulin-like growth factors through down-regulation of pituitary growth hormone receptor expression.
18. RGC GRF Grant (2008-2011, HK$ 1,576,815 /3 years) Pituitary D1/D1A receptor in dopamine-stimulated growth hormone gene expression in grass carp.
19. URC Seed Funding for Basic Research (2008-2009, HK$ 80,000/1 year) Molecular cloning, functional characterization, and regulation of pituitary transcript expression of grass carp dopamine D1/D1A receptor.
20. RGC CERG Grant (2007-2010, HK$ 1,085,729 /3 years) CREB co-ordinates the differential actions of c-Fos and Jun-B in PACAP-induced growth hormone gene expression in grass carp.
21. RGC CERG Grant (2006-2009, HK$ 1,664,300 /3 years) Novel actions of somatostatin in grass carp pituitary cells: Inhibition of growth hormone synthesis through up-regulation of CREB gene expression.
22. URC Seed Funding for Basic Research (2006-2007, HK$ 80,000/1 year) Grass carp CREB: Molecular cloning, functional characterization, and regulation of transcript expression at the pituitary level.
23. RGC CERG Grant (2005-2008, HK$ 1,445,828 /3 years) Modulation of calmodulin gene expression as a novel mechanism for growth hormone feedback control by insulin-like growth factor in grass carp pituitary cells.
24. Science Faculty Collaborative Seed Grant (2005, HK$ 100,000 /1 year) Structural Characterization and Functional Studies of Grass Carp Pituitary Adenylate Cyclase-Activating Polypeptide.
25. RGC CERG Grant (2004-2007, HK$ 1,406,920 /3 years) Intrapituitay feedback loop regulating growth hormone synthesis: Paracrine regulation of growth hormone gene expression by gonadotropin release in grass carp pituitary cells.

26. National 973 Basic Research Program of China (2004-2009, RMB 25,000,000/5 years, as a co-investigator in the research team at Zhongshan University, Guangzhou, China) Molecular mechanisms for growth regulation in fish (Program No: 2004CB117402).
27. URC Seed Funding for Basic Research (2003-2004, HK$ 120,000/1 year) Paracrine regulation of growth hormone gene expression by gonadotrophin secretion in carp pituitary cells.
28. RGC CERG Grant (2003-2006, HK$ 1,623,000/3 years) Novel aspects of growth hormone autoregulation in grass carp pituitary cells: Intrapituitary "ultra-short" feedback on growth hormone gene expression in fish ?
29. RGC CERG Grant (2002-2005, HK$ 1,434,000/3 years) Regulation of growth hormone synthesis in fish: Mechanisms of action of the novel hypophysiotropic factor pituitary adenylate cyclase-activating polypeptide.
30. URC Seed Funding for Basic Research (2002-2003, HK$ 120,000/1 year) Goldfish calmodulin: Molecular cloning, tissue distribution, and regulation of transcript expression.
31. RGC CERG Grant (2001-2004, HK$ 1,034,000/3 years) Novel aspects of adrenergic regulation of growth hormone release in fish.
32. URC Seed Funding for Applied Research (2001-2002, HK$ 200,000/1 year) Grouper growth hormone: Production of recombinant protein and its applications in green grouper farming.
33. URC Seed Funding for Basic Research (2001-2002, HK$ 80,000/1 year) Biphasic growth hormone release induced by protein kinase C activation in grass carp pituitary cells.
34. RGC CERG Grant (1999-2001, HK$580,000/2 years; as co-investigator) The concerted hypophysiotropic actions of GHRH and PACAP on the control of growth hormone release in goldfish, Carassius auratus.
35. CRCG Grant (1999-2000, HK$72,000/1 year) Role of cAMP in pituitary adenylate cyclase-activating polypeptide regulation of growth hormone gene expression in Chinese grass carp
36. RGC CERG Grant (1998-2001, HK$1,102,000/3 years) Pituitary adenylate cyclase activating polypeptide as a novel growth hormone releasing factor in Chinese grass carp, Ctenopharyngodon idellus.
37. CRCG Grant (1998-99, HK$ 110,000/1 year) Molecular cloning of goldfish pituitary adenylate cyclase activating polypeptide
38. URC Block Grant (1998-99, HK$ 145,000/1 year) Pituitary adenylate cyclase activating polypeptide : - a novel hypophysiotropic factor regulating gonadotropin and growth hormone release in the goldfish ?
39. CRCG Grant (1996-98, HK$ 187,625/2 years) Adrenergic regulation of growth hormone secretion and gene expression in the goldfish.
40. CRCG Grant (1995-96, HK$ 120,000/1 year) Neuroendocrine regulation of growth hormone release and synthesis in the goldfish : - The role of the neurotransmitter serotonin.
41. RGC CERG Grant (1995-97, HK$ 631,000/2 years) Signal transduction of dopamine D1-regulated growth hormone release from grass carp pituitary cells.

Research Interests & Current Programs

Research Interests

- Comparative endocrinology with focus on neuroendocrine regulation & signal transduction for pituitary hormone secretion & gene expression in fish models, especially for growth hormone, somatolactin, prolactin & gonadotropin.
- Functional interactions & underlying post-receptor signaling of adipokines (e.g., leptin & adiponectin) and novel feeding regulators (e.g., spexin & apelin) with pituitary hormones in fish pituitary cells.

Current Research Programs

- Autocrine/paracrine regulation of growth hormone & somatolactin expression in grass carp pituitary cells by novel interactions of pituitary hormones at the pituitary level and the post-receptor signaling mechanisms involved.
- Intrapituitary activin/follistatin system & local expression of SMADs in growth hormone secretion, protein synthesis and promoter activation in carp pituitary cells.
- Pituitary LH receptor and paracrine induction of growth hormone gene expression by LH in carp pituitary cells.
- Intracellular feedback repressors for signal termination of growth hormone receptor signaling in carp species.
- Novel actions of leptin & adiponectin on pituitary hormone secretion and synthesis in carp pituitary cells.
- Spexin as a novel satiety factor in appetite control: a comparative study between fish and mammalian model.

Research Performance: Publications & Presentations

Publications (1990-2013)

Summary of Publications (updated on Aug, 2018, Data from HKU Scholar Hub)

Papers in refereed journals	:	83 (citation: 2783; h-index: 27)
Chapters in books	:	6
Papers in conference proceedings	:	19
Abstracts in international meetings	:	134

Details of Publications

(A) Papers in Refereed Journals

1. C.Y. Lin, L. Zhao, T. Huang, L. Lu, M. Khan, J. Liu, L.L.D. Zhong, Z.W. Cai, B.M. Fan, **A.O.L. Wong**, and Z.X. Bian (2018) Spexin acts as novel regulator for bile acid synthesis. Frontiers in Physiology, 9:378 / doi: 10.3389/ fphys. 2018.00378.

2. A. Ma, J. Bai, M. He, and **A.O.L. Wong** (2018) Spexin as a neuroendocrine signal with emerging functions in mammals and fish models. Gen Comp Endocrinol, 265:90-96 / doi: 10.1016/j.ygcen.2018.01.015.

3. Q. Jiang, J. Bai, M. He, K.W.Y. Yuen, and **A.O.L. Wong** (2018) Mechanisms underlying the synergistic action of insulin and growth hormone on IGF-I and -II expression in grass carp hepatocytes. Frontiers in Endocrinology 9:336 / doi: 10.3389/fendo.2018.00336.

4. C.Y. Lin, J. Bai, M. He, and **A.O.L. Wong** (2018) Grass carp prolactin gene: Structural organization and signal transduction for PACAP-induced prolactin promoter activity. Sci Rep 8:4655 / DOI:10.1038/s41598-018-23092-0.

5. R.S.K. Fung, J. Bai, M. He, K.W.Y. Yuen, and **A.O.L. Wong** (2017) Grass carp follisatin: Molecular cloning, functional characterization, dopamine D1 regulation at pituitary level and implication in growth hormone regulation. Frontiers in Endocrinology 8:211 / doi: 10.3389/fendo.2017.00211.

6. R.S.K. Fung, J. Bai, K.W.Y. Yuen, and **A.O.L. Wong** (2017) Activin/follistatin system in grass carp pituitary cells: Regulation by local release of growth hormone and luteinizing hormone and its functional role in growth hormone synthesis and secretion. PLOS One 12(6): e0179789. / doi: 10.1371/journal.pone.0179789.

7. G. Hu, M. He, W.K.W. Ko, and **A.O.L. Wong** (2017) TAC1 gene products regulate pituitary hormone secretion and gene expression in prepubertal grass carp pituitary cells. Endocrinology 158:1-22.

8. A. Ma, M. He, J. Bai, M.K.H. Wong, W.K.W. Ko, and **A.O.L. Wong** (2017) Dual role of insulin in spexin regulation : Functional link between food intake and spexin expression in fish model. Endocrinology 158:560-577.

9. C. Lin, X. Jiang, M. He, L. Zhao, T. Huang, Z. Bian, and **A.O.L. Wong** (2017) Mechanisms for PACAP-induced prolactin gene expression in grass carp pituitary cells. J. Endocrinol 233:1-15.

10. G. Hu, M. He and **A.O.L. Wong** (2016) Novel functional role of NK3R expression in the potentiating effects on somatolactin α autoregulation in grass carp pituitary cells. Sci Rep 6:36102-36114 / doi: 10.1038

11. X. Jiang, J. Xiao, M. He, A. Ma, and **A.O.L. Wong** (2016) Type II SOCS as feedback repressor for GH-induced IGF1 expression in carp hepatocytes. J Endocrinol 229:171-186

12. C. Lin, X. Jiang, G. Fu, W.K.W. Ko, and **A.O.L. Wong** (2015) Grass carp prolactin: Molecular cloning, tissue expression, intrapituitary autoregulation by prolactin and paracrine regulation by growth hormone and luteinizing hormone. Mol Cell Endocrinol 399:367-283

13. Q. Jiang, M. He, W.K.O. Ko and A.O.L. Wong (2014) Kisspeptin induction of somatolactin α release in goldfish pituitary cells: Functional role of cAMP/PKA-, PLC/PKC-, and Ca^{2+}/calmodulin-dependent cascades. Am J Physiol Endocrinol Metab 307:E872-884.

14. G. Hu, C. Lin, M. He, and **A.O.L. Wong** (2014) Neurokinin B and reproductive functions: - "KNDY neuron" model in mammals and the emerging story in fish. Gen Comp Endocrinol 208:94-108.

15. G. Hu, M. He, W.K.W. Ko, C. Lin, and **A.O.L. Wong** (2014) Novel pituitary actions of TAC3 gene products in fish model: - Receptor specificity and signal transduction for prolactin and somatolactin α regulation by neurokinin B (NKB) and NKB- related peptide in carp pituitary cells. Endocrinology 155:3582-3596.

16. Q. Jiang and **A.O.L Wong** (2014) Somatostatin-28 inhibitory action on somatolactin α and β gene expression in goldfish. Am J Physiol Regul Integr Comp Physiol 307:R755-R768.

17. C. Sun, M. He, W.K.W. Ko, and **A.O.L. Wong** (2014) Mechanisms for luteinizing hormone induction of growth hormone gene transcription in fish model: Crosstalk of the cAMP/PKA pathway with MAPK- and PI3K-dependent cascades. Mol. Cell Endocrinol 382:835-850

18. M.K.H. Wong, K.H. Sze, T. Chen, C.K. Cho, Henry C.H. Law, I.K. Chu, and **A.O.L. Wong** (2013) Goldfish Spexin: Solution structure and novel function as a satiety factor in feeding control. Am. J. Physiol. Endocrinol. Metab 305:E348-E366

19. C. Sun, M. He, W.K.W. Ko, and **A.O.L. Wong** (2013) Gene expression of luteinizing hormone receptor in carp somatotrophs differentially regulated by local actions of gonadotropin and dopamine D1 receptor activation. Mol Cell Endocrinol 374:22-34.

20. Q. Jiang and **A.O.L. Wong** (2013) Signal transduction mechanisms for autocrine/paracrine regulation of somatolactin α secretion and synthesis in carp pituitary cells by somatolactin α and β. Am. J. Physiol. Endocrinol. Metab 304:E176-E186.

21. J.P. Chang, A. Mar, M. Mlasichuk, and **A.O.L. Wong** (2012) Kisspeptin-1 directly stimulates LH and GH secretion from goldfish pituitary cells in a Ca^{2+}-dependent manner. Gen Comp Endocrinol 179:38-46.

22. Q. Jiang, W.K.W. Ko, and **A.O.L. Wong** (2011) Insulin-like growth factor as a novel stimulator for somatolactin secretion and synthesis in carp pituitary cells via activation of MAPK cascades. Am. J. Physiol. Endocrinol. Metab 301:E1208-E1219.

23. **A.O.L. Wong** (2010). "International Symposium for Fish Growth and Reproduction." Gen Comp Endocrinol **167**(3): 339. (Invited editorial)

24. L. Huo and **A.O.L. Wong** (2009) Genomic structure and transcriptional regulation of grass carp calmodulin gene. Biochem Biophys Res Commun 390:827-833

25. B. Yang, Q. Jiang, T. Chan, W.K.W. Ko, and **A.O.L. Wong** (2009) Goldfish kisspeptin: Molecular cloning, tissue distribution of transcript expression, and stimulatory effects on prolactin, growth hormone and luteinizing hormone secretion and gene expression via direct actions at the pituitary level. Gen Comp Endocrinol 165:60-71

26. J.P. Chang, and **A.O.L. Wong** (2009) Growth hormone regulation in fish: A multifactorial model with hypothalamic, peripheral and local autocrine/paracrine signals.. Fish Physiology 28:151-195

27. E. Zhao, A. Basak, **A.O.L. Wong**, W. Ko, A. Chen, G.C. Lopez, C.L. Grey, L.F. Canosa, G.M. Somoza, J.P. Chang, and V.L. Trudeau (2009) The secretogranin II-derived peptide secretoneurin stimulates luteinizing hormone secretion from gonadotrophs. Endocrinology 150:2273-2282

28. Y. Yu, **A.O.L. Wong**, and J.P. Chang (2008) Serotonin interferes Ca^{2+} and PKC signaling to reduce gonadotropin-releasing hormone-stimulated growth hormone secretion in goldfish pituitary cells. Gen. Comp. Endocrinol 159:58-66

29. Q. Jiang, W.K.W. Ko, E.A. Lerner, K.M. Chan, and **A.O.L. Wong** (2008) Grass carp somatolactin: I. Evidence for PACAP induction of somatolactin α and β gene expression via activation of pituitary PAC-I receptors. Am. J. Physiol. Endocrinol. Metab. 295:E463-476

30. Q. Jiang, M. He, X. Wang, and **A.O.L. Wong** (2008) Grass carp somatolactin: II. Pharmacological study on post-receptor signaling mechanisms for PACAP-induced somatolactin α and β gene expression. Am. J. Physiol. Endocrinol. Metab. 295:E477-489

31. B.W. Lau, **A.O.L. Wong**, G.S. Tsao, K.F. So, and H.K. Yip (2008) Molecular cloning and characterization of the zebrafish (*Danio rerio*) telomerase catalytic subunit (Telomerase reverse transcriptase, TERT). J Mol Neurosci 34: 63-75

32. K.H. Sze, H. Zhou, Y. Yang, M. He, Y. Jiang, and **A.O.L. Wong** (2007) Pituitary adenylate cyclase-activating polypeptide (PACAP) as a growth hormone (GH)-releasing factor in grass carp: II. Solution structure of a brain-specific PACAP by nuclear magnetic resonance spectroscopy and functional studies on GH release and gene expression. Endocrinology 148:2042-2059

