

CURRICULUM VITAE

Billy Kwok-Chong CHOW



BIOGRAPHICAL DATA

Name: Billy Kwok-Chong Chow
Place of Birth: Hong Kong
Sex: Male
Birthday: Aug 17, 1961.
Citizenship: Canadian

EDUCATION

- a) Undergraduate:
B.Sc. Hon. (First Class), Physiology, University of British Columbia.
- b) Graduate:
Ph.D., Biochemistry, University of British Columbia, 1986-1991

WORKING AND RESEARCH EXPERIENCE

Current appointments:

School of Biological Sciences

July 2013 - now Professor, Chair of Endocrinology,
Jan 2017 - now RAE Champion, Research Division of Cell and Molecular Biology.
Sep 2017 - now Interim Director, Research Division of Cell and Molecular Biology.

Faculty of Science

Jan 2017 - now Associate Dean, Development and External Relations, Local.
Jan 2017 - now Chief Editor, Faculty Newsletter.
Dec 2017 - now Chairman, Steering Committee and 3 sub-committees, 80th
Anniversary Celebration 2019.

University of Hong Kong

June 2016 – now Vice-Chairman, Catering Committee.

Previous appointments:

Dec 2009 - Dec 2015 Master, Graduate House, University of Hong Kong
Dec 2006 - June 2013 Professor
July 1992 - Dec 2006 Assistant and Associate Professor

Research direction:

1. **Bioactive Peptides and G Protein-coupled Receptors: Class B GPCR peptides and receptors in**

Representative publications:

The FASEB Journal. 31(4): 1689-97; **Mol. Biol. Evol.** 32(8): 2048-59; **Proc Natl Acad Sci USA** 104(7): 2133-38; **Mol. Cell. Biology** 27(7): 2499-2511; **FASEB Journal.** 28(6): 2632-44; **FASEB Journal.** 28(8): 3494-505; **FASEB Journal.** 24(12): 5024-32).

2. Neuroendocrinology of Secretin:

Representative publications: *Proc Natl Acad Sci USA*. 106(37): 15961-66; *Neuropsychopharmacology*. 39(6): 1460-68; *Neuropsychopharmacology*. 36(2): 459-71; *J Neuroscience* 21(18): 7063-68).

ACADEMIC ACHIEVEMENTS

Title of Prize and Awards for research achievements, including prestigious titles and honours

- | | |
|---------|--|
| 2017 | Alumni Builder Award , University of British Columbia |
| 2010 | Research Output Prize , The University of Hong Kong. |
| 2007 | Akira Arimura Young Investigator Award: By the international VIP/PACAP society. In memory of Prof Arimura who founded this research area, I was awarded the first Akira Arimura young investigator award in 2007 in recognition of my contributions in understanding the pleiotropic activities of secretin in our body. |
| 2005 | Grace Pickford Medal: By the International Federation of Comparative Endocrine Societies (IFCE). This is the most prestigious award for comparative endocrinologists, given out once every 4 years in the international comparative endocrinology meeting. I am the first scientist from Hong Kong receiving this honor.
Outstanding Researcher Award , By The University of Hong Kong. |
| 2004 | Croucher Senior Research Fellow by Croucher Foundation. |
| 1995 | Travel award for young scientist, International congress Neuroscience. |
| 1992 | Medical Research Council, Canada, Postdoctoral Fellowship. Highly competitive as there were only 30 of these postdoctoral fellows given out in 1992 in Canada. |
| 1986-91 | Medical Research Council, Canada, Studentship. |
| 1989 | Special travel fund for young scientists (International Society on Thrombosis and Haemostasis). |
| 1986 | NSERC Summer Studentship, Canada. |
| 1983-85 | University of BC Scholarship, UBC. |
| 1983-84 | Quan Memorial Scholarship, UBC. |

Invited lectures:

- 1) **Invited speaker:** Global Environmental Leadership Programme 2017 “Effective Communications for Leaders” and “Genetic Engineering and the Environment” University of British Columbia, Vancouver, Canada.
- 2) **Invited speaker:** 22nd International Congress of Zoology 2016 Okinawa, Japan.
- 3) **Plenary Lecture:** 8th AOSCE Congress 2016 Molecular Evolution of PACAP family of peptides from invertebrates to vertebrates, Seoul, S Korea.
- 4) **Congress Opening and Plenary Lecture:** 12th International Symposium on VIP, PACAP and Related Peptides 2015 From the First Hormone Secretin to the Origin of PACAP/Glucagon Class B1 ligand/G Protein-Coupled Receptor in Cephalochordate, Cappadocia, Hungary.
- 5) **Invited Symposium speaker:** 20th International Symposium on Regulatory Peptides (REGPEP) 2014 Molecular Interaction of Mouse Secretin and Angiotensin II Receptors and their Potential Implications in Water Homeostasis, Kyoto, Japan.
- 6) **Invited Symposium speaker:** 27th Conference of European Comparative Endocrinologists (CECE) 2014 Structural and Functional Divergence of Growth Hormone-Releasing Hormone Receptors in Early Sarcopterygians, Rennes, France.
- 7) **Invited symposium lecture and session chair:**
- 8) **Invited symposium lecture:** 10th World Congress on Neurohypophysial Hormones 2013 The potential of secretin as neurohypophysial factor, Bristol, England.
- 9) **Invited Symposium speaker:** Cold Spring Harbor Asia Conferences – Metabolism, Obesity and Obesity-associated Diseases 2013 Lipolytic effect of secretin. Suzhou, China.
- 10) **Plenary lecture:** 7th International Huaxia Congress of Endocrinology 2012 The Central Actions of Secretin to Regulate Water Balance, Hong Kong.
- 11) **Plenary lecture:** 26th Conference of the European Comparative Endocrinologists (CECE) 2012 The Function Of Secretin In Regulating Water And Salt Balance In Our Body, Zürich.
- 12) **Invited symposium speaker:** The 8th International Congress of Comparative Physiology and Biochemistry (ICCPB2011) 2011 Analysis of VPAC and secretin receptors in vertebrates: its implications on molecular and functional evolution of the secretin receptor family, Nagoya, Japan.
- 13) **Invited symposium speaker:** BIT’s 1st Annual Congress of Endocrinology 2011 Secretin: a potential pituitary hormone, Xiamen, China.
- 14) **State-of-the-Art Lecture:** 7th International Congress of Neuroendocrinology 2010 Secretin: A putative neural and neurohypophysial factor regulating water homeostasis, Rouen, France.

- 15) **State-of-the-Art Lecture and session chair:** 9th International Symposium on VIP PACAP and Related Peptides, Satellite symposium 2009 Phylogenetic Aspects of Neuropeptides from Invertebrates to Humans, Yakushima, Japan.
- 16) **State-of-the-Art Lecture:** 16th International Congress of Comparative Endocrinology, 2009 Hong Kong, U.S.A.
- 17) **State-of-the-Art Lecture and session chair:** 24th Conference of European Endocrinologists 2008 Evolution of PACAP/VIP/GHRH peptides and receptors in vertebrates, Genova, Italy.
- 18) **Akira Arimura Young Investigator Award Lecture:** 8th International Symposium on VIP, PACAP and related Peptides 2007 Secretin: a potential neurosecretory factor regulating body water homeostasis, Vermont, U.S.A.
- 19) **Co-organizer and invited plenary lecture:** for international meeting of FAOBMB on the session 2007 Transcription and Metabolic Disease, Korea.
- 20) **Plenary lecture and Scientific Advisors Committee:** 7th International Symposium on VIP, PACAP and related Peptides 2005 A Putative Role of Secretin to Regulate Water Homeostasis, Rouen, France.
- 21) **Grace Pickford lecture:** 15th International Congress of Comparative Endocrinology 2005 The secretin/glucagon/VIP family of peptides in vertebrates, Boston, U.S.A.
- 22) **Invited lecture:** 2003 Regulation of Secretin and secretin receptor by genetic and epigenetic factors. Inserm, France.
- 23) **Plenary lecture:** for the 25th anniversary of the Societies for Reproduction, Endocrinology and Metabolism 2003 The Neuroactive roles of secretin in mammals. Hong Kong.
- 24) **Invited symposium speaker and session chair:** International symposium on amphibian and reptilian endocrinology and neurobiology (ISAREN) 2003 Jeju island, Korea.
- 25) **State-of-the-Art Lecture:** 21st Conference of European Endocrinologists 2002 Secretin as a Neuropeptide, Bonn, Germany.
- 26) **Invited speaker:** The 5th International Meeting on VIP/PACAP and related peptides, 2001.
- 27) **Session chair and invited keynote speaker:** 20th Conference of European Endocrinologists 2000 Evolution and functional roles of neuropeptides in vertebrates, Faro, Portugal.
- 28) **Invited visiting scientist and seminar presentation:** 1) University of British Columbia 1999. 2) South China Agricultural University 1999. 3) National Taiwan Ocean University 2001. 4) University of British Columbia.
- 29) **Keynote speaker:** Societies for Reproduction, Endocrinology and Metabolism 1997 Isolation and expression of the glucose-dependent polypeptide gene, Hong Kong.