33. X. Wang, M.M. Chu, and **A.O.L. Wong** (2007) Signaling mechanisms for α2-adrenergic inhibition of PACAP-induced growth hormone secretion and gene expression in grass carp pituitary cells.. Am. J. Physiol. Endocrinol. Metab. 292: E1750 -E1762

34. L.T. Lee, S.K. Siu, J.K. Tam, I.T. Lau, **A.O.L. Wong**, M.C. Lin, H. Vaudry, and B.K. Chow (2007) Discovery of growth hormone-releasing hormones and receptors in non-mammalian vertebrates. Pro. Natl. Acad. Sci. U.S.A. 104: 2133-2138

35. **A.O.L. Wong**, M.C.Y. Chuk, H.C. Chan, and E.K.Y. Lee (2007) Mechanisms for gonadotropin-releasing hormone potentiation of growth hormone rebound following norepinephrine inhibition in goldfish pituitary cells. Am. J. Physiol. Endocrinol. Metab. 292:E203-E214

36. **A.O.L. Wong**, H. Zhou, Y. Jiang, and W.K.W. Ko (2006) Feedback regulation of growth hormone synthesis and secretion in fish and emerging concept of intrapituitary feedback loop. Comp Biochem Physiol (Part A) 144: 284-305

37. **A.O.L. Wong**, W.S. Li, C.Y. Leung, L. Huo, and H. Zhou (2005) Pituitary adenylate cyclase-activating polypeptide (PACAP) as a growth hormone (GH)-releasing factor in grass carp: I. Functional coupling of cAMP- and Ca^{2+}/ calmodulin-dependent signaling pathways in PACAP-induced GH secretion and GH gene expression in grass carp pituitary cells. Endocrinology 146: 5407-5424

38. W.S. Li, D. Chen, **A.O.L. Wong**, and H.R. Lin (2005) Molecular cloning, tissue distribution, and ontogeny of mRNA expression of growth hormone in organge-spotted grouper (*Epinephelus coioides*). Gen. Comp. Endocrinol. 144: 78-89

39. L. Huo, G. Fu, X. Wang, W.K.W. Ko, and **A.O.L. Wong** (2005) Modulation of calmodulin gene expression as a novel mechanism for growth hormone feedback control by insulin-like growth factor in grass carp pituitary cells. Endocrinology 146:3821-3835

40. H. Zhou, Y. Jiang, W.K.W. Ko, W.S. Li, and **A.O.L. Wong** (2005) Paracrine regulation of growth hormone gene expression by gonadotropin release in grass carp pituitary cells: functional implications, molecular mechanisms, and signal transduction. J. Mol. Endocrinol. 34:415-432

41. L. Huo, E.K.Y. Lee, P.C. Leung, and **A.O.L. Wong** (2004) Goldfish calmodulin: Molecular cloning, tissue distribution, and regulation of transcript expression in goldfish pituitary cells. Endocrinology 145: 5056-5067

42. H. Zhou, X. Wang, W.K.W. Ko, and **A.O.L. Wong** (2004) Evidence for a novel intrapituitary autocrine/paracrine feedback loop regulating growth hormone synthesis and secretion in grass carp pituitary cells by functional interactions between gonadotrophs and somatotrophs. Endocrinology 145: 5548-5559

43. H. Zhou, W.K.W. Ko, W.K.K. Ho, S.S. Stojilkovic, and **A.O.L. Wong** (2004) Novel aspects of growth hormone (GH) autoregulation: GH-induced GH gene expression in grass carp pituitary cells through autocrine/paracrine mechanisms. Endocrinology 145:4615-4628

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(B) Book Chapters

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(C) Papers in Conference Proceedings

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(D) Abstracts for International Meetings

1. A. Ma, J. Bai, M. He, and A.O.L. **Wong** (2018) Spexin as a satiety factor in fish model: Involvement of growth hormone/insulin-like growth factor axis in insulin-induced spexin expression at hepatic level. Program & Abstracts (Abstract 39), 2018 International Conference of Chinese Comparative Endocrinologist & 12th Academic Conference of China Zoological Society for Comparative Endocrinology (July 1-3, 2018; Shanghai, China). [Invited symposium presentation]

2. A. Ma, J. Bai, M. He, and **A.O.L. Wong** (2018) Insulin-induced spexin expression at hepatic level : Involvement of growth hormone/insulin-like growth factor axis and functional implication on the role of spexin as a satiety factor in goldfish. Program & Abstracts (Abstract SUN-597), the 100th Annual Meeting of the Endocrine Society (March 17-20, 2018; Chicago, Illinois, USA).

3. J. Bai, W. Wong, M. He, and **A.O.L. Wong** (2018) Identification of a novel tripartite cis-acting complex in IGF-I promoter for growth hormone-induced IGF-I gene transcription in grass carp. Program & Abstracts (Abstract SAT-359), the 100th Annual Meeting of the Endocrine Society (March 17-20, 2018; Chicago, Illinois, USA).

4. A. Ma, M. He, J. Bai, M.K.H., and **A.O.L. Wong** (2017) Insulin as a functional link between food intake and spexin expression: Recent progress on spexin as a satety factor in fish model. Program & Abstracts (Abstract S1-1), the 18th International Congress of Comparative Endocrinology (ICCE18) (June 4-9, 2017, Lake Louise, Alberta, Canada). [Invited symposium presentation]

5. G. Hu, M. He, W.K.W. Ko, and **A.O.L. Wong** (2017) IGF potentiation of NKB- and NKBRP-induced somatolactin α gene expression via up-regulation of NK3 receptor expression and functional crosstalk in post-receptor signaling in carp pituitary cells. Program & Abstracts (Abstract SAT-436), the 99th Annual Meeting of the Endocrine Society (April 1-4; Orlando, Florida, USA).

6. A. Ma, M. wong, M. He, W.K.W. Ko, and **A.O.L. Wong** (2017) Evidence for spexin as a novel luteinizing hormone (LH)-releasing factor in goldfish via direct action at pituitary level: - Receptor specificity, signal transduction and interactions with LH regulators in fish model. Program & Abstracts (Abstract SUN-487), the 99th Annual Meeting of the Endocrine Society (April 1-4; Orlando, Florida, USA).

7. J. Bai, M.L. Lei, M. He, and **A.O.L. Wong** (2017) Growth hormone-induced luteinizing hormone gene expression in grass carp: - Signal transduction and novel feedback via HNF3 expression at pituitary level. Program & Abstracts (Abstract SAT-435), the 99th Annual Meeting of the Endocrine Society (April 1-4; Orlando, Florida, USA).

8. **A.O.L. Wong**, G. Hu, M. He, and W.K.W. Ko (2016) Synergism of IGF and TAC3 gene products in somatolactin α regulation: Pituitary type III neurokinin receptor expression and intrapituitary feedback by somatolactin α. Program & Abstracts (Abstract S1-2), the 8th Congress of the Asian & Oceania Society for Comparative Endocrinology (June 20-24, Seoul, Korea). (State-of-the-art lecture)

9. A. Ma, M. He, W.K.W. Ko, and **A.O.L. Wong** (2016) Spexin as a satiety factor in fish model: - Insulin as a functional link between feeding and peripheral and central spexin expression through activation of PI3K/Akt and P_{38} ^{MAPK} cascades. Program & Abstracts (Abstract SUN-374), the 98th Annual Meeting of the Endocrine Society (April 1-4; Boston, Massachusetts USA).

10. G. Hu, M. He, W.K.W. Ko, and **A.O.L. Wong** (2016) Regulation of luteinizing hormone, prolactin and somatolactin α secretion and gene expression by TAC1 gene products in carp pituitary cells: Signal transduction and receptor specificity at pituitary level. Program & Abstracts (Abstract FRI-490), the 98th Annual Meeting of the Endocrine Society (April 1-4; Boston, Massachusetts USA).

11. K.J. Bai, M. He, A. Ma, and **A.O.L. Wong** (2016) Hepatocyte nuclear factor 1α in glucagon-induced IGF-I gene expression in grass carp: Signal transduction at hepatic level and functional role in IGF-I gene transcription. Program & Abstracts (Abstract FRI-522), the 98th Annual Meeting of the Endocrine Society (April 1-4; Boston, Massachusetts USA).

12. A. Ma, M. He, W.K.W. Ko, and **A.O.L. Wong** (2015) Spexin as a satiety factor in fish model: - Insulin as a functional link between feeding and peripheral and central spexin expression through activation of PI3K/Akt and P_{38} ^{MAPK} cascades. Program & Abstracts (p.45, abstract #71), 2015 Jointed Meeting of 7th Annual Meeting of Asian Association of the Study of Diabetes and Annual Scientific Meeting of the Hong Kong Society of Endocrinology, Metabolism & Reproduction (Nov 21-22, Hong Kong Convention & Exhibition Centre, Hong Kong).

13. G. Hu, M. He, W.K.W. Ko, and **A.O.L. Wong** (2015) Novel pituitary actions of TAC3/NK3R system in fish model: - Interactions of IGF and TAC3 gene products in somatolactin α gene expression. Program and Abstracts (p.26 Abstract #1), 2015 Jointed Meeting of 7th Annual Meeting of the Asian Association of the Study of Diabetes and Annual Scientific Meeting of the Hong Kong Society of Endocrinology, Metabolism & Reproduction, (Nov 21-22, Hong Kong Convention & Exhibition Centre, Hong Kong). (Invited symposium presentation)

14. G. Hu, X. Jiang, M. He, W.K.W. Ko, and **A.O.L. Wong** (2015) Novel interactions of IGC and TAC3 gene products in somatolactin α gene expression in fish model: Pituitary expression of type III neurokinin receptor and intra-pituitary feedback by somatolactin α. Program and Abstracts, 2015 Gordon Research Conference on IGF & Insulin System in Physiology & Disease (March 8-13; Ventura Beach Marriott, CA, USA). (Abstract accepted; withdrawn due to medical reason)

15. G. Hu, M. He, W.K.W. Ko, and **A.O.L. Wong** (2015) Novel synergistic action of insulin-like growth factor and TAC3 gene products on somatolactin α gene expression via up-regulation of type III neurokinin receptor at the pituitary level. ENDO2015 Program and Abstracts, The 97th Annual Meeting of the Endocrine Society (March 5-8; San Diego, CA, USA) (Abstract accepted; withdrawn due to medical reason)

16. G. Hu, M. He, W.K.W. Ko, and **A.O.L. Wong** (2014) Novel pituitary actions of TAC3 gene products in fish model: Receptor specificity and signal transduction for prolactin and somatolactin α regulation by NKB and NKBRP in carp pituitary cells. Program and Abstracts, The 2014 Annual Scientific Meeting of the Hong Kong Society of Endocrinology, Metabolism & Reproduction, Abs No P12, pp.18 (Nov 9, 2014, Kowloon, Hong Kong). (Best Poster Presentation Award)

17. T. Chen, M. He, and **A.O.L. Wong** (2014) Signal transduction for leptin-induced somatolactin gene expression in grass carp pituitary cells. ENDO2014 Program and Abstracts, The 96th Annual Meeting of the Endocrine Society, Abs No SUN-675, pp.337 (June 21-24, Chicago, USA).

18. G. Hu, M. He, W.K.W. Ko, and **A.O.L. Wong** (2014) Novel pituitary actions of TAC3 gene products in fish model. Program & Abstract, The 7th Intercongress Symposium of Asian & Oceania Society of Comparative Endocrinology, Abs No SL-2, pp.12 (March 18-23, National Taiwan Ocean University, Keelung, Taiwan). (Invited Symposium Lecture)

19. G. Hu, M. He, W.K.W. Ko, and **A.O.L. Wong** (2013) Differential effects on somatolactin and prolactin secretion and gene expression by NKB and NKBRP in grass carp pituitary cells. Program and Abstracts, The 7th Cross-Strait Conference on Fish Physiology and Aquaculture, pp.150-151 (Nov 1-5, 2013, Shanghai Ocean University, Chain). (Best Poster Presentation Award)

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32. X. Jiang and **A.O.L. Wong** (2011) Grass carp SOCS and CISH: Molecular cloning, Tissue distribution and functional role in growth hormone receptor signaling. Program & Abstracts, The 26th Annual Scientific Meeting of the Hong Kong Society of Endocrinology, Metabolism & Reproduction, Abs No P-07, pp.22. (Nov 6, Hong Kong)

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40. **A.O.L. Wong** (2011) Molecular mechanisms for PACAP induction of growth hormone gene expression. Program and Abstracts, Symposium session 2-5 Neuroendocrinology & Pituitary, BIT's 1st Annual World Congress of Endobolism-2011, pp.70 (Jan 25-27, Xiamen, China) (Invited Symposium Presentation)

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42. C. Sun, G. Fu, W.K.W. Ko and **A.O.L. Wong** (2010) Signaling mechanisms for luteinizing hormone induction of growth hormone gene transcription in grass carp. Program and Abstracts, The 6th Intercongress Symosium of the Asia and Oceania Society for Comparative Endocrinology , Abs No O12, pp.44 (Jan 19-22, Palmerston North, New Zealand) (Selected Oral Presentation)

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103. L.Y. Tse, M.Y. Leung, **A.O.L. Wong**, and B.K.C. Chow (1998) Distribution of transcripts encoding for the goldfish VIP and PACAP and their common receptors including VIP1, VIP2 and PACAP type I receptors in various brain regions by RT-PCR. Program and Abstracts, 19th Conference of European Comparative Endocrinologists, pp.71. (Selected Oral Presentation)

104. M.M.S. Chu, R.C.Y. Leung, E.K.Y. Lee, and **A.O.L. Wong** (1998) Na^+ channels and intracellular Ca^{2+} stores in biphasic growth hormone release induced by protein kinase C activation in grass carp pituitary cells. Program and Abstracts, 19th Conference of European Comparative Endocrinologists, pp.13.

105. **A.O.L. Wong**, S. Ng, E.K.Y. Lee, and D.K.O. Chan (1998) Dopamine D1-stimulated growth hormone release from grass carp pituitary involves extracellular Ca^{2+} entry through voltage-sensitive Ca^{2+} channels and activation of Ca^{2+} /calmodulin-dependent protein kinase II. Program and Abstracts, 19th Conference of European Comparative Endocrinologists, pp.79.

106. **A.O.L. Wong**, M.M.S. Chu, R.C.L. Leung, and E.K.Y. Lee (1998) Biphasic growth hormone release induced by protein kinase C activation in grass carp pituitary cells involves $[Ca^{2+}]e$ entry through voltage-sensitive Ca^{2+} channels and mobilization of $[Ca^{2+}]i$ stores. Program and Abstracts, 80th Annual Meeting of the Endocrine Society, P2-201.

107. R.C.Y. Leung, S. Ng, E.K.Y. Lee, and **A.O.L. Wong** (1998) Pituitary adenylate cyclase activating polypeptide- and dopamine D1- stimulated growth hormone release from grass carp pituitary cells are mediated through cAMP-dependent cascades coupled to extracellular Ca^{2+} entry via voltage-sensitive Ca^{2+} channels. Program and Abstracts, 11th Asia-Oceania Congress of Endocrinology, pp.221.

108. **A.O.L. Wong**, V.C.C. Chan, E.K.Y. Lee, J.P. Chang, and R.E. Peter (1998) Norepinephrine inhibits growth hormone release from goldfish pituitary cells by suppressing cAMP synthesis through activation of pituitary $\alpha 2$ adrenergic receptors.Program and Abstracts, 11th Asia-Oceania Congress of Endocrinology, pp.223.

109. J.P. Chang, F. Van Goor, **A.O.L. Wong**, J.D. Johnson, R.M. Jobin, and J.I. Goldberg (1997) GnRH signal transduction in gonadotropin (GTH-II) and growth hormone (GH) secretion in cultured pituitary cells of goldfish. Program and Abstracts, International Symposium on Signal Transduction in Health and Disease (SYADY), P86 [Invited oral presentation]

110. M.Y. Leung, J.P. Chang, B.K.C. Chow, and **A.O.L. Wong** (1997). Pituitary adenylate cyclase-activating polypeptide (PACAP) functions as a growth hormone (GH)-releasing factor in goldfish. Program and Abstracts, XIIIth International Congress of Comparative Endocrinology, P1-41.

111. C.H. Chow, T.K. Tung, C.C. Chik, M.L. He, K.K. Cheng, **A.O.L. Wong**, K.M. Chan, and K.L. Yu (1997). Characterization of two growth hormone genes in goldfish (*Carassius auratus*). Program and Abstracts, XIIIth International Congress of Comparative Endocrinology, P4 -73.

112. L.Y. Tse, K.W. Chan, M.Y. Leung, K.L. Yu, **A.O.L. Wong**, and B.K.C. Chow (1997). Molecular characterization and tissue distribution of a goldfish VIP/PHI transcript. Program and Abstracts, XIIIth International Congress of Comparative Endocrinology, P2-42.

113. **A.O.L. Wong**, M.Y. Leung, W.L.C. Shea, and B.K.C. Chow (1997). Pituitary adenylate cyclase activating polypeptide (PACAP) stimulates growth hormone release from goldfish pituitary cells through PACAP type I receptors. Program and Abstracts, 2nd IUPS Symposium on "Advances in the Molecular Endocrinology of Fish", P40.

114. Y. Le Drean, D. Liu, **A.O.L. Wong**, F. Xiong, and C.L. Hew (1997). Estrogen receptor and SF-1 act synergistically to mediate GTH IIb gene expression. Program and Abstracts, 2nd IUPS Symposium on "Advances in the Molecular Endocrinology of Fish", P32. [Invited oral presentation]

115. J.P. Chang, **A.O.L. Wong**, F. Van Goor, J.I. Goldberg, R.M. Jobin, and J.D. Johnson (1997). Signal transduction pathways mediating neuroendocrine control of growth hormone secretion in the goldfish, *Carassius auratus*. Program and Abstracts, 2nd IUPS Symposium on "Advances in the Molecular Endocrinology of Fish", S7. [Invited Review Lecture]

116. **A.O.L. Wong**, S. Ng, E.K.Y. Lee, R.C.Y. Leung, and M.Y. Leung (1997). Neuroendocrine regulation and signal transduction of growth hormone release from perifused grass carp pituitary cells. Program and Abstracts, 79th Annual Meeting of the Endocrine Society, P1-57.

117. Y.Le Drean, D. Liu, **A.O.L. Wong**, F. Xiong, and C.L. Hew (1996). Steroidogenic factor 1 and estradiol receptor act in synergism to regulate the expression of salmon gonadotropin IIβ subunit gene. Program and Abstracts, 10th International Congress of Endocrinology, P3-205.

118. **A.O.L. Wong**, C.K. Murphy, A. Lo, C.M. Neumann, J.P. Chang, and R.E. Peter (1996). Receptor specificity of serotonin actions on gonadotropin-II and growth hormone release from goldfish pituitary cells. Program and Abstracts, 3rd International Symposium on Fish Endocrinology, p.27

119. T.K. Fung, **A.O.L. Wong**, K.W. Cheng, Y.D. Chen, C.H. Tse, K.M. Chen, K.L. Yu, J.P. Chang, and R.E. Peter (1996). Differential expression of two growth hormone messenger RNA in the pituitary of goldfish. Program and Abstracts, 3rd International Symposium on Fish Endocrinology, p.08

120. **A.O.L. Wong**, and C.L. Hew (1995). The role of cAMP, cAMP response element, and the pituitary - specific transcription factor Pit-1 in Chinook salmon growth hormone gene expression. Program and Abstracts, 77th Annual Meeting of the Endocrine Society. (Abstract #428).

121. **A.O.L. Wong**, B.C. Moor, N. Narayanan, C. Hawkins, and J. Kraicer (1994). Protein kinase A in growth hormone (GH) releasing factor (GRF)-stimulated GH release from rat somatotrophs. Program and Abstracts, 76th Annual Meeting of the Endocrine Society (Abstract #989).

122. **A.O.L. Wong**, R.M. Jobin, F. Van Goor, C. Neumann, and J.P. Chang (1994). Interactions of cyclic AMP, protein kinase C and calcium in dopamine- and GnRH-stimulated growth hormone release in the goldfish. Program and Abstracts, 76th Annual Meeting of the Endocrine Society (Abstract #243).

123. J.P. Chang, **A.O.L. Wong**, R.E. Peter, and G. Van Der Kraak (1993). Dopamine D1 receptors on goldfish pituitary cells. 23rd Annual Meeting of the Society for Neuroscience, Society for Neuroscience Abstracts, vol.19 (part. 1), p.232.

124. C.K. Murthy, **A.O.L. Wong**, R.J. Turner, and R.E. Peter (1993). Seasonal variations in growth hormone response to two native gonadotropin-releasing hormones (GnRH) in goldfish. Program and Abstracts, XIIth International Congress of Comparative Endocrinology, A-113.

125. **A.O.L. Wong**, J.P. Chang, and R.E. Peter (1993). Interactions of somatostatin, gonadotropin-releasing hormone, and the gonads on dopamine-stimulated growth hormone release in the goldfish. Program and Abstracts, XIIth International Congress of Comparative Endocrinology, A-173.

126. J.P. Chang, **A.O.L. Wong**, and R.M. Jobin (1993). Intracellular mechanisms mediating dopamine D1 stimulation of growth hormone release in the goldfish. Program and Abstracts, IUBS Syposium on "Advances in the Molecular Endocrinology of Fish" [Invited Review Lecture].

127. C.K. Murthy, **A.O.L. Wong**, and R.E. Peter (1993). A mammalian gonadotropin-releasing hormone antagonist selectively inhibits growth hormone release in goldfish. Program and Abstracts, 75th Annual Meeting of the Endocrine Society (Abstract #1452).

128. **A.O.L. Wong**, J.P. Chang, and R.E. Peter (1992). Cyclic AMP and extracellular calcium in dopamine-stimulated growth hormone release from goldfish pituitary cells. Program and Abstracts, 74th Annual Meeting of the Endocrine Society (Abstract #528).

129. **A.O.L. Wong**, J.P. Chang, and R.E. Peter (1992). Dopamine as a growth hormone-releasing factor in the goldfish, Carassius auratus. Program and Abstracts, 2nd International Symposium on Fish Endocrinology, p.L36 [Invited oral presentation].

130. J.P. Chang, R.M. Jobin, **A.O.L. Wong** (1992). Intracellular mechanisms mediating gonadotropin and growth hormone release in the goldfish, Carassius auratus. Program and Abstracts, 2nd International Symposium on Fish Endocrinology, p.O3

131. R.E. Peter, J.P. Chang, **A.O.L. Wong**, C. Peng, C.K. Murthy, V.L. Trudeau, C.S. Nahorniak, and R.M. Jobin (1992). Comparative studies on the regulation of growth hormone by brain peptides. Program & Proceedings for 35th Annual Meeting of Canadian Federation of Biological Societies, p121 (Absract #458). [Invited Review Lecture]

132. R.E. Peter, J.P. Chang, C.S. Nahorniak, C. Peng, V.L. Trudeau and **A.O.L. Wong** (1991). Stimulation of growth hormone secretion in goldfish by neuropeptides and dopamine. Program and Abstracts, 16th Meeting of the Japan Society for Comparative Endocrinology, Ise, Japan, 21-22 November, 1991. [Invited Review Lecture]

133. **A.O.L. Wong**, J.P. Chang and R.E. Peter (1991). Dopamine stimulates growth hormone release from the pituitary of the goldfish through dopamine D1 receptors. Program and Abstracts, 73rd Annual Meeting of the Endocrine Society, p.416 (Abstract #1541).

134. V.L. Trudeau, B.D. Sloley, **A.O.L. Wong** and R.E. Peter (1991). Interaction of sex steroids with dopamine (DA) and gonadotropin releasing hormone (GnRH) in the control of gonadotropin (GTH) secretion in the goldfish. 4th International Symposium on Reproductive Physiology of Fish. Abstracts (Abstract #152).

135. R.E. Peter, J.P. Chang, C. Peng, V.L. Trudeau, G. Somoza, **A.O.L. Wong**, C.S. Nahorniak, J.E. Rivier and W.W. Vale (1990). Multifactoral regulation of growth hormone secretion in the goldfish. Abstract for 15th Conference of European Comparative Endocrinologists. [Invited Review Lecture]

Presentations in International Meetings/other Universities

(A) Presentations in Meetings/Conferences

1. Invited Symposium Presentation on “Spexin as a satiety factor in fish model: Involvement of growth hormone/insulin -like growth factor axis in insulin-induced spexin expression at hepatic level”. 2018 International Conference of

Chinese Comparative Endocrinologists & 12th Academic Conference of China Zoological Society for Comparative Endocinology (July 1-3, 2018), Shanghai Ocean University, Shanghai, China.

2. Invited Symposium Presentation on "Insulin as a functional link between food intake and spexin expression: Recent progress on spexin as a satety factor in fish model". Symposium on Signaling and Neuroendocrine Control, the 18th International Congress of Comparative Endocrinology (June 4-9, 2017), Lake Louise, Alberta, Canada.

3. Invited State-of-the-art Lecture on "Synergism of IGF and TAC3 gene products in somatolactin α regulation: Pituitary type III neurokinin receptor expression and intrapituitary feedback by somatolactin α", Symposium on Recent Advances in Fish Endocrinology, the 8th Congress of the Asian & Oceania Society for Comparative Endocrinology (June 20-24, 2016) Seoul, Korea.

4. Invited Symposium Presentation on "Novel pituitary actions of TAC3/NK3R system", Symposium on Recent Advances in Endocrine Research, 2015 Joint Meeting of the 7th Annual Meeting of the Asian Association of the Study of Diabetes and Annual Scientific Meeting of Hong Kong Society of Endocrinology, Metabolism & Reproduction (Nov 21-22, 2015), Hong Kong Convention & Exhibition Centre, Hong Kong.

5. Invited Symposium Presentation on "Pituitary hormones & their intrapituitary actions in fish model", 2015 Joint Symposium for Research & Collaboration (March 3, 2015), University of Macau, Macau.

6. Invited Symposium Lecture on "Novel pituitary actions of TAC3 gene products in fish model", The 7th Intercongress Congress of Asian & Oceania Society of Comparative Endocrinology (March 18-22, 2014), National Taiwan Ocean University, Keelung, Taiwan.

7. Invited Symposium Presentation on "Spexin as a novel regulator for feeding behavior in goldfish", Symposium on Brain and Behaviour (Nov 29-30, 2013), University of Saint Joseph, Macau.

8. Invited State-of-the-art Lecture on "Novel mechanisms for signal termination of growth hormone (GH) receptor:- PIAS1 as a feedback repressor for GH-induced IGF-I gene transcription via JAK2/STAT5 signaling". Symposium session on "Novel aspects of signal transduction in endocrine cells", The 17th International Congress of Comparative Endocrinology (July 15-19, 2013), Barcelona, Spain.

9. Invited State-of-the-art Lecture on "Spexin as a novel satiety factor in fish model". Symposium session on Neuroendocrinology, The 7th Congress of Asian & Oceania Society of Comparative Endocrinology (March 3-7, 2012), Kuala Lumpur, Malaysia.

10. Invited Symposium Presentation on "Molecular mechanisms for PACAP induction of growth hormone gene expression". Symposium Session 2-5 Neuroendocrinology & Pituitary, BIT's 1st Annual World Congress of Endobolism-2011 (Jan 25-27), Xiamen, China.

11. Selected Oral Presentation on "Signaling mechanisms for luteinizing hormone induction of growth hormone gene transcription in grass carp". The 6th Intercongress Symosium of the Asia and Oceania Society for Comparative Endocrinology (Jan 19-22, 2010), Massey University, Palmerston North, New Zealand

12. Invited Symposium Presentation on "Functional role of c-Fos and Jun B in PACAP induction of growth hormone gene expression in grass carp pituitary cells". The 2nd International Symposium of Fish Growth & Reproduction (June 20-21, 2009), University of Hong Kong, Hong Kong.

13. Invited Symposium Presentation on "New Components of Intrapituitary Feedback Loop regulating Growth Hormone Synthesis and Secretion in Grass Carp", The 6th International Symposium on Fish Endocrinology (June 22-27, 2008), University of Calgary, Calgary, Alberta, Canada.

14. Invited Symposium Presentation on "Novel Aspects of Autocrine/Paracrine Actions of Growth Hormone in Grass Carp Pituitary Cells", The 15th International Congress of Comparative Endocrinology (May 22-27, 2005), Boston, Massachusetts, USA.

15. Invited Symposium Presentation on "Intrapituitary Feedback Loop regulating Growth Hormone Gene Expressin through Local Interactions between Gonadotrophs and Somaotrophs in Chinese Grass Carp", International Symposium for Fish Growth and Reproduction (Oct 21-22, 2003), Department of Aquaculture, National Taiwan Ocean University, Keelung, Taiwan.

16. Selected Oral Presentation on "Functional Role of the Immediate Early Gene c-Fos in PACAP-stimulated Growth Hormone Gene Expression in Grass Carp Pituitary Cells", The 4th Intercongress Symposiumof Asia and Oceania Society for Comparative Endocrinology (Oct 8-11, 2002), Zhongshan University, Guangzhou, China.

17. Selected Oral Presentation on "PACAP as a novel growth hormone-releasing factor in fish models", The 3 rd International Symposium of Asia and Oceania Society for Comparative Endocrinology, Hormone Research Center (Sept, 22-25, 1998), Chonnam National University, Gwangju, Korea.

18. Selected Oral Presentation on "Dopamine as a novel growth hormone-releasing factor in goldfish", The 2nd International Symposium on Fish Endocrinology (June 2-5, 1992). St. Malo, France.