External Research Grants obtained since joining the university

As the Principal Investigator:

Total number of GRF grant: 20	HKD 20,287,327
Croucher Senior Research Fellow: 1	HKD 668,520
CRF grant - group research project: 2	HKD 5,685,000
Research Output Prize (In Faculty):1	HKD 120,000
Outstanding researcher award: 1	HKD 250,000
CRCG grant : 30	HKD 2,002,890
HKU block grant: 4	HKD 420,000
HKU Science joint research grant: 1	HKD 80,000
Total funding	29.51 million

Details of Grants:

Principal Investigator:

GRF:

HKU 17127718 General Research Fund (GRF)	<u>Osmoregulatory Actions of Secretin in Excitatory and Inhibitory Neuronal Populations of the Subfornical Organ</u> Professor BKC Chow School of Biological Sciences	971,902	On-going
HKU 17112317 General Research Fund (GRF)	<u>Co-evolution of function and structure of PACAP with the hypothalamo-pituitary axis from invertebrates to vertebrates</u> Professor BKC Chow School of Biological Sciences	882,611	On-going
HKU 17127215 General Research Fund (GRF)	<u>Molecular Mechanisms Underlying the Progressive Development of Pulmonary Arterial Hypertension in Secretin Knockout Mice</u> Professor BKC Chow School of Biological Sciences	1,100,302	On-going
HKU 17112014 General Research Fund (GRF)	<u>Nuclear factor of activated T-cells 5 (NFAT5) plays a key role in regulating secretin and secretin receptor in the kidney for renal osmoprotection against osmotic stress</u> Professor BKC Chow School of Biological Sciences	940,955	Completed
HKU 17105514 General Research Fund (GRF)	<u>A role of secretin in fat uptake in enterocytes and breakdown in adipocytes</u> Professor BKC Chow School of Biological Sciences	696,939	Completed
HKU 765113M General Research Fund (GRF)	<u>Secretin in mouse cerebellar Purkinje cells is responsible for regulating motor coordination and learning</u> Professor BKC Chow School of Biological Sciences	1,385,652	Completed
HKU6/CRF/11G Collaborative Research Fund (CRF) - Group Research Project	<u>Strategic research of hormones and their receptors in the water homeostatic axis: from molecular mechanisms to anti-hypertensive drug design</u> Professor BKC Chow	5,625,000	Completed

	School of Biological Sciences		
HKU 764812M General Research Fund (GRF)	<u>The Concerted Actions of Secretin with Vasopressin in Salt Conservation</u> Professor BKC Chow School of Biological Sciences	1,348,250	Completed
HKU 765011M General Research Fund (GRF)	<u>The Mechanism of Central Secretin as a Dipsogen</u> Professor BKC Chow School of Biological Sciences	1,020,000	Completed
HKU 764510M General Research Fund (GRF)	<u>An Indispensable Role of Secretin in Mediating Effects of Angiotensin-II in the Brain</u> Professor BKC Chow School of Biological Sciences	1,183,200	Completed
HKU 763809M General Research Fund (GRF)	<u>The Potential Role of Secretin, A Postprandially Released Gut Hormone, in appetite control</u> Professor BKC Chow School of Biological Sciences	1,133,640	Completed
F-HK31/07T France/Hong Kong Joint Research Scheme - Travel Grants	<u>Discovery of novel growth hormone-releasing hormones in vertebrates: from functions to evolution</u> Professor BKC Chow School of Biological Sciences	48,350	Completed
HKU 763907M General Research Fund (GRF)	<u>Discovery of novel growth hormone-releasing hormone: from functions to evolution</u> Professor BKC Chow Dept of Zoology	1,570,480	Completed
HKU 7566/06M General Research Fund (GRF)	<u>A negative feedback loop involving bile acids and Small Heterodimer Partner in controlling secretin gene expression is a key to modulate bile release</u> Professor BKC Chow Dept of Zoology	1,282,500	Completed
HKU 7501/05M General Research Fund (GRF)	<u>Secretin: a putative neurosecretory hormone that regulates water homeostasis in the hypothalamus-pituitary-adrenal axis</u> Professor BKC Chow Dept of Zoology	1,721,828	Completed
HKU 7384/04M General Research Fund (GRF)	<u>A conditional knockout animal model for secretin</u> Professor BKC Chow Dept of Zoology	939,968	Completed
Croucher Senior Research Fellowships in Natural Sciences, Technology and Medicine	<u>Secretin as a neuropeptide</u> Professor BKC Chow Dept of Zoology	641,668	Completed
HKU 7219/02M General Research Fund (GRF)	<u>Secretin as a neuropeptide</u> Professor BKC Chow Dept of Zoology	1,786,000	Completed
F-HK 35/01T France/Hong Kong Joint Research Scheme - Travel Grants	<u>Functional and structural evolution of VIP and PACAP receptors in vertebrates</u> Professor BKC Chow Dept of Zoology	62,500	Completed
HKU 7181/99M General Research Fund (GRF)	<u>The concerted hypophysiotropic actions of GHRH and PACAP on the control of growth hormone release in goldfish, Carassius auratus</u> Professor BKC Chow Dept of Zoology	580,000	Completed