(B) Invited Presentations in other Universities

1. June 21, 2018, "Spexin as a satiety factor in fish model: Somatotropic axis in spexin regulation by insulin at hepatic level", The Chinese University of Hong Kong, Shatin, Hong Kong, China.
2. May 17, 2017, "Novel Aspects of Feeding Control by Spexin in Fish Model" (Invited speaker for Outstanding Scholar's Research Seminar), Department of Science & Environmental Studies, The Education University of Hong Kong.
3. April 27, 2017, "Dual Role of Insulin as a Functional Link between Food Intake and Spexin Expression in Fish Model", School of Life Science, The Chinese University of Hong Kong, Shatin, Hong Kong, China.
4. Jun 22, 2016, "Novel Actions of TAC3/NK3R System in Fish Pituitary" (Invited speaker for Distinguished Lecture Series in Environmental Health), School of Public Health, Seoul Nation University, Seoul, Korea.
5. Apr 21, 2016, "Interactions of IGF and TAC3 Gene Products on Somatolactin α Gene Expression". School of Chinese Medicine, Hong Kong Baptist University, Kowloon, Hong Kong.
6. Apr 09, 2015, "Novel Pituitary Actions of TAC3 Gene Products in Fish Model", School of Life Science, The Chinese University of Hong Kong, Shatin, Hong Kong, China.
7. Nov 23, 2011, School of Life Sciences, Sun Yat Sen (Zhongshan) University, Guang Zhu, P.R. China.
8. July 30, 2010, School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, P.R. China.
9. Aug, 18, 2009, Department of Biology & Chemistry, The City University of Hong Kong, Hong Kong.
10. May 30, 2007, Department of Biology, York University, Toronto, Canada
11. April 26, 2007, School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, P.R. China.
12. Aug, 29, 2006, Department of Biology, The Chinese University of Hong Kong, Hong Kong.
13. Aug 24, 2005, School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, P.R. China.
14. Jan 15, 2003, Department of Obstetrics & Gynnaecology, University of British Columbia, Vancouver, Canada.
15. Jan 12, 2002, School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, P.R. China.
16. Jun 8, 2001, Postgraduate Conference on Marine Biology and Biotechnology, Department of Biology, The Chinese University of Hong Kong, Hong Kong.
17. Sept 28, 2001, Department of Biology & Chemistry, The City University of Hong Kong, Hong Kong.
18. Dec 20, 2000, School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, P.R. China.
19. Jun 27, 2000, Department of Biology, York University, Toronto, Canada
20. July 23, 1999, School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, P.R. China.
21. Dec 10, 1999, Mini-Symposium on Aquacultural Biotechnology, Department of Biology, The Chinese University of Hong Kong, Hong Kong.
22. Oct 17, 1998, Dept. of Animal Science, South China Agricultural University, Guangzhou, P.R. China.
23. Oct 15, 1998, School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, P.R. China.
24. Jun 24, 1998, Department of Biology, York University, Toronto, Canada.
25. Jun 22, 1998, Department of Biochemistry, McMaster University, Ontario, Canada.
26. May 22, 1997, Department of Biological Sciences, University of Alberta, Edmonton, Canada.
27. Oct 4, 1996, School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, China.
28. Oct 11, 1996, First Scientific Meeting of the Center for Cellular Biology, University of Hong Kong, Hong Kong.
29. March 18, 1995, State Key Laboratory for Reproduction, Nutrition & Diseases Control of Economic Aquatic Animals, Zhongshan University, Guangzhou, P.R. China.
30. March 16, 1995, School of Life Sciences, Sun Yat-Sen (Zhongshan) University, Guangzhou, China.
31. March 23, 1995, Department of Biochemistry, The Chinese University of Hong Kong, Hong Kong.
32. Dec 12, 1994, Department of Zoology, University of Alberta, Edmonton, Canada.
33. April 23, 1994, Department of Clinical Biochemistry, University of Toronto, Toronto, Canada.
34. Sept 20, 1993, Department of Physiology, University of Western Ontario, London, Canada.

Undergraduate Teaching: Performance & Contributions

Undergraduate Teaching & Students' Rating (since 2000)

Teaching Records for 2017-2018 [Total lecture hours (excluding labs): 55 hr/year]

BIOL3406 Reproduction & Reproductive Biotechnology (Enrollment: 35)
Teaching Duties: 24 lectures, 4 labs & 1 site visit (1st Semester, as course coordinator & sole teacher)
SETL Score on Teaching Effectiveness: 90.9 % [Department average: 78.0%.]
[Ranked No.6 in terms of course effectiveness (81.8%) for semester one, 2017-2018.]

BIOL3205 Human Physiology (Enrollment: 106)
Teaching Duties: 8 lectures only (1st Semester, responsible for 1/4 of the course)
SETL Score on Teaching Effectiveness: 79.5 % [Department average: 78.0%.]
[Ranked No.8 in terms of course effectiveness (81.6%) for semester one, 2017-2018.]

BIOL2215 Animal Physiology (Enrollment: 31)
Teaching Duties: 23 lectures only (2nd Semester, as course coordinator & responsible for ~2/3 of the course.)
SETL Score on Teaching Effectiveness: 91.7 % [Department average: 77.9 %]

Teaching Records for 2016-2017 [Total lecture hours (excluding labs): 55 hr/year]

BIOL3406 Reproduction & Reproductive Biotechnology (Enrollment: 25)
Teaching Duties: 24 lectures, 4 labs & 1 site visit (1st Semester, as course coordinator & sole teacher)
SETL Score on Teaching Effectiveness: 85.7 % [Department average: 76.3%.]
[Ranked No.4 in terms of course effectiveness (87.5%) for semester one, 2015-2016.]

BIOL3205 Human Physiology (Enrollment: 123)
Teaching Duties: 8 lectures only (1st Semester, responsible for 1/4 of the course)
SETL Score on Teaching Effectiveness: 80.3 % [Department average: 76.3%.]

BIOL2215 Animal Physiology & Environmental Adaptation (Enrollment: 33)
Teaching Duties: 22 lectures only (2nd Semester, as course coordinator & responsible for ~2/3 of the course.)
SETL Score on Teaching Effectiveness: 81.3 % [Department average: 76.9 %]

Teaching Records for 2015-2016 [Total lecture hours (excluding labs): 55 hr/year]

BIOL3406 Reproduction & Reproductive Biotechnology (Enrollment: 22)
Teaching Duties: 24 lectures, 4 labs & 1 site visit (1st Semester, as course coordinator & sole teacher3
SETL Score on Teaching Effectiveness: 90.6 % [Department average: 73.9%.]
[Ranked No.1 in terms of course effectiveness (92.2%) for semester one, 2015-2016.]

BIOL3205 Human Physiology (Enrollment: 85)
Teaching Duties: 8 lectures only (1st Semester, responsible for 1/4 of the course)
SETL Score on Teaching Effectiveness: 71.1 % [Department average: 73.9%.]

BIOL2215 Animal Physiology & Environmental Adaptation (Enrollment: 39)
Teaching Duties: 22 lectures only (2nd Semester, as course coordinator & responsible for ~2/3 of the course.)
SETL Score on Teaching Effectiveness: 75.0 % [Department average: 73.9 %]

Teaching Records for 2014-2015 [Total lecture hours (excluding labs): 32 hr/year]
(No teaching duty in the second semester due to mini-stroke & coronary heart disease.)

BIOL3406 Reproduction & Reproductive Biotechnology (Enrollment: 18)
Teaching Duties: 24 lectures, 4 labs & 1 site visit (1st Semester, as course coordinator & sole teacher)
SETL Score on Teaching Effectiveness: 82.5 % [Department average: 75.0%.]

BIOL3205 Human Physiology (Enrollment: 135)
Teaching Duties: 8 lectures only (1st Semester, responsible for 1/4 of the course)
SETL Score on Teaching Effectiveness: 76.6 % [Department average: 75.0%.]

Teaching Records for 2013-2014 [Total lecture hours (excluding labs): 45 hr/year]
(BIOL2203 Reproduction & Reproductive Biotechnology was accidentally cancelled for this year due to errors in setting up the prerequisites for the 4-year curriculum.)

BIOL2215 Animal Physiology & Environmental Adaptation (Enrollment: 32)
Teaching Duties: 22 lectures only (2nd Semester, as course coordinator & responsible for ~2/3 of the course.)
SETL Score on Teaching Effectiveness: 87.5 % [Department average: 74.1 %]

BIOL1122B Functional Biology (Enrollment: 105)
Teaching Duties: 8 lectures (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 78.8 % [Department average: 74.1 %]

BIOL3315 Animal Biotechnology (Enrollment: 24)
Teaching Duties: 8 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 75.0 % [Department average: 71.1 %]

BIOL2218 Human Physiology (Enrollment: 102)
Teaching Duties: 6 lectures only (1st Semester, responsible for 1/4 of the course)
SETL Score on Teaching Effectiveness: 70.6 % [Department average: 71.1 %]

Teaching Records for 2012-2013 [Total lecture hours (excluding labs): 74 hr/year]

BIOL3315 Animal Biotechnology (Enrollment: 24)
Teaching Duties: 8 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 91.7 % [Department average: 74.0 %]
BIOL2215 Animal Physiology & Environmental Adaptation (Enrollment: 38)
Teaching Duties: 21 lectures only (2nd Semester, as course coordinator & responsible for ~2/3 of the course.)
SETL Score on Teaching Effectiveness: 80.8 % [Department average: 74.0 %]
BIOL1122B Functional Biology (Enrollment: 105)
Teaching Duties: 8 lectures (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 82.5 % [Department average: 74.0 %]
BIOL2203 Reproduction & Reproductive Biotechnology (Enrollment: 37)
Teaching Duties: 24 lectures and 5 class practicals (1st Semester, as course coordinator & sole teacher)
SETL Score on Teaching Effectiveness: 86.9 % [Department average: 71.1 %]
BIOL2218 Human Physiology (Enrollment: 109)
Teaching Duties: 6 lectures only (1st Semester, responsible for 1/4 of the course)
SETL Score on Teaching Effectiveness: 77.6 % [Department average: 71.1 %]
BIOL1122A Functional Biology (Enrollment: 189)
Teaching Duties: 8 lectures (1st Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness : 72.1 % [Department average: 71.1 %]

Teaching Records for 2011-2012 [Total lecture hours (excluding labs): 42 hr/year]

BIOL3315 Animal Biotechnology (Enrollment: 28)
Teaching Duties: 8 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 81.2 % [Department average: 73.5 %]
BIOL2215 Animal Physiology & Environmental Adaptation (Enrollment: 17)
Teaching Duties: 21 lectures only (2nd Semester, as course coordinator & responsible for 3/5 of the course.)
SETL Score on Teaching Effectiveness: 76.9.1 % [Department average: 73.5 %]
BIOL1122B Functional Biology (Enrollment: 95)
Teaching Duties: 8 lectures (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 82.1.0 % [Department average: 73.5 %]
BIOL2218 Human Physiology (Enrollment: 102)
Teaching Duties: 5 lectures only (1st Semester, responsible for 1/4 of the course)
SETL Score on Teaching Effectiveness: 81.3 % [Department average: 73.3 %]

Teaching Records for 2010-2011 [Total lecture hours (excluding labs): 67 hr/year]

BIOL2215 Animal Physiology (Enrollment: 30)
Teaching Duties: 15 lectures only (2nd Semester, as course coordinator & responsible for 2/5 of the course.)
SETL Score on Teaching Effectiveness: 86.8 % [Department average: 72.1 %]
BIOL3315 Animal Biotechnology (Enrollment: 24)
Teaching Duties: 7 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 78.4 % [Department average: 72.1 %]
BIOL1122B Functional Biology (Enrollment: 107)
Teaching Duties: 8 lectures (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 78.0 % [Department average: 72.1 %]
BIOL2203 Reproduction & Reproductive Biotechnology (Enrollment: 15)
Teaching Duties: 24 lectures and 5 class practicals (1st Semester, as course coordinator & sole teacher)
SETL Score on Teaching Effectiveness: 83.9 % [Department average: 72.1 %]
BIOL2218 Human Physiology (Enrollment: 118)
Teaching Duties: 5 lectures only (1st Semester, responsible for 1/4 of the course)
SETL Score on Teaching Effectiveness: 81.6 % [Department average: 72.1 %]
BIOL1122A Functional Biology (Enrollment: 157)
Teaching Duties: 8 lectures (1st Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness : 76.9 % [Department average: 72.1 %]

Teaching Records for 2009-2010 [Total lecture hours (excluding labs): 67 hr/year]

BIOL2215 Animal Physiology (Enrollment: 32)
Teaching Duties: 15 lectures only (2nd Semester, as course coordinator & responsible for 2/5 of the course.)
SETL Score on Teaching Effectiveness: 79.8 % [Department average: 70.0 %]
BIOL3315 Animal Biotechnology (Enrollment: 60)
Teaching Duties: 7 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 79.2 % [Department average: 70.0 %]
BIOL1122B Functional Biology (Enrollment:128)
Teaching Duties: 8 lectures (2nd Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness: 80.3 % [Department average: 70.0 %]
BIOL2203 Reproduction & Reproductive Biotechnology (Enrollment: 32)
Teaching Duties: 24 lectures and 5 class practicals (1st Semester, as course coordinator & sole teacher)
SETL Score on Teaching Effectiveness: 92 % [Department average: 70.8 %]
BIOL2218 Human Physiology (Enrollment: 92)
Teaching Duties: 5 lectures only (1st Semester, responsible for 1/4 of the course)
SETL Score on Teaching Effectiveness: 79.9 % [Department average: 70.8 %]
BIOL1122A Functional Biology (Enrollment: 120)
Teaching Duties: 8 lectures (1st Semester, responsible for 1/3 of the course)
SETL Score on Teaching Effectiveness : 83.0 % [Department average: 70.8 %]

Teaching Records for 2007-2008 [Total lecture hours (excluding labs): 61 hr/year]

BIOL1107 Introduction to Developmental Biology & Reproduction (Enrollment: 42)
Teaching Duties: 6 lectures and 2 class practicals (1st Semester, responsible for half of the course.)
SET Score on Teaching Effectiveness : 78.8 % [Department average : 64.5 %]
BIOL2203 Reproduction & Reproductive Biotechnology (Enrollment: 50)
Teaching Duties: 24 lectures, 5 class practicals, and 1 field trip (1st Semester, as course coordinator & sole teacher)
SET Score on Teaching Effectiveness: 80.3 % [Department average: 64.5]
BIOL3315 Animal Biotechnology (Enrollment: 61)
Teaching Duties: 6 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SET Score on Teaching Effectiveness: 79.3 % [Department average: 62.5 %]
BIOL2215 Animal Physiology (Enrollment: 108)
Teaching Duties: 25 lectures only (2nd Semester, as course coordinator & responsible for 2/3 of the course)
SET Score on Teaching Effectiveness: 63.2 % [Department average: 62.5 %]

Teaching Records for 2008-2009 [Total lecture hours (excluding labs): 32 hr/year; Study leave in 1st Semester]

BIOL2215 Animal Physiology (Enrollment: 116)

Teaching Duties: 25 lectures only (2nd Semester, as course coordinator & responsible for 2/3 of the course)
SET Score on Teaching Effectiveness: 78.7 % [Department average: 64.6 %]
BIOL3315 Animal Biotechnology (Enrollment: 60)
Teaching Duties: 7 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SET Score on Teaching Effectiveness: 77.4 % [Department average: 64.6 %]

Teaching Records for 2007-2008 [Total lecture hours (excluding labs): 61 hr/year]

BIOL1107 Introduction to Developmental Biology & Reproduction (Enrollment: 42)
Teaching Duties: 6 lectures and 2 class practicals (1st Semester, responsible for half of the course.)
SET Score on Teaching Effectiveness : 78.8 % [Department average : 64.5]
BIOL2203 Reproduction & Reproductive Biotechnology (Enrollment: 50)
Teaching Duties: 24 lectures, 5 class practicals, and 1 field trip (1st Semester, as course coordinator & sole teacher)
SET Score on Teaching Effectiveness: 80.3 % [Department average: 64.5 %]
BIOL3315 Animal Biotechnology (Enrollment: 61)
Teaching Duties: 6 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SET Score on Teaching Effectiveness: 79.3 % [Department average: 62.5 %]
BIOL2215 Animal Physiology (Enrollment: 108)
Teaching Duties: 25 lectures only (2nd Semester, as course coordinator & responsible for 2/3 of the course)
SET Score on Teaching Effectiveness: 63.2 % [Department average: 62.5 %]

Teaching Records for 2006-2007 [Total lecture hours (excluding labs): 60 hr/year]