HKU 416/96M General Research Fund (GRF)	<u>Structure-function analysis and tissue specific expression of the human secretin receptor gene</u> Professor BKC Chow Dept of Zoology	761,000	Completed
HKU 309/93M General Research Fund (GRF)	<u>Molecular cloning of G-protein coupled receptor cDNAs from rat pancreatic islets</u> Professor BKC Chow Dept of Zoology	776,000	Completed

University internal grants:

Croucher Foundation - Conference / Seminars	<u>13th International Symposium on VIP, PACAP and related Peptides</u> Professor BKC Chow School of Biological Sciences	100,000	Completed
201711159238 Seed Funding Programme for Basic Research	<u>Exploring the role of secretin in modulating postnatal development of mouse cerebellar cortex</u> Professor BKC Chow School of Biological Sciences	79,320	On-going
201611159222 Seed Funding Programme for Basic Research	<u>Secretin as a key in regulation of cardiovascular nitric oxide synthase and aldosterone</u> Professor BKC Chow School of Biological Sciences	77,570	On-going
201511159110 Seed Funding Programme for Basic Research	<u>Function of transmembrane peptides of angiotensin and secretin receptors in regulation of vasopressin expression and release in the hypothalamus</u> Professor BKC Chow School of Biological Sciences	80,470	Completed
201310159033 Seed Funding Programme for Basic Research	<u>Long term Impact of secretin deficient condition on blood pressure and cardiac function</u> Professor BKC Chow School of Biological Sciences	83,800	Completed
20121159106 Seed Funding Programme for Basic Research	<u>Molecular and structural characterization of the N-terminal region of human secretin receptor</u> Professor BKC Chow School of Biological Sciences	67,300	Completed
201111159046 Seed Funding Programme for Basic Research	<u>The metabolic role of Secretin in regulating lipolysis</u> Professor BKC Chow School of Biological Sciences	95,500	Completed
Research Output Prize 2010 (In Faculty, HKU)	<u>To identify and recognize the best research outputs in different faculties</u> Professor BKC Chow School of Biological Sciences	120,000	Completed
201011159001 Seed Funding Programme for Basic Research	<u>Effects of Purkinje cell-specific secretin knockout on mouse behavior</u> Professor BKC Chow School of Biological Sciences	67,590	Completed
200911159096 Seed Funding Programme for Basic Research	<u>Modulation of secretin and secretin receptor gene expressions by angiotensin II in mouse hypothalamic cells.</u> Professor BKC Chow School of Biological Sciences	70,000	Completed

200811159048 Seed Funding Programme for Basic Research	<u>The overexpression of secretin and polycystic kidney disease</u> Professor BKC Chow School of Biological Sciences	70,000	Completed
200801166001 Run Run Shaw Research and Teaching Endowment Fund - Teaching Grants	<u>A unified on-line learning portal for Majors and Minors offered by the newly formed School of Biological Sciences</u> Professor BKC Chow School of Biological Sciences	100,000	Completed
200711159075 Seed Funding Programme for Basic Research	<u>Neuron-restrictive silencer factor (NRSF) regulates cell-specific expression of the human secretin receptor gene</u> Professor BKC Chow School of Biological Sciences	100,000	Completed
200703159008 Seed Funding Programme for Basic Research	<u>Water deprivation up-regulates secretin gene expression in the brain via the transcription factor ERRalpha</u> Professor BKC Chow Dept of Zoology	120,000	Completed
Small Project Funding	<u>Mapping of human secretin and its receptor gene expression in human cerebellum</u> Professor BKC Chow Zoology	25,000	Completed
Merit Award for RGC GRF Funded Projects	<u>A conditional knockout animal model for secretin</u> Professor BKC Chow Dept of Zoology	37,500	Completed
Small Project Funding	<u>Regulation of the human secretin receptor gene</u> Professor BKC Chow Dept of Zoology	43,500	Completed
200511159086 Seed Funding Programme for Basic Research	<u>Molecular Evolution of Growth Hormone Releasing Hormone and Its Receptor in non-mammalian species</u> Professor BKC Chow Dept of Zoology	120,000	Completed
Low Budget High Impact Programme	<u>Secretin as a neuropeptide</u> Professor BKC Chow Dept of Zoology	62,000	Completed
Low Budget High Impact Programme	<u>Comparative analysis of the VPAC2 receptors: functional evolution of VIP, PACAP and PHI in vertebrates</u> Professor BKC Chow Dept of Zoology	70,000	Completed
Seed Funding Programme for Applied Research	<u>Using cytosensor microphysiometry as a mean to screen functional GnRH agonists and antagonists</u> Professor BKC Chow Dept of Zoology	146,000	Completed
Seed Funding Programme for Basic Research	<u>Regulation of the human GnRH receptor gene expression by steroidogenic factor-1 and cAMP dependent signal transduction pathway</u> Professor BKC Chow Dept of Zoology	59,000	Completed
HKU 7209/98M RGC Fundable Grant	<u>Regulation of the human secretin receptor gene: differential display and promoter analysis</u> Professor BKC Chow Dept of Zoology	120,000	Completed

Seed Funding Programme for Basic Research	<u>Development of a recombinant vasoactive intestinal peptide (VIP) vaccine to boost the egg-laying performance of domestic geese</u> Professor BKC Chow Dept of Zoology	110,000	Completed
HKU 7224/97M RGC Fundable Grant	<u>Functional analysis of the human gonadotropin-releasing hormone receptor gene promoter</u> Professor BKC Chow Dept of Zoology	100,000	Completed
University Research Committee / Committee on Research and Conference Grants - General Award	<u>Molecular characterization of the goldfish glucagon and GLP-1 receptors</u> Professor BKC Chow Dept of Zoology	68,000	Completed
University Research Committee / Committee on Research and Conference Grants - General Award	<u>Development of a transgenic glucose-dependent insulinotropic polypeptide deficient mouse model</u> Professor BKC Chow Dept of Zoology	87,700	Completed
University Research Committee / Committee on Research and Conference Grants - General Award	<u>Development of a transgenic glucose-dependent insulinotropic polypeptide deficient mouse model</u> Professor BKC Chow Dept of Zoology	90,000	Completed
University Research Committee / Committee on Research and Conference Grants - General Award	<u>Molecular evolution of glucose-dependent insulinotropic polypeptide in vertebrates</u> Professor BKC Chow Dept of Zoology	85,000	Completed

Conference grants:

<u>201507170516</u> URC/CRCG - Conference Grants for Teaching Staff	<u>ReqPep2016</u> <u>Signaling modification by GPCR heteromer and its implication on X-linked nephrogenic diabetes insipidus</u> Professor BKC Chow School of Biological Sciences	16,500	Completed
<u>201407170071</u> URC/CRCG - Conference Grants for Teaching Staff	<u>20th International Symposium on Regulatory Peptides (REGPEP2014)</u> <u>MOLECULAR INTERACTION OF MOUSE SECRETIN AND ANGIOTENSIN II RECEPTORS AND THEIR POTENTIAL IMPLICATIONS IN WATER HOMEOSTASIS</u> Professor BKC Chow School of Biological Sciences	16,500	Completed
<u>201307170112</u> URC/CRCG - Conference Grants for Teaching Staff	<u>The 7th Asia and Oceania Society for the Comparative Endocrinology (AOSCE)</u> <u>Transmembrane peptides as unique tools to demonstrate the in vivo action of GPCR hetero-complex of secretin and angiotensin</u> Professor BKC Chow School of Biological Sciences	14,060	Completed
<u>201107170485</u>	<u>26th conference of European Comparative Endocrinologists</u>	16,500	Completed

URC/CRCG - Conference Grants for Teaching Staff	<u>The function of Secretin in regulating water and salt balance in our body</u> Professor BKC Chow School of Biological Sciences		
<u>201107170157</u> URC/CRCG - Conference Grants for Teaching Staff	<u>International Symposium on Comparative Endocrinology and Stress Physiology</u> <u>Molecular Evolution of Secretin, PACAP, VIP and Related Peptides in Vertebrates</u> Professor BKC Chow School of Biological Sciences	14,280	Completed
<u>200907170202</u> URC/CRCG - Conference Grants for Teaching Staff	<u>The 7th International Congress of Neuroendocrinology (ICN2010)</u> <u>An indispensable role of secretin in mediating the osmoregulatory functions of angiotensin II</u> Professor BKC Chow School of Biological Sciences	16,500	Completed
<u>200807170502</u> URC/CRCG - Conference Grants for Teaching Staff	<u>The 9th International Symposium on VIP, PACAP and Related Peptides</u> <u>Central Administration of Secretin Suppresses Food Intake in Mice</u> Professor BKC Chow School of Biological Sciences	16,500	Completed
URC/CRCG - Conference Grants for Teaching Staff	<u>International Symposium on Amphibian and Reptilian Endocrinology and Neurobiology (ISAREN)</u> <u>Identification and Characterization of a Glucagon Receptors from Frog and Goldfish: Implications for the Evolution of the Ligand Specificity of Glucagon Receptors in Vertebrates</u> Professor BKC Chow Dept of Zoology	12,000	Completed
URC/CRCG - Conference Grants for Teaching Staff	<u>21st Conference of European Comparative Endocrinologists</u> <u>Secretin as a Neuropeptide Aspartic Acid Scanning Mutation Analysis of a Goldfish Growth Hormone-Releasing Hormone (GHRH) Receptor Specific to the Ghrh-Salmon-Like Reptide</u> Professor BKC Chow Dept of Zoology	13,500	Completed
URC/CRCG - Conference Grants for Teaching Staff	<u>20th Conference of European Comparative Endocrinologists</u> <u>Identification of a Novel PHI Receptor in Goldfish: Implications on the Evolution of VIP/PACAP Receptors in Vertebrates</u> Professor BKC Chow Dept of Zoology	15,000	Completed
URC/CRCG - Conference Grants for Teaching Staff	<u>International Meeting on Signal Transduction Pathways and Regulation of Gene Expression as Therapeutic Targets</u> <u>Real-Time Analysis of the Activities of GnRH and GnRH Analogs in alpha T3-1 Cells by the Cytosensor Microphysiometer</u> Professor BKC Chow Dept of Zoology	13,100	Completed

200703170461 URC/CRCG - Conference Grants for Teaching Staff	<u>Nuclear Receptors: Orphan Brothers</u> <u>Regulation of secretin gene by an orphan nuclear receptor ERRα</u> Professor BKC Chow School of Biological Sciences	13,500	Completed
200703170076 URC/CRCG - Conference Grants for Teaching Staff	<u>9th European Congress of Endocrinology</u> <u>Function and Evolution of GHRH, PACAP and PRP in Vertebrates</u> Professor BKC Chow Dept of Zoology	13,000	Completed
URC/CRCG - Conference Grants for Teaching Staff	<u>The 15th International Congress of Comparative Endocrinology</u> <u>The Glucagon/VIP/PACAP Family of Peptides in Vertebrates</u> Professor BKC Chow Dept of Zoology	13,500	Completed

As a Co-Investigator

C4042-14G Collaborative Research Fund (CRF) - Group Research Project	<u>Marine Genomics: Crustacean Evolution and Aquaculture</u> Professor BKC Chow School of Biological Sciences	60,000	Completed
201409176142 Small Project Funding	<u>Combinational actions of enteroendocrine hormones on lipid uptake in enterocytes and adipocytes</u> Dr. R Sekar School of Biological Sciences	34,333	Completed
HKU 770212M General Research Fund (GRF)	<u>Secretin and secretin receptor as key regulators of cardiovascular functions</u> Dr TO Lee School of Biological Sciences	980,000	Completed
201109176070 Small Project Funding	<u>Deorphanization of Spexin receptor</u> Dr TO Lee School of Biological Sciences	73,600	Completed
201007176078 Small Project Funding	<u>Central osmoregulatory pathways mediating secretin's effect in body fluid homeostasis</u> Dr JYS Chu School of Biological Sciences	66,400	Completed
HKU 769609M General Research Fund (GRF)	<u>Implications of PACAP/VIP receptor gene duplications in early vertebrates</u> Dr TO Lee School of Biological Sciences	850,230	Completed
200811159084 Seed Funding Programme for Basic Research	<u>Interactions of secretin and orexin in controlling food intake</u> Dr TO Lee School of Biological Sciences	100,000	Completed
200807176088 Small Project Funding	<u>Identification of the first non-mammalian secretin and secretin receptor: functional evolution of this ligand- receptor pair in the transition process from aquatic to terrestrial life</u> Dr JYS Chu School of Biological Sciences	54,279	Completed
HKU 768608M General Research Fund (GRF)	<u>A role of secretin in the subfornical organ in sensing osmotic changes</u> Dr TO Lee School of Biological Sciences	1,372,474	Completed
200803159007 Seed Funding Programme for Basic Research	<u>Molecular evolution of PACAP and VIP receptors in agnathan: Searching for the ancestral PACAP/VIP receptor gene of vertebrates.</u>	120,000	Completed

	Dr TO Lee School of Biological Sciences		
HKU 777007M General Research Fund (GRF)	Mechansims involved in the induction of chromosome instability by the Epstein Barr virus encoded LMP1 protein. Professor GSW Tsao Dept of Anatomy	1,085,729	Completed
Small Project Funding	Transcriptional regulation of a nasopharyngeal carcinoma tumor suppressor: RASSF1A Dr TO Lee Zoology	35,000	Completed
HKU 2/02C Collaborative Research Fund (CRF) - Group Research Project	Understanding gene function and molecular bases of disease using transgenic and gene targeting technology Professor KSE Cheah Dept of Biochemistry	3,000,000	Completed

International Society Board Member, Journal Editor and Reviewer

International Society Council Membership:

International Regulatory Peptide Society

European Society of Comparative Endocrinology

International Committee on VIP, PACAP, and Related Peptides

The Asia and Oceania Society for the Comparative Endocrinology (AOSCE)

Symposium organizer

- 1) International Symposium on signal transduction, 2000, **treasurer**.
- 2) International Conference on Post-genomic era research, 2002, **treasurer**.
- 3) International meeting of FAOBMB on the session "Transcription and Metabolic Disease", Korea 2007, **Chairman**.
- 4) 13th International Symposium on VIP, PACAP and related Peptides; Hong Kong, 2017, **Chair of Organization Committee**.
- 5) RegPep2018, September 22-25, 2018, "Regulatory peptides: innovation and translation", **Committee Member**.

Editor or Senior Editor:

I) Journal of Neurochemistry

II) Peptides

III) General And Comparative Endocrinology

IV) Journal of Gastroenterology and Hepatology

V) Journal of Molecular Endocrinology (retired 2016)

VI) Frontier in Neuroendocrine Science (retired 2017)

Ad Hoc Grant reviewer:

Italian Government Grants Committee, Italy.

NIH, USA.

GRF, Hong Kong.

Ad Hoc Journal Reviewer:

Journal of Neuroscience, Endocrinology, Journal of Neuroendocrinology, Journal of Endocrinology, DNA Sequence, Genomics, American Journal of Physiology, Regulatory peptides, Peptides, Comparative Biochemistry and Physiology....etc.

PUBLICATIONS : Total 152 (last updated July 2018)

Cumulative journal impact factor and citation:

Impact factor was based on 5-year impact factor at the year of publication:

Career total paper: 152, impact factor: 607, citation: 4519.

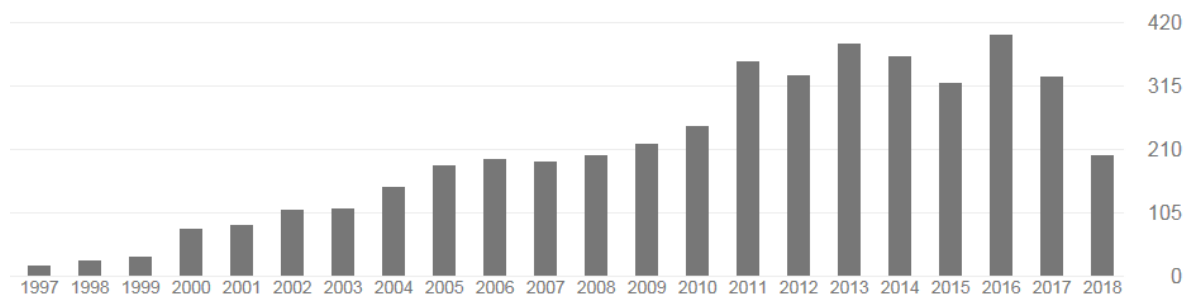
Average impact factor/paper: 4

Average citation/paper: 30

	Senior Author Papers:	First author Papers:	Co-Author Papers:
Career total	79 (52%)	9 (6%)	64 (42%)

H-Index: 37

Citation Distribution by year



Contributions:

First author or last author papers: my contribution is about 40-60%

Co-author papers: my contribution from 10-30 %.

Multiple authorship in my publications is the direct outcome of:

- 1) Multiple disciplinary nature of my research involving molecular biology, endocrinology, neuroscience and drug discovery.**
- 2) International (Canada, USA, France), National (CUHK, Nanjing, Guangzhou), University (IMB, Biochemistry, Anatomy, Physiology, Biomedical Sciences) and Departmental (AST Wong, CBC Chan, AOL Wong, SM Chan, BL Lim, G Panagiotou, LTO Lee) collaborative efforts. These collaborations are encouraged by the University and have been extremely fruitful in the past.**

Published Paper

2018

1. Impact factor:5.963; SJR: 2.285 (top 3.2% 1093 out of 34171);
J Wood, MCL Tse, X Yang, D Brobst, Z Liu, BPS Pang, WS Chan, AM Zaw, **BKC Chow**, K Ye, CW Lee, CB Chan 2018 BDNF mimetic alleviates body weight gain in obese mice by enhancing mitochondrial biogenesis in skeletal muscle. **Metabolism: Clinical and Experimental** (87) 113-122.
2. Impact factor: 2.45; SJR: 0.974 (top 13.3% 4531 out of 34171);
R Wang, **BKC Chow**, L Zhang 2018 Distribution and Functional Implication of Secretin in Multiple Brain Regions. **Journal of Molecular Neuroscience** 1-9.

2017

3. Impact factor: 4.3; Citation: 1; SJR: 2.298 (top 3.2% 1077 out of 34171);
L Wang, L Zhang, **BKC Chow** 2017 Secretin modulates the postnatal development of mouse cerebellar cortex via PKA- and ERK-dependent pathways. **Frontiers in Cellular Neuroscience** 11:382.
4. Impact factor: 3.39; Citation: 1; SJR: 1.59 (top 6.1% 2090 out of 34171);
T Zheng, Y Ni, J Li, **BKC Chow**, G Panagiotou 2017 Designing Dietary Recommendations Using System Level Interactomics Analysis and Network-Based Inference. **Frontiers in physiology** 8: 753.
5. Impact factor: 3.52; SJR: 1.79 (top 4.9% 1690 out of 34171);
Q Zhang, NE Madden, AST Wong, **BKC Chow**, LTO Lee 2017 The Role of Endocrine G Protein-Coupled Receptors in Ovarian Cancer Progression. **Frontiers in Endocrinology** 8: 66.
6. Impact factor: 1.18; Citation: 1; SJR: 0.827 (top 16.4% 5616 out of 34171);
AM Zaw, CM Williams, HKW Law, **BKC Chow** 2017 Minimally Invasive Transverse Aortic Constriction in Mice. **Journal of Visualized Experiments** 121: e55293.
7. Impact factor: 7.27; Citation: 1; SJR: 4. 435 (top 2.1% 719 out of 34171);
MCL Tse, O Herlea-Pana, D Brobst, X Yang, J Wood, X Hu, Z Liu, CW Lee, AM Zaw, **BKC Chow**, K Ye, CB Chan 2017 Tumor Necrosis Factor a Promotes Phosphoinositide 3-Kinase Enhancer A and Amp-Activated Protein Kinase Interaction to Suppress Lipid Oxidation in Skeletal Muscle. **Diabetes** 66(7): 1858-1870.
8. Impact factor: 4.02; Citation: 1; SJR: 1.699 (top 5.4% 1834 out of 34171);
Y Heshiki, T Dissanayake, T Zheng, K Kang, N Yueqiong, Z Xu, C Sarkar, PCY Woo, **BKC Chow**, D Baker, A Yan, CJ Webster, G Panagiotou, J Li 2017 Toward a

metagenomic understanding on the bacterial composition and resistome in Hong Kong banknotes. **Front. Microbiol** 8: 632.

9. Impact factor: 2.514; SJR: 1.325 (top 8.3% 2835 out of 34171);
M Hu, S Yuan, ZW Ye, K Singh, C Li, H Shuai, N Fai, **BKC Chow**, H Chu, BJ Zheng
2017 PAN substitutions A37S, A37S/I61T and A37S/V63I attenuate the replication of
H7N7 influenza A virus by impairing the polymerase and endonuclease activities.
Journal of General Virology 98(3): 364-73.
10. Impact factor: 0.55; Citation: 3; SJR: 0.242 (top 45.1% 15418 out of 34171);
AA Allam, SA Gabr, J Ajarem, AH Alghadir, R Sekar, **BKC Chow** 2017 Geno
Protective and Anti-Apoptotic Effect of Green Tea against Perinatal Lipopolysaccharide-
Exposure Induced Liver Toxicity in Rat Newborns. **African Journal of Traditional,
Complementary and Alternative medicines** 14(2): 166-176.
11. Impact factor: 5.595; Citation: 1; SJR: 2.438 (top 2.8% 970 out of 34171);
JJ Bai, **BKC Chow** 2017 Secretin is involved in sodium conservation through the renin-
angiotensin-aldosterone system. **FASEB Journal** 31(4): 1689-1697.
12. Impact factor: 3.52; Citation: 4; SJR: 1.79 (top 4.9% 1690 out of 34171);
R Sekar, L Wang, **BKC Chow** 2017 Central Control of Feeding Behavior by the
Secretin, PACAP, and Glucagon Family of Peptides. **Frontiers in Endocrinology** 8: 18.

2016

13. Impact factor: 2.81; Citation: 3; SJR: 1.201 (top 10.8% 3077 out of 28606);
DA Oren, Y Wei, L Skrabanek, **BKC Chow**, T Mommsen, S Mojsov 2016 Structural
Mapping and Functional Characterization of Zebrafish Class B G-Protein Coupled
Receptor (GPCR) with Dual Ligand Selectivity towards GLP-1 and Glucagon. **PloS one**
11(12): e0167718.
14. Impact factor: 4.27; Citation: 3; SJR: 2.026 (top 4.3% 1237 out of 28606);
S Yuan, H Chu, J Ye, K Singh, Z Ye, H Zhao