BIOL1107 Introduction to Developmental Biology & Reproduction (Enrollment: 92)
Teaching Duties: 6 lectures and 2 class practicals (1st Semester, responsible for half of the course.)
SET Score on Teaching Effectiveness: 72.5 % [Department average : 64.0 %]
BIOL2203 Reproduction & Reproductive Biotechnology (Enrollment: 38)
Teaching Duties: 24 lectures, 5 class practicals, and 1 field trip (1st Semester, as course coordinator & sole teacher)
SET Score on Teaching Effectiveness: 68.5 % [Department average: 64.0 %]
BIOL3315 Animal Biotechnology (Enrollment: 66)
Teaching Duties: 6 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SET Score on Teaching Effectiveness: 70.4 % [Department average: 62.5 %]
BIOL2215 Animal Physiology (Enrollment: 134)
Teaching Duties: 24 lectures only (2nd Semester, as course coordinator & responsible for 2/3 of the course)
SET Score on Teaching Effectiveness: 62.0 % [Department average: 62.5 %]

Teaching Records for 2005-2006 [Total teaching hours (excluding labs): 60 hr/year]

BIOL1107 Introduction to Developmental Biology & Reproduction (Enrollment: 108)
Teaching Duties: 6 lectures and 2 class practicals (1st Semester, responsible for half of the course.)
SET Score on Teaching Effectiveness: 76.1 % [Department average: 62.7 %]
BIOL2203 Reproduction (Enrollment: 7)
Teaching Duties: 24 lectures, 4 class practicals, and 1 field trip (1st Semester, as course coordinator & sole teacher)
SET Score on Teaching Effectiveness: 66.7 % [Department average: 62.7 %]
BIOL2215 Animal Physiology (Enrollment: 109)
Teaching Duties: 25 lectures only (2nd Semester, as course coordinator & responsible for 2/3 of the course)
SET Score on Teaching Effectiveness: 64.2 % [Department average: 59.6 %]
BIOL2304 Aquaculture Biotechnology (Enrollment: 48)
Teaching Duties: 6 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)
SET Score on Teaching Effectiveness: 59.5 % [Department average: 59.6 %]

Teaching Records for 2004-2005 [Total lecture hours (excluding labs): 39 hr/year]

BIOL1107 Introduction to Developmental Biology & Reproduction
Teaching Duties: 6 lectures and 2 class practicals (1st Semester, responsible for half of the course.)
SET Score on Teaching Effectiveness: 74.8 % [Department average: 60.6 %]
BIOL2304 Aquaculture Biotechnology
Teaching Duties: 6 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)

SET Score on Teaching Effectiveness: 69.7 % [Department average: 61.5 %]

BIOL2215 Animal Physiology

Teaching Duties: 28 lectures only (2nd Semester, as course coordinator & responsible for 3/4 of the course)

SET Score on Teaching Effectiveness: 66.9 % [Department average: 61.5 %]

Teaching Records for 2003-2004 [Total lecture hours: 0 hr/year; Sick Leave for Cancer Treatment]

Teaching Records for 2002-2003 [Total lecture hours: 12 hr/year; Sick Leave for Cancer Treatment]

BIOL1107 Introduction to Developmental Biology & Reproduction

Teaching Duties: 6 lectures and 2 class practicals (1st Semester, responsible for half of the course.)

SET Score on Teaching Effectiveness: 70.6 % [Department average: 55.2 %]

BIOL2304 Aquaculture Biotechnology

Teaching Duties: 6 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)

SET Score on Teaching Effectiveness: 60.8 % [Department average: 55.2 %]

Teaching Records for 2001-2002 [Total lecture hours (excluding labs): 63 hr/year]

BIOL2203 Reproduction

Teaching Duties: 24 lectures, 4 class practicals, and 1 field trip (1st Semester, as course coordinator & sole teacher)

SET Score on Teaching Effectiveness: 76.9 % [Department average: 50.83 %]

BIOL2215 Animal Physiology

Teaching Duties: 28 lectures only (2nd Semester, responsible for 1/3 of the course)

SET Score on Teaching Effectiveness: 66.7 % [Department average: 50.8 %]

BIOL2304 Aquaculture biotechnology

Teaching Duties: 5 lectures and 2 class practicals (2nd Semester, responsible for 1/3 of the course)

SET Score on Teaching Effectiveness: 66.2 % [Department average: 50.8 %]

BIOL1107 Introduction to Developmental Biology & Reproduction

Teaching Duties: 6 lectures and 2 class practicals (1st Semester, responsible for half of the course.)

SET Score on Teaching Effectiveness: 53.5 % [Department average: 55.3%]

Teaching Records for 2000-2001 [Total lecture hours (excluding labs): 69 hr/year]

BIOL2203 Reproduction

Teaching Duties: 24 lectures and 5 class practicals (1st Semester, as course coordinator & sole teacher)

SET Score on Teaching Effectiveness: 85.4 % [Department average: 55.8 %]

BIOL2206 Animal Physiology II: Regulatory Physiology

Teaching Duties: 12 lectures, 1 tutorial, and 4 class practicals (1st semester, responsible for half of the course)

SET Score on Teaching Effectiveness: 75.0 % [Department average: 56.7 %]

BIOL2304 Aquaculture biotechnology

Teaching Duties: 5 lectures and 2 class practicals (2nd Semester)

SET Score on Teaching Effectiveness: 77.2 % [Department average: 55.8 %]

BIOL2204 Animal Physiology I: Environmental Physiology

Teaching Duties: 28 lectures, 2 tutorials, and 4 class practicals (2nd Semester)

SET Score on Teaching Effectiveness: 71.4 % [Department average: 55.8 %]

Supervision of Undergradrate Research Students

(A) Summer Research Students

1. Mei Yee Leung (1995)
2. Vivian, Chor Ching Chan (1996)
3. Carol, Wai Man Chan (1999)
4. Hiu Chi Chan (2000)
5. Yau Chuk Cheuk (2000)
6. Hoi Yan Chan (2000)

7. Gerald Francis Brown (2002)
8. Tina, Na Wei (2004) (Dean's honor list, HKU)
9. Brain, Tsz Chung Lau (2009) (Dean's honor list, HKU)
10. David, Chun Hei Poon (2009) (Dean's honor list, HKU)
11. Micheal, Chin Pong Wat (2009) (Dean's honor list, HKU)
12. Wade, Wei Wong (2010) (Dean's honor list, HKU)
13. Matthew, Ka Hei Wong (2010) (Dean's honor list, SPACE)
14. Kew Chun (2011) (Dean's honor list, HKU & recipient of Summer Research Fellowship)
15. Sirius, Ming Long Chung (2011) (Recipient of Summer Research Fellowship)
16. Emily, Ching Tse (2012)
17. Jack, Wing Lam Tsang (2014)
18. Christine, Ka Wai Cheung (2014) (Recipient of Summer Research Fellowship)
19. Annalie Chi Ching Chow (2015)
20. Ishaq Farrah Mohammad (2015)
21. Martina Mang Leng Lei (2015)
22. Joy Yan Lam (2016)
23. Sharon, Shyuan Wang (2016)
24. Garrick, Ka Wai Yip (2017) (Recipient of Summer Research Fellowship)
25. Vera, Xiao Zhuo Kang (2018) (Recipient of Summer Research Fellowship)
26. Sam, Ching Sum Ho (2018) (Recipient of Summer Research Fellowship)
27. Rainbow, Lok Yee Wan (2018) (Recipient of Undergraduate Research Fellowship)

(B) Final Year Project Students

1. Mei Yee Leung (1995-1996)
2. Vivian, Chor Ching Chan (1996-1997)
3. Carol, Wai Man Chan (1999-2000)
4. Hiu Chi Chan (2000-2001)
5. Yau Chuk Cheuk (2000-2001)
6. Hoi Yan Chan (2000-2001)
7. Gerald Francis Brown (2002-2003)
8. Tina, Na Wei (2004-2005) (1st honor student)
9. Anna, Chen Zhou (2004-2005)
10. Brain, Tsz Chung Lau (2009-2010) [1st honor student]
11. David, Chun Hei Poon (2009-2010) [1st honor student & recipient of 2010 DKO Chan Award for Outstanding Student in Biological Sciences (Biology)]
12. Micheal, Chin Pong Wat (2009-2010) [1st honor student & recipient of 2010 DKO Chan Award for Outstanding Student in Biological Sciences (Biotechnology)]
13. Wade, Wei Wong (2010-2011) [1st honor student & recipient of 2010 DKO Chan Award for Outstanding Student in Biological Sciences (Food & Nutrition)]
14. Matthew, Ka Hei Wong (2010-2011)
15. Kew Chun (2011-2012) [1st honor student]
16. Emily, Ching Tse (2012-2013)) [1st honor student]
17. Jack, Wing Lam Tsang (2014-2015)
18. Annalie Chi Ching Chow (2015)
19. Ishaq Farrah Mohammad (2015)
20. Martina Mang Leng Lei (2015)
21. Garrick Ka Wai Yip (2017)
22. Sam, Ching Sum Ho (2018) (Recipient of Summer Research Fellowship)
23. Rainbow, Lok Yee Wan (2018) (Recipient of Undergraduate Research Fellowship)

Curriculum Design & Revising Teaching Programs

- In preparation for the new 4-year curriculum for HKU, a new course, namely "General Physiology", was planned to be introduced in 2012-2013 with Drs. W.K. Yip & A. Yan as a part of the core program for year 2 biology students. The course was designed to cover the basic concepts of microbial, plant & animal physiology and serve as an introduction for higher level courses in year 3 & 4 of the new curriculum for microbiology, biotechnology, plant & animal physiology, endocrinology and food & nutrition. (Unfortunately, the course had been cancelled mainly to consolidation of the core courses for year 1 & 2 teaching.)

- Revising the design of physiology teaching for biology and food science programs with Dr E.T.S. Li. The process involved the introduction of a new course in 2009-2010, namely "Human Physiology", for students of food science program. The old course BIOL2215 Animal Physiology was renamed as "Animal Physiology: Functional Interactions with Environment" with revised contents for students from biology & ecology programs. The course is also open to students from the new environmental science program.

- Revising the teaching contents of the introductory courses for reproduction, developmental biology & introductory biology with Dr. W.W.M. Lee. A new introductory course on Biological Sciences was introduced for year-one students in 2009-2010 and the process involved updating & consolidation of the lectures and laboratory sessions of BIOL1107 Introduction to Developmental Biology & Reproduction and BIOL 1122 Functional Biology.

- Revising the teaching contents of biotechnology courses with Dr. A.S.T. Wong. Introduction of a new course on Reproduction and Reproductive Biotechnology (2007) and Consolidation of the old courses BIOL2304 Aquacultural Biotechnology, BIOL2305 Agricultural Biotechnology, and BIOL3308 Applied Molecular Biology in Mammalian Sciences into a new course BIO3315 Animal Biotechnology (2007). The process involved updating & condensing the teaching contents and laboratory sections from various courses.

- Revising the teaching contents of physiology courses with Dr. E.T.S. Li and integrating the old courses BIOL2206 Gastrointestinal Physiology, BIOL3511 Nutritional Physiology, and BIOL2215 Environmental Physiology into a new course on Animal Physiology (2006). The process involved updating & condensing the teaching contents from various courses and introduction of the simulation laboratory sessions in the class.

- Program Design & Organizer of "One-Day Symposium on Selected Topic of Animal Physiology (23/2/2002). The program has received Honourable Mention Award (2002) by Academic Council (HKU) for IT in Education. This is the first of its kind in Zoology Department to: i) use a symposium format for undergraduate teaching, ii) integrate the development of transferable skill of team work, literature research & oral presentation in a physiology course, and iii) have the active participation of students to decide the presentation contents & marking.

- Program Design & Syllabus Setting for Biology Section of the Broadening Course "Scientific Thinking & Interesting Discoveries" for 2nd year Non-Science Students. The course has been approved by HKU Central for teaching in 2003. [Invited by Dr. A.S.C. Cheung, Associate Dean & Former head of Department of Chemistry.]

- Consultant of Syllabus Setting, Reviewer of Teaching Contents (Biology Section), and Invited Marker for Poster Presentation for Broadening Course SCNC2002 "Science and the New Millenium" (2001 - 2002) for 1st year Non-Science Students. [Invited by Dr. Marcel S.F. Lie Ken Jie, Department of Chemistry.]

- Revising the teaching program of BIOL2203 Reproduction (2001) and Consolidation of BIOL2204 Environmental Physiology and BIOL2206 Regulatory Physiology into a new course BIOL2215 Animal Physiology (2001). The process involved updating & condensing the teaching contents, revising laboratory sections, introducing new film shows to broaden the coverage of teaching, and inviting guest speakers for selected topics of the programs.

Establishment & Fund Raising of Student Awards

- Obtaining a total of *409,500 $HK* match funding from *the 6th Government Matching Grant Scheme* (HKSAR, 2014 round) based on our funding raising of *Professor Brian Morton Undergraduate Prize* and the new money was used to support a second student prize, namely *Professor Brian Morton Postgraduate Prize in Marine Biology*, for the best PhD/M.Phil thesis submitted by School of Biological Sciences working in the field of marine biology & related areas. (The first "call for application" for theses submitted in 2014 academic year has been sent out to our postgraduate students in early June, 2015.)

- Founder, fund-raiser & convenor for *Professor Brian Morton Undergraduate Prize in Biology*. The awards were first approved by the senate of HKU in 2013 and established in 2014 to honor *Prof. Brain Morton*, the emeritus professor of the Department of Ecology & Biodiversity, for his outstanding contributions on teaching and research in marine biology as well as pioneering marine environmental conservation in Hong Kong. With the donation of our colleagues, alumni, and long-term friends of the School of Biological Sciences, a total of *409,500 $HK* for seed funding has been received as a result of our fund-raising exercise. (With the help of Dr Edmund Li , the chief examiner of SBE, the first awardee has been recently nominated to the faculty office in early July, 2015.)

- Founder & fund-raiser for *Daniel K. O. Chan Award for Outstanding Student in Biological Sciences*. The award was established and approved by the senate of HKU in 2010 to honor *Prof. Daniel K. O. Chan*, the emeritus professor &

retired Head of the Zoology Department, for his significant contributions in both research & teaching in the School of Biological Sciences. With the support of our colleagues, alumni, and long-term friends in sister universities, a total of *265,600 $HK* for seed funding has been received as a result of our fund-raising exercise.

Postgraduate Training: PhD/M.Phil Students & Postdoc

Supervision of Postgraduate Students & Postdoc

Training of Postgraduate Students

1. Samuel Ng (M.Phil., Sept 1995 - Mar 1998)
2. Rebecca Ching Yu Leung (M.Phil., Sept 1996 - Oct 1998)
3. Mei Yee Leung (M.Phil., Sept 1996 - Feb 1999)
4. Mable Mei Sze Chu (M.Phil., Sept 1997 – Aug 1999)
5. Hong Zhou (Ph.D., Apr 2000 – Mar 2003)
6. Yonghua Jhiang (Ph.D., July 2000 – Sept 2003)
7. Anthea Kit Wa To (M. Phil., Jan 2001 – Feb 2003)
8. Longfei Huo (Ph.D., June 2001 – June 2004)
9. Anna Ka Yee Kwong (M.Phil., Sept 2001 – Aug 2003) (1st honor B.Sc/HKU)
10. Hoi Yan Chan (M.Phil., Sept 2001 – Aug 2004)
11. Guodong Fu (Ph.D., Sept 2002 – Dec 2006)
12. Roger Sai Kit Fung (M.Phil., Sept 2002 – Aug 2004)
13. Xinyan Wang (Ph.D., Dec 2002 – Mar 2007)
14. Sun Caiyun (Ph.D., Apr 2003 – Aug 2007)
15. Gerald Francis Brown (Ph.D., Sept 2003-Feb, 2009)
16. Chengyuan Lin (Ph.D., Sept 2004 – June 2009)
17. Roger Sai Kit Fung (Ph.D., Jan 2005 – June 2010)
18. Ling Wang (Ph.D., March 2005 – Dec 2006, as co-supervisor)
19. Meixia Pan (Ph.D., March 2005 – Feb 2010, as co-supervisor)
20. Quan Jiang (Ph.D., Sept 2006 –Aug, 2010)
21. Xiao Jia (M.Ph., Sept 2007 – Nov 2009)
22. Chen Ting (Ph.D., Sept 2008 – Aug 2012)
23. Pan Jinfei (M.Phil., Dec 2009 – Mar 2012)
24. Jiang Xue (Ph.D., Sept 2009 – Sept 2013)
25. Wade, Wei Wong (M.Phil., Sept 2011 – Aug, 2013) (1st honor B.Sc/HKU)
26. Matthew, Ka Hei Wong (M.Phil., Sept 2011 – Aug, 2013)
27. Hu Guangfu (Ph.D., Sept 2010 – Aug, 2014)
28. Chen Shuang (Ph.D., Sept 2010 –Feb 2015)
29. Wang Shimeng (Ph.D., Sep 2012 – Aug 2016, as co-supervisor)
30. Ma Ani (Ph.D., Oct 2013 – Nov 2017)
31. Jack, Wing Lam Tsang (M.Phil, Sept, 2015-March, 2018)
32. Bai Jin (1st honor B.Sc/Xiamen University; Ph.D., Sept 2014 – Aug, 2018) (Thesis submitted)
33. Li Dongliang (Ph.D., Sept 2018 – now) (Expected date of completion: Aug 31, 2022)
34. Zheng Yunhua (Ph.D., Sept 2018 – now) (Expected date of completion: Aug 31, 2022)

Training of Postdoc/Research Fellows

1. Dr. Chan Yuan (2017-2018), Postdoc from Xiamen University (China).
2. Dr. Jiang Xue (2014-2015), Research associate, School of Biological Sciences, University of Hong Kong (HK)
   (Current Position: - Postdoc fellow in Department of Medicine, University of Hong Kong, starting in July 2015)
3. Dr. Quan Jiang (2011-2013), Postdoc fellow of Biological Sciences, University of Hong Kong (HK)
   (Current Position: - Assistant Professor in Sichuan University, China; Recipient of 2011 HKU Postdoctoral fellowship)
4. Dr. Mulan He (2010-now), Postdoc fellow of Physiology Department, University of Hong Kong (HK).
   (Current Position: - Research associate in my lab; Recipient of 2007 HKU Postdoctoral fellowship)
5. Dr. Jianbin Wang (1999-2000), Postdoc from Chinese University of Hong Kong (Hong Kong)
   (Current Position: - Postdoctoral fellow in Binghamton University, New York, USA)
6. Dr. Wensheng Li (2000-2001), Postdoc from Zhongshan University (China)
   (Current Position: - Professor in Zhongshan University, Guangzhou, China.)
7. Dr. Mulan He (2004-2007), Postdoc from National Institutes of Health (USA).
   (Current Position: - Postdoctoral Fellow in University of Hong Kong, Hong Kong.)
7. Dr. Jungxia Du (2007-2008) from Henan University of Science & Technology, Luoyang, China.

(Current Position: - Assistant Professor in Medical College of Henan University of Science & Technology, China & working in my lab for one year as visiting researcher.)

Previous Students/Postdoc with faculty position/as established scientist

1. Dr. Hu Guangfu (PhD., 2014), Associate Professor, Huazhong Agricultural University, Wuhan, China.
2. Dr. Quan Jiang (Ph.D., 2010), Assistant Professor, Sichuan University, Sichuan, China.
3. Dr. Lin Chenyuan (PhD., 2009), Assistant Professor, Yunnan Minzu University, Kunming, China / also Research Assistant Professor, Hong Kong Baptist University, Hong Kong (2015).
4. Dr. Sun Caiyun (Ph.D., 2007), Associate Professor, Sun Yat-Sen (Zhongshan) University, Guangzhou, China.
5. Dr. Xinyan Wang (Ph.D., 2007), Associate Professor, University of Electronic Sciences & Technology, Sichuan, China.
6. Dr. Jungxia Du (Postdoc, 2007), Associate Professor, Henan University of Science & Technology, China
7. Dr. Longfei Huo (Ph.D., 2004), Instructor & Researcher, University of Texas, M.D. Anderson Cancer Center, TX, USA.
8. Prof. Hong Zhou (Ph.D., 2003), Professor, University of Electronic Sciences & Technology, Sichuan, China.
9. Prof. Wensheng Li (Postdoc, 2001), Professor, Sun Yat-Sen (Zhongshan) University, Guangzhou, China.

Organizing Research Seminars by Overseas Speakers for Postgraduates

- 2017, Nov 3 Invited Speaker: Prof Yong Zhu, Department of Biology, East Carolina University, USA. Title of Presentation: "Progestin and Nuclear Progestin Receptor Regulate Ovulatory Circuit and Metalloproteinases".
- 2017, Oct 6 Invited Speaker: Prof Yong Zhu, Department of Biology, East Carolina University, USA. Title of Presentation: "Molecular Mechanisms for Fertility Regulation by Multiple Progestin Receptors in Zebrafish".
- 2017, July 14 Invited Speaker: Dr Terence Hui, Senior Field Applications Scientist, Pall Fortebio LLC, USA. Title of Presentation: "Dissecting Biomolecular Interactions: Advanced Tools in Label-ree Interaction by Biolayer Interferometry".
- 2016, May 23 Invited Speaker: Prof Iswar Parphar, Director & Professor, Brain Research Insititute, Monash University, Malaysia. Title of Presentation: "Kisspeptin Modulates Odorant Evoked Fear".
- 2013, July 5 Invited Speaker: Dr Kejin Hu, UAB Stem Cell Institute, Department of Biochemistry & Molecular Genetics, University of Alabama at Briminham, USA. Title of Presentation: "Induced Pluripotent Stem Cell, a Powerful Tool for Dissecting Cell Reprogramming".
- 2013, May 28 Invited Speaker: Dr Christine Hsu, Product Specialist, GE Healthcare, Taiwan. Title of Presentation: Lecture #1 "Strategies of Protein Purification & Selection of Column with Right Medium for Optimal Performance" / Lecture #2 "Obtaining Excellent Result for Chromatography: Why, How & Critical Parameter for Different Technologies" / Lecture #3 "Simplified Purification of Histidine-tagged Recombinant Proteins" (Public lectures for "One-Day Training Workshop for Protein Purification" for postgraduate students, research associates & postdoc fellows.)
- 2011, May 18 Invited Speaker: Dr. Guodong Fu, Department of Biology, York University, Canada. Title of Presentation: "MicroRNA: How Ovarian Cancer resist Chemotherapy".
- 2011, Apr 11 Invited Speaker: Dr. Min Wu, Seahorse Bioscience, North Billerica, MA, USA. Title of Presentation: "Label Free Technology in Understanding Cellular Bioenergetics".
- 2010, Dec 21 Invited Speaker: Dr. Jerome Hui, Faculty of Sciences, University of Manchester, Manchester, United Kingdom; Title of Presentation: "Hox Genes and MicroRNAs in Animal Evolution and Development".
- 2010, Dec 02 Invited Speaker: Dr. Dong Liu, Laboratory of Developmental Biology, School of Life Sciences, Peking University, China; Title of Presentation: "Mechanism of Inner Ear Development in Zebrafish : Specification & Differentiation".
- 2009, March 6. Invited Speaker: Prof. Markito Kobayashi, Department of Biology, International Christian University, Tokyo, Japan; Title of Presentation: "Endocrine Control of Sex Behavior in Goldfish and Crucian Carp: Sexual Plasticity of the Brain in Fish".
- 2008, Oct 24. Invited Speaker: Dr. Longfei Huo, Department of Molecular & Cellular Oncology, U.T.M.D. Anderson Cancer Center, Houston, Texas, USA; Title of Presentationn: "RHA is a DNA Binding Partner for EGFR Transcriptional Activation in Nucleus".
- 2008, May 23. Invited Speaker: Prof Graham F. Wagner, Department of Physiology & Pharmacology, University of Western Ontario, Canada; Title of Presentation: "Stanniocalcin-1: Past, Present and Future Directions for the Fish Hormone".
- 2007, June 12. Invited Speaker: Prof. Declan Ali, Department of Biological Science, University of Albert, Canada; Title of Presentation: "Excitability Properties of Skeletal Muscle in Developing Zebrafish".
- 2007, June 12. Invited Speaker: Prof. John Philip Chang, Associate Chair, Department of Biological Science, University of Albert, Canada; Title of Presentation: "Differential Signaling in Neuroendocrine Control of Hormone Secretion and Synthesis in Goldfish".
- 2006, Oct 13. Invited Speaker: Prof. Richard E. Peter, Director, Bamfield Marine Sciences Centre, Bamfield, B.C., Canada; Title of Presentation: "Neuroendocrine Studies on Control of Food Intake in Fish".
- 2006, June 9. Invited Speaker: Dr. Chi-Kong Yeung, Max Planck Institute for Polymer Research, Mainz, Germany; Title of Presentation: "Novel Technique in Neuron Research: Microelectrode Array and Its Applications".

- 2005, Dec 2. Invited Speaker: Prof. Yufang Shi, Department of Molecular Genetics, Microbiology & Immunology, Robert Wood Johnson Medical School, New Jersey, USA; Title of Presentation: "Apoptosis and Immune Regulation".
- 2004, Dec 6 Invited Speaker: Prof. John Philip Chang, Department of Biological Science, University of Albert, Canada; Title of Presentation: "Mitochondria and Calcium Signaling in the Regulation of Growth Hormone Release".
- 2004, June 17 Invited Speaker: Dr. Junyi Lei, Department of Pathology, University of Rochester Medical Center, USA; Title of Presentation: "Two Birds, One Stone: TTF-1 Stain in Tumors of the Liver".
- 2004, June 6 Invited Speaker: Dr. Hong Lou, Laboratory of Developmental Neurobiology, National Institutes of health, USA; Title of Presentation: "Receptor Mediated Sorting and Activity-Dependent Secretion of BDNF".
- 2002, May 24 Invited Speaker: Prof. Ching-Fong Chang, Department of Aquaculture, National Taiwan Ocean University, Taiwan; Title of Presentation: "The Possible Sex Exchange Mechanism in the Protandrous Black Porgy: Steroids, Aromatase, Steroid Receptors, DMRT-1, and Gonadotropin".
- 2002, May 2 Invited Speaker: Dr Arron Xu, Field Research Scientist, Ciphergen Biosystems Inc., California, USA; Title of Presentation: "Applications of Ciphergen Protein Chip in Proteomics".
- 2002, June 3 Invited Speaker: Dr. James D. Johnson, NSERC & JDRF Fellow, Barnes-Jewish Hospital, Washington University Medical Center, St. Louis , MO, USA; Title of Presentation: "Multiple Calcium Stores Mediate Autocrine Insulin Signaling in Human Islet Cells".
- 2001, July 26 Invited Speaker: Dr Yang Dave Xu, Chief Scientist, Ciphergen Biosystems Inc., California, USA; Title of Presentation: "Protein Chip in Proteomics".
- 2001, Feb 22 Invited Speaker: Prof. Vance Trudeau, Department of Biology, University of Ottawa, Ottawa, Ontario, Canada; Title of Presentation: "Amino Acid Neurotransmitters in the Control of Pituitary Hormone Secretion".
- 2000, Nov 9 Invited Speaker: Dr. Phido K.W. Cheng, Department of Obs & Gyn, University of British Columbia, Vancouver, B.C., Canada; Title of Presentation: "Transcriptional Regulation of Human Gonadotropin-Releasing Hormone Receptor Gene Expression".
- 2000, Oct 23 Invited Speaker: Prof. Frederick W.Y. Tse, Department of Pharmacology, University of Albert, Edmonton, AB, Canada; Title of Presentation: "Differential Role of SNAPs in the Regulation of Exocytosis from Chromaffin Cells".
- 2000, Oct 3 Invited Speaker: Prof. Amy M. Tse, Department of Pharmacology, University of Albert, Edmonton, AB, Canada; Title of Presentation: "Control of Stress Hormone (ACTH) Secretion".

Administration & Communities Services

Administration & Services in HKU

- Departmental & Faculty Duties: - Chairman for oral defense (since 2018), Internal reviewer for Annual Performance Review & Development for junior staffs (since 2010), Radiation Safety Representative for School of Biological Sciences (since 2007), Member of School Safety Committee (since 2010), Radiation Safety Officer for Department of Zoology (1997 - 2007); Speaker for Annual Radiation Safety Induction Talk (since 2002); Supervisor of Gamma Radiation Lab (since 2000); Member of Departmental Research Postgraduate Committee (2003 - 2006; 2011-now), Member of School Accommodation Committee (2014-2015); Faculty Broad of Examiners (since 1996), Supervisor of SBS Aquarium Facilities (since 2002); and Committee for Dialogue with Secondary School Teachers on Development of Biological Science (2003 - 2006).
- External Reviewer for Faculty Peer Review of Teaching for Staff Promotion/Substantiation, Department of Obstetrics & Gynecology (Sept 11, 2018). (Invited by Dr Phillip Chiu, Department of Obstetrics & Gynecology)
- Chairman of Departmental Consultation Committee for Staff Tenure & Promotion (July 25, 2018) for staffs from Cell Biology & Molecular Biology Sections. (Duty appointed by the School Director Prof Kenneth Leung)
- Acting chief examiner for SBS for 2nd Chief Examiners' Meeting (June 22, 2018) at faculty level to finalize the dean honor list & degree honors for 2017-2018 academic year. (Substituted for Dr W.Y. Lui during her leave.)
- Coordinator in HKU for International Marine Biology Course (Sado Marine Biological Station, Niigata University, Japan). The summer program has started from 2017 and entered its second year. In 2018, four HKU students had received the funding support from Niigata University to participate in the course. (Invited by Prof Hironori Ando, Niigata University)
- Acting chair for Departmental Research Postgraduate Committee (July - Aug, 2018) for Prof R.M.K. Saunders during his summer leave.
- Coordinator & Reception for Annual Safety Inspection for Radiation Labs (March 29, 2018) in School of Biological Sciences by Radiation Board, Department of Health (HKSAR) for renewal of the licenses for gamma & beta isotope labs.
- Coordinator & Preparation of Internal Report for 2018 External Assessment of Postgraduate Program for Molecular & Cell Biology by the invited assessor Prof Victor May (University of Bermont, USA). (As a part of faculty review of RPG program in SBS, duty assigned by Prof Richard Saunders, the DRPC Chairman).

- Liaison & co-ordination with Dr V. Thiyagarajan for International Marine Biology Course (Sado Marine Biological Station, Niigata University, Japan). The summer program has started from 2017 on a yearly basis and with funding support from Niigata University for 1-2 HKU students to participate in the course. (Invited by Prof Hironori Ando)
- Member of Departmental Consultation Committee for Staff Promotion to Professor Grade (Sept, 2017). (Duty appointed by school director David Dudgeon)
- Member of Selection Panel of Teaching Awards for Teaching Excellence, Teaching Innovations in E-learning and Excellent Teaching Assistant (2017), Faculty of Science. (Duty appointed by the Dean Prof Matthew Evans)
- Reviewer for Peer Review for Teaching Performance for Dr Mingfu Wang, School of Biological Sciences. (Invited by Dr Mingfu Wang for his application for 2017 promotion)
- Internal reviewer for Annual Performance Review and Development (2016-2017 academic year) for junior staffs and full professor. (Duty appointed by the school director Prof David Dudgeon)
- Organizer & host for SBS Site Visit by Science Students of Lok Sin Tong Leung Chik Wai Memmorial School as a part of the promotion for STEM program in secondary school in Hong Kong (May 19, 2017).
- Member of SRA for Endocrinology & Cell Biology for ranking & recommendation of the shortlisted candidates for the positions of full professor, associate professor & assistant professor in School of Biological Sciences (May 15, 2017).
- Coordinator & Reception for Annual Safety Inspection for Radiation Labs (May 12, 2017) in School of Biological Sciences by Radiation Board, Department of Health (HKSAR) for renewal of the licenses for gamma & beta isotope labs.
- Internal reviewer for Annual Performance Review and Development (2015-2016 academic year) for junior staffs and full professor. (Duty appointed by the school director Prof David Dudgeon)
- Acting director for School of Biological Sciences (August 11-28, 2015) during the summer leave of the school director.
- Acting chair for Departmental Research Postgraduate Committee (Jun 26– Aug 30, 2015) for Prof R.M.K. Saunders during his summer leave.
- Ad hoc member of Advisory Panel for Selection of Director of School of Biological Sciences (Feb, 2015). (Appointed by Prof Kwok Sun, Dean of Science Faculty. Resigned due to medical reasons after confirming the plans for recruiting new director & appointment of interim director following the retirement of the current director Prof Rudolf Wu)
- Ad hoc member of Selection Committee for short-listing of applicants for the posts of associate/ assistant professor for Endocrinology division of the School of Biological Sciences (Feb, 2015). (Appointed by SBS director Prof Rudolf Wu)
- Appointed member of Accommodation Committee of School of Biological Sciences (Dec, 2014). (Duty appointed by school director Prof Rudolf Wu to replace Prof Fred C.C. Leung after his retirement.)
- Internal reviewer for Teaching Performance of junior staffs for contract renewal (2014-2015). (Duty appointed by the school director Prof Rudolf Wu)
- Acting director for School of Biological Sciences (Dec 5-10, 2014) during the special leave of the school director.
- Speaker for Radiation Safety Induction Talk for new postgraduate students, which was a part of the 2014 Induction Program for SBS RPg Students. (Duty appointed by the DRPC chairman Prof Richard Saunders)
- Internal reviewer for Annual Performance Review and Development (2013-2014) for junior staffs in School of Biological Sciences. (Duty appointed by the school director Prof Rudolf Wu)
- Acting director for School of Biological Sciences (July 28 –August 11, 2014) during the summer leave of the school director.
- Co-opted member for Departmental Consultation Committee on Tenure & Promotion in Endocrinology Division (July, 2014). (Appointed by SBS director Prof R.S.S. Wu)
- Coordinator working with HKU Safety Office to dispose the four internal radiation sources detached from old equipment of the School of Biological Sciences (May, 2014). (These radiation sources have been storing in the School for 5-7 years and the suppliers were not able to take them back for proper disposal for various reasons. With the support of the head of the Safety Office, we had managed to clear them once for all and remove a potential hazard in our school.)
- Acting chair for Departmental Research Postgraduate Committee (June & Aug, 2014) for Prof R.M.K. Saunders during his summer leave.
- Ad hoc member of Selection Committee for short-listing of applicants for the posts of associate/assistant professor for Endocrinology division of the School of Biological Sciences (April, 2014). (Appointed by SBS director Prof Rudolf Wu)
- Coordinator & Reception for Annual Safety Inspection for Radiation Labs (April 37, 2014) in School of Biological Sciences by Radiation Board, Department of Health (HKSAR) for renewal of the licenses for gamma & beta isotope labs.
- Ad hoc member of Selection Committee for short-listing of applicants for the posts of full professor & associate/assistant professor for Nutrition & Food Science Division of the School of Biological Sciences (June, 2013). (Appointed by SBS director Prof R.S.S. Wu)
- Academic advisor for new B.Sc. students for 2013-2014 & 2014-2015. (Duty appointed by the Faculty of Sciences)
- Acting chair for Departmental Research Postgraduate Committee (July-Aug , 2013) for Prof R.M.K. Saunders during his summer leave.
- Laboratory tour for Prof Cumming Duan during his visit and seminar presentation at HKU (June 6, 2013). Prof Duan was one of the shortlisted candidates for the position of chair professor in the School of Biological Sciences.
- Voting member of the University of Hong Kong Foundation for Educational Development and Research (2012-2015).
- Internal reviewer for substantiation/contract renewal of new staffs (Mar, 2013) in the School of Biological Sciences. (Appointed by Prof. Rudolf S. S. Wu, the director of School of Biological Sciences)

- Peer reviewer for teaching performance for new staffs (Mar, 2013) in the School of Biological Sciences. (Appointed by Prof. Rudolf S. S. Wu, the director of School of Biological Sciences)
- Internal reviewer for Specialized Research Fund for Doctoral Program of Higher Education and Research Grants Council Earmarked Research Grants Joint Research Scheme (Mar, 2013). (Appointed by Prof. Paul Tam, the Dean of Medical School)
- Coordinator & Reception for Annual Safety Inspection for Radiation Labs (Mar 7, 2013) in School of Biological Sciences by Radiation Board, Department of Health (HKSAR) for renewal of the licenses for gamma & beta isotope labs.
- Coordinator & Reception for the site visit of department radiation labs by Dr. John K. C. Leung (July 30, 2012), the new URPO of University Safety Office.
- Coordinator & Reception for Annual Safety Inspection for Radiation Labs (May 28, 2012) in School of Biological Sciences by Radiation Board, Department of Health (HKSAR) for renewal of the licenses for gamma & beta isotope labs.
- Ad hoc member of Selection Committee for short-listing of applicants for the posts of full professor, associate professor and assistant professor in the School of Biological Sciences (May, 2012). (Appointed by the school director Prof R.S.S. Wu)
- Reception & Guide for Site Visit by the delegation of academic staffs from universities & institutions of mainland China for "2011 年生物開發應用技術交流研討會" (Nov 25, 2011). The function was organized by the China Affairs Office.
- Coordinator & Reception for Annual Safety Inspection for Radiation Labs (July 27, 2011) by Radiation Board, Department of Health (HKSAR) for renewal of the licenses for beta & gamma isotope labs and supervised areas for handling & storing of radioisotopes/radiation sources in School of Biological Sciences.
- Chief examiner for School of Biological Sciences (June 2011), acting for Dr. Edmund T.S. Li during his summer leave.
- Acting chair for Departmental Research Postgraduate Committee (Aug, 2011; Aug 2012) for Prof R.M.K. Saunders during his summer leave.
- Appointed member for Faculty Research Committee (2010-2012) for reviewing & ranking of UDF grant application, research award, internal bid for Rpg studentship, and funding allocation for central research facility at the faculty level.
- Internal reviewer for Annual Performance Review and Development (2009-2012) for junior staffs and postdoctoral fellows. (Duty appointed by the school director Prof Rodulf Wu)
- Reception & Guide for Site Visit by the 14-member English-speaking delegation from University Kebansaan Malaysia (National University of Malaysia) (July 21, 2010). The function was arranged by the Faculty of Sciences to promote exchange of ideas with universities in the region for laboratory safety, management of museum, and research programs & facilities in science departments.
- Coordinator & Reception for Annual Safety Inspection for Radiation Labs (June 9, 2010) in School of Biological Sciences by Radiation Board, Department of Health (HKSAR) for renewal of the licenses for gamma & beta isotope labs.
- Speaker for the experience sharing session for grant application (Feb 8, 2010), internal program organized by department chair Prof Rudolf Wu for better preparation of RGC grant application by junior staffs from School of Biological Sciences.
- Departmental Representative for the reception & public lecture by Prof. Roger Y. Tsien (Nobel Laureate in Chemistry 2008) entitled "Turning Green into Gold by Harnessing Natural and Human Diversity", HKU Distinguished Lecture organized by the Faculty of Science (Dec 9, 2009).
- Mentoring of junior staffs in the department, including Dr. K.W.Y. Yuen (newly recruited Assistant Professor), Dr. W.Y. Lui (RAP recently promoted to Assistant Professor) and Dr. A.S.T. Wong (recently retitled to Associate Professor), on various aspects of teaching, lab management and/or grant application.
- Organizer & Reception for Site Visit & Inspection by Radiation Board, Medical & Health Department (June 15, 2009) for the renewal of Licenses for the 7 radioisotope lab in the School of Biological Sciences.
- Appointed Academic Assessor for HKU SPACE Community College (2008-2011), responsible for reviewing the course content and providing feedback on the teaching of Molecular Biology & Biochemistry. [Invited by Prof. K.F. Cheng, the college principal of HKU SPACE.]
- Reception & Guide for Site Visit by the 22-Executive Delegation of Tianjin University of Science and Technology, (July 24, 2007). The function was arranged by the China Affairs Office (HKU) to promote interactions and possible collaborations with the Universities in mainland China
- Elected Departmental Representative (2006) to serve on the Faculty Advisory Panel for the Selection of Department Head.
- Departmental Coordinator for Summer Science Institute (2006) and Supervisor of the Summer Research Program on "Polymerase Chain Reaction & Gene Expression Profiling". Functions organized by the Science Faculty to provide the secondary school students an opportunity to participate on scientific research at the university level.
- Reception & Guide for the Site Visit by the 21 Executives (including vice president & deans) of the Tianjin University of Science & Technology (July 21, 2006). Functions organized by the China Affairs Office (HKU) to promote collaborations & interactions with universities in China.
- Coordinator & Reception for the Site Inspection for Zoology Radiation Labs (June 7, 2006) by the Department of Medical & Health (HKSAR) for the renewal of Department's licenses for Gamma & Beta Isotope labs.
- Representative of Departmental Safety Committee (with Dr. B.L.L. Lim, Zoology Safety Officer) for Faculty Task force on UGC Review of Environmental Health & Safety Management at HKU (2005).

- Acting Head of Department of Zoology (2003-2004) and Acting Chair of Departmental Research Postgraduate Committee (2005-2006) for Dr. Edmund T.S. Li during the summer period.
- Reception & Co-ordinator for Site Visit & Inspection by Radiation Board, Medical & Health Department, HKSAR (June 24, 2004) for the renewal of Department's License for Radiation Laboratories.
- Reception & Guide for Site Visit by the 5-Member Delegation of Southwest University of Science and Technology, (Aug 11, 2003). The function was arranged by the China Affairs Office to promote interactions and possible collaborations with the Universities in mainland China.
- Preparation of 2002/2003 Large Item Bid Application for Zoology Department with Dr. W.W.M. Lee (Sept, 2002). [Equipment requested: PixCell IIe Laser Capture Microdissection System]. Money was granted by HKU Central in 2003. Also responsible for overseeing the process of installation and training of lab technicians for the system.
- Departmental Representative at the Faculty Level on Teaching & Learning Quality Process Review (Sept, 2001 - May, 2002). Preparation of the Report submitted to Graduate School Consultative Group for Rpg Education with Dr. D.L. Philip (Chemistry) for UGC Assessment of Quality of Teaching & Learning in HKU.
- Reception & Coordinator of Site Visit by Radiation Board, Radiation Health Unit of Department of Health, HKSAR (Mar 1, 2001). Our Gamma Radiation Lab was selected by HKU Safety Office as a Showcase for Government Inspection of Standard Operation & Facilities for Radiation Safety in HKU.
- Departmental Representative to serve as one of the judges for Bio-Olympics (2001). Prize Competition for secondary school biology students organized by the Biology Society (HKU Student Union).
- Reception & Guide for Site Visit by the 19-Member Delegation of Shenzhen Government (Oct 31, 2000). The function was arranged by External Relations Office to introduce High-tech & Well-equipped laboratories of HKU to higher officials & department heads of Shenzhen Government.
- Departmental Representative in the Task Force on Evaluating the Use of Vortex Scrubbing System in Fumehoods for the New Biological Sciences Building. Duties involved (i) site visits (Jan 13-15, 1997) to workshops of AEA Technology & Astec Environmental Ltd (UK), Culham Laboratory of the UK Atomic Energy Authority, and various labs in Bristol University (UK) to check the performance & feedback by end-users for the new system, and (ii) preparing the consultant report & recommendations to the faculty with Drs. D.J. Mabbot (Head of Safety Office) and M. MacGraw (Director of Estates Office).

Professional/Community Services in Hong Kong & China

- Chairman for plenary session for the 35th Annual Scientific Meeting (Basic Research) for the Hong Kong Society of Endocrinology, Metabolism & Reproduction (Nov 4, 2018, Hong Kong). (Invited by Dr C,B, Chan, Chairman of Organizing Committee for 2018 HKSER Annual Meeting).
- External Assessor for 2018-2019 FRG Research Grant Application of Hong Kong Baptist University, Hong Kong (Invited by Prof Rick W. K. Wong, Chair of HKBU Research Committee).
- External Reviewer for Multi-Year Research Grant Application (2018), University of Macau, Macau. (Invited by Prof Cindy Lam, Head of Research & Development Administration Office, University of Macau, Macau.)
- Reviewer nominated by HKU (2016) & enlisted in MOE expert database for Ministry of Education (MOE, 國家教育部), China (under Natural Science, 自然學科) for reviewing & assessing academic awards & grant applications. (Nominated by the Dean of Faculty of Sciences via the Associate Vice President (Research) Prof M. H. Sham.)
- Session chair for the Symposium on Recent Advances in Endocrine Research, 2015 Joint Meeting of the 7th Annual Meeting of the Asian Association of the Study of Diabetes and Annual Scientific Meeting of Hong Kong Society of Endocrinology, Metabolism & Reproduction (Nov 21-22, 2015), Hong Kong Convention & Exhibition Centre, Hong Kong. (Invited by Dr Carmen Mai, Program organizing committee)
- External Reviewer for Dr Lee Shau Kee Research Grant (2014), Hong Kong Baptist University, Hong Kong. [Invited by the office of Vice-President (Research & Development), Baptist University, Hong Kong.]
- External Reviewer for Multi-Year Research Grant Application (2014), University of Macau, Macau. [Invited by Prof Cindy Lam, Head of Research & Development Administration Office, University of Macau, Macau.]
- Session chair for the plenary lecture in 2013 Annual Scientific Meeting of the Hong Kong Society of Endocrinology, Metabolism and Reproduction (Nov 24, 2013), Hong Kong. (Invited by Dr J.C.N. Chiu, Program organizing committee)
- Council Member (2007-2010) for Hong Kong Society of Endocrinology, Metabolism & Reproduction. [Invited by Prof. W.S.B. Yeung, the president of HKSEMR; Position confirmed by general election of society members.]
- External Reviewer for Faculty Research Grant Application (2011), Invited by University Research Committee, Hong Kong Baptist University.
- Reviewer for RGC Grant, Invited by Hong Kong Research Grant Council, UGC, HKSAR (2005, 2007, 2009- 2011).
- External Assessor for FRG Research Grant of Hong Kong Baptist University, Hong Kong (2001 & 2002).
- Working with Dr. E.T.S. Li in assessing the proposals for Purchase of Large Items of Equipment (2006 & 2007) by CUHK (for Laser Capture Microdissection System, 2006 and Real-Time Imaging System, 2007) and HKPU (for Live Cell Confocal Imaging System, 2006). Tasks requested by Inter-Institutional Equipment Committee of UGC (HKSAR).

- Invited session chair for Symposium I - Aging: From Science to Clinic in International Symposium on Healthy Aging: A Global Challenge for the 21st Century (March 4-5, 2006). International conference organized by the Research Centre of Heart, Brain, Hormone & Healthy Aging, Li Ka Shing Faculty of Medicine (HKU).
- Chief Examiner, Question Co-setter, and Member of Moderation Committee appointed by the Hong Kong Examinations Authority (HKSAR) for Hong Kong Advanced Level Examination/Biology (1999-2005).
- Visiting Professor (2002-2005, 2006-2009), Zhongshan University, Guangzhou (China), as a team member of National 973 Basic Research Program (#.2004CB117402) for applied research in growth promotion in green grouper. [Invited by Prof. Hoa-Ren Lin, Head of the Key Laboratory for Aquatic Economic Animals]
- Consultant of Hong Kong Institute of Biotechnology (2005) for production of GMP-grade recombinant human growth hormone. [Invited by Dr. W.K.K. Ho, Director of HKIB & Former Chair of Biochemistry Dept, CUHK]
- Guest Professor (2002-2004), GuangDong Dayabay Fishery Development Center, GuangDong Province Oceanic & Aquatic Product Department (China) for consultant services & technical supports on mariculture of green groupers. [Invited by Dr. John Liuph, Vice-Director of Dayabay Fishery Development Center.]
- Consultant Services for Civil Engineering Department (Hong Kong) for the investigation of massive death of cultured fish in Ma Wan caused by dredging (2002). [Invited by Dr. D.K.O. Chan, Former Chair of Zoology Dept, HKU]
- External Examiner for M.Phil. & Ph.D. thesis defense in Chinese University of Hong Kong (since 2000), Hong Kong University of Science & Technology (since 2005), Hong Kong Baptist University (since 2007), Hong Kong Polytechnic University (since 2014), City University of Hong Kong (since 2015) & Monash University (Malaysia, since 2016).

Professional Services at the International Level

- Ad hoc reviewer for papers submitted to Journal of Neuroendocrinology(since 2000), General & Comparative Endocrinology (since 2003), Cell & Tissue Research (since 2002), Fish Physiology & Biochemistry (since 2001), Comparative Biochemistry & Physiology (since 2001), Experimental Biology & Medicine (since 2001), ACTA Zoologica Sinica (2003), Journal of Fish Biology (since 2006), Biology of Reproduction (since 2008), Endocrinology (since 2008), Peptides (since 2009), Journal of Endocrinology (since 2009), Journal of Molecular Endocrinology (since 2009), PLoS One-Biology (since 2009), Endocrine (since 2010), The Open Physiology Journal (2009-2014), Transgenic Research (since 2009), PLoS ONE (since 2011), ISRN-Endocrinology (2011-2014), Medicinal Chemistry Communications (2010), Biochimie (2011), Journal of Ocean University of China (2012), Scientifica (since 2012), Fisheries Science (since 2011), African Journal of Biotechnology (2011), Frontiers in Zoology (2011), American Journal of Physiology-Regulatory, Integrative & Comparative Physiology (since 2010), American Journal of Physiology-Endocrinology & Metabolism (since 2010), Journal of Ocean University of China (2012), Frontiers in Endocrinology (since 2011), Poultry Sciences (since 2012), Archives of Polish Fisheries (2012), Aquatic Biosystems (since 2012), British Biotechnology Journal (since 2014), Scientific Reports/Nature publishing group (since 2014), American Journal of Experimental Agriculture (since 2014), Annals of Thyroid Research (since 2014), International Journal of Molecular Sciences (since 2014), Gene (since 2014), Chinese Journal of Oceanology & Limnology (since 2014), Marine & Freshwater Behaviour & Physiology (since 2014), Journal of Interdisciplinary Medicine & Dental Science (since 2014), Austin Journal of Endocrinology & Diabetes (since 2014), Reproduction (since 2015), Frontiers in Neuroscience (since 2015), Scientific Reports (Nature Publishing group, since 2005), EC Anesthesia (Since 2015), Peer-J Journal (since 2015), Global Journal of Rare Diseases (since 2016), Austin Journal of Endocrinology & Diabetes (since 2017), Current Signal Transduction Therapy (since 2017), International Journal of Clinical Endocrinology & Metabolism (since 2017), Journal of Diabetes Research (since 2018), JoVE (since 2018), BBA-Molecular & Cell Biology of Lipids (since 2018), Aquatic Toxicology (Since 2018), Disease Markers (Since 2018),
- Session chair for symposium presentation, 2018 Internation Conference of Chinese Comparative Endocrinologists (July 1 - 3, 2018, Shanghai Ocean University, Shanghai). (Invited by Prof Lu Weiqun, Chairman of the organizing committee)
- Session chair for Oral Presentation Session (Basic Science) of the 38th Annual Meeting of the Hong Kong Society of Endocrinology, Metabolism & Reproduction (Nov 12, 2017, Hong Kong). (Invited by Dr Cheuk Lik Wong, Chairman of the organizing committee)
- Session chair for the Symposium on Signaling and Neuroendocrine Control, 18th International Congress of Comparative Endocrinology (June 4-9, 2017), Lake Louise, Alberta, Canada. [Invited by Prof John P. Chang, University of Alberta, Canada)
- Session chair for Plenary Lecture (Basic Research), 33rd Annual Scientific Meeting for Hong Kong Society of Endocrinology, Metabolism & Reproduction (Nov 20, 2016, Hong Kong). (Invited by Prof Joanne Lam, Chair of Organizing Committee.)
- Ad hoc reviewer for assessment & ranking of abstracts (under Neuroendocrinology section) submitted to ENDO2015 Annual Meeting of the Endocrine Society (USA) (San Diego, CA, March 5-8, 2015).
- Ad hoc Reviewer for NSERC Discovery Grant (2014) of Natural Sciences and Engineering Research Council of Canada. [NSERC Grant is one of the major National Research Grants provided by Canadian Government for Basic Research.] (invited by Prof Christina Bourdeau, Research Grants & Scholarships, Natural Sciences & Engineering Research Council of Canada)
- Invited reviewer for grant application submitted to Hungarian Scientific Research Fund (2014), which is a prestigious research grant supported by the Hungarian government. [Invited by Prof. Miklos Mezes, Chair of Agricultural Sciences Panel, OTKA Research Fund Program.]

- Session chair for Symposium on Invertebrate Endocrinology in the The 7th Intercongress Congress of Asian & Oceania Society of Comparative Endocrinology (March 18-22, 2014), National Taiwan Ocean University, Keelung, Taiwan.
- Member of Editorial Board for Austin Journal of Endocrinology & Diabetes (since 2013), an open access, peer-reviewed, scholarly journal of the Austin Journal series published by the Austin Publishing Group (Melbourne) with focus on recent advances in the areas of endocrinology & diabetes.
- Member of Editorial Board for Journal of Zoo Biology (since 2013), an open access peer-reviewed interdisciplinary journal of ESci Journals Publishing (www.eSciJournals.net) focusing on original reports and reviews on biodiversity, demographics, genetics, behavior, reproduction, nutrition, animal pathology, physiological, biochemical, molecular, ecological, genetic and economic aspects of animals.
- Member of Editorial Board for International Journal of Brain Science (since 2013), a peer-reviewed journal of Hindawi Publishing Corp. for rapid publication of research articles on neuroscience & neuroendocrinology.
- Session chair for the plenary lecture in the 7th Congress of the Asia and Oceania Society for Comparative Endocrinology (Mar 3-7, 2012), Kuala Lumpur, Malaysia.
- Member of Editorial Board for the Endocrinology section of the journal Scientifica (since 2012). The journal is a peer-reviewed & open access journal covering a wide range of disciplines in biological & medical sciences. (Invited by Dr. Rawan Makeen, Journal Developer, Hindawi Publishing Corporation)
- Ad hoc Reviewer for NSERC Discovery Grant (2011) of Natural Sciences and Engineering Research Council of Canada. [NSERC Grant is one of the major National Research Grants provided by Canadian Government for Basic Research.]
- Member of Editorial Board for Frontiers in Experimental Endocrinology (since 2011), a specialty section of the Frontiers Journal Series (www.frontier.org). [Original invitation as Associate Editor was declined for medical reason.] (Invited by Prof. Cumming Duan, Editor-in-Chief)
- Co-chair for Symposium session 2-5 "Neuroendocrinology & Pituitary" in BIT's 1st Annual World Congress of Endobolism-2011 (Jan 25-27, 2011), Xiamen, China.
- External Assessor (2010) for Tenure & Promotion Review in York University (Toronto, ON, Canada). [Invited by Dr. Scott P. Kelly, Chair of Tenure & Promotion Preparation Committee, Department of Biology, York University.]
- Member of Editorial Board for ISRN Endocrinology (since 2010), Hindawi Publishing Corp. The journal is a part of the publications by the International Scholarly Research Network.
- Invited Reviewer for Michigan Geriatrics Center Pilot Grants Program, University of Michigan (2010). The Research Grant Program was jointly supported by Claude Pepper Older Americans Independence Center, National Institute on Aging, Pepper Older Americans Independence Center, Nathan Shock Center of Excellence in Aging Research, and Michigan Institute for Clinical & Health Research.
- Session chair for oral presentations in the 6th Intercongress Symposium of the Asia and Oceania Society for Comparative Endocrinology (Jan 19-22, 2010), Massey University, Palmerston North, New Zealand.
- Guest Editor of General & Comparative Endocrinology (ISSN:0016-6480) for a special issue of the journal published in 2010 (vol.167, issue 3) covering the recent progress in hormone research on fish growth & reproduction. (Invited by Dr. Robert M. Dores, Editor-in-Chief, GCE, Elsevier)
- Member of Editorial Board (since 2007) for The Open Physiology Journal (ISSN:1874-3609), Bentham Science Publishers.
- Council Member (2009-2012) for the Asia and Oceania Society for Comparative Endocrinology, a branch of the International Federation of Comparative Endocrinological Societies. [Invited by Prof. F.C.C. Leung, the previous council member for HK in AOSCE, Position confirmed by general election of society members in Hong Kong.]
- Session Chair for oral presentations in the 16th International Congress of Comparative Endocrinology (June 22-26, 2009), University of Hong Kong, Hong Kong. International meeting organized by International Federation of Comparative Endocrinology.
- Session Chair for Symposium I - Aging: From Science to Clinic in International Symposium on Healthy Aging: A Global Challenge for the 21st Century (March 4-5, 2006). International conference organized by the Research Centre of Heart, Brain, Hormone & Healthy Aging, Li Ka Shing Faculty of Medicine (HKU).
- Invited Reviewer for E.W.R. Steacie Memorial Fellowship of Natural Sciences & Engineering Research Council of Canada (2002). [E.W.R. Steacie Fellowship (together with the grant support for proposed research) is one of the most prestigious and competitive scholarship programs provided by the Canadian Government in recognition of excellence in research.]
- Invited Reviewer for National NSERC Grant (2001) of Natural Sciences & Engineering Research Council of Canada. [NSERC Grant is one of the major National Research Grants provided by Canadian Government for Basic Research.]

Organization of Symposium/Training Workshop

- Member of Local Organizing Committee for the 9th International Symposium on Fish Endocrinology (Oct 9-12, 2020, Sun Yat-Sen University, Guangzhou, China) (Invited by Prof Haoran Lin, Sun Yat-Sen University)
- Member of Scientific Program Committee for 2018 International Symposium of Chinese Comparative Endocrinologists (July 1-3, 2018, Shanghai Ocean University, Shanghai, P.R. China) (Invited by Prof Yong Chu, East Carolina University)
- Member of Scientific Committee for the 34th Annual Scientific Meeting of Hong Kong Society of Endocrinology, Metabolism & Reproduction (Nov 12, 2017, Hong Kong). (Invited by Dr Cheuk Lik Wong, Chair of Organizing Committee)

- Organizer of Symposium (I) "Recent Advances in Fish Endocrinology: Story at the Hypothalamic, Pituitary, Gonadal and Behavioral Level" for the 8th Congress of Asia and Oceania Society for Comparative Endocrinology, Seoul, Korea (June 20 – 24, 2016). (Program invited by Prof Jae Young Seong, Korea University College of Medicine, Korea)
- Organizer of the Training Workshop for Protein:Protein Interaction using Isothermal Titration Calorimetry (Aug 23, 2013). Program sponsored by School of Biological Sciences (HKU) and GE Healthcare, Hong Kong.
- Organizer of the Symposium for "Novel Aspects of Signal Transduction in Endocrine Cells" in 17th International Congress of Comparative Endocrinology, Barcelona, Spain (July 15-19, 2013) (Invited by Prof. John P. Chang, University of Alberta, Canada)
- Organizer of the One-Day Training Workshop for Protein Purification (May 28, 2013). Program sponsored by School of Biological Sciences (HKU) and GE Healthcare, Hong Kong.
- Member of International Scientific Committee for the 7th International Symposium on Fish Endocrinology, IIB-INTECH Buenos Aires City, Argentina (Sept 3-6, 2012). (Invited by Prof. Gustavo Somoza, Laboratorio de Ictiofisologiay Acuicultura, Instituto de Investigaciones Biotecnologicas-Instituto Tecnologico de Chascomus , Argentina)
- Member of the International Organizing Committee for the 6th Intercongress Symposium of the Asia and Oceania Society for Comparative Endocrinology, Palmerston North, New Zealand (Jan 19-22, 2010). Program for Asia and Oceania Society for Comparative Endocrinology**.**
- Organizer for Training Workshop for Nucleofection: A Novel Technique for Gene Transfection in Primary Cell Cultures at University of Hong Kong (Nov 12, 2009). Program sponsored by School of Biological Sciences (HKU) and Amaxa Lonza Cologne AG, Germany.
- Organizer for the 2nd International Symposium for Fish Growth and Reproduction (June 20-21, 2009). A satellite meeting for the 16th International Congress of Comparative Endocrinology. Program invited by International Federation of Comparative Endocrinological Societies.
- Member of local organizing committee for the 16th International Congress of Comparative Endocrinology (June 22-26, 2009). Program invited by International Federation of Comparative Endocrinological Societies.
- Organizer for Training Workshop for Real-Time qPCR (July 5, 2008) at University of Hong Kong. Program invited by Hong Kong Society of Endocrinology, Metabolism and Reproduction and sponsored by the Gene Company Limited (HK) and Eppendorf Asia Pacific (HK).
- Organizer for the Symposium on Autocrine/Paracrine Control of Hormone Secretion and Function, a program in the 6th International Symposium of Fish Endocrinology (June 23 -26, 2008), University of Calgary, AB, Canada.
- Organizer for the 16th Annual Scientific Meeting (Nov, 2007) and 25th Annual General Meeting (Nov, 2007) for Hong Kong Society of Endocrinology, Metabolism and Reproduction.
- Organizer for the Undergraduate Symposium for Selected Topics of Animal Physiology (April 2-3, 2005) and One-Day Symposium for Selected Topics of Animal Physiology (March 23, 2002)" for undergraduate students in Department of Zoology (HKU).
- Organizer for the Training Workshop on Laser Capture Microdissection at University of Hong Kong (May 23, 2003) with the sponsorship of the Gene Company Limited (HK) and Department of Zoology (HKU).
- Arrangement of a 6-month loan of the ProteinChip BioMarker System from Ciphergen Biosystems, Inc. (USA) and organization of the Training Workshop on Application of Ciphergen ProteinChip in Proteomics at University of Hong Kong (May 2, 2002).

********** **The End** **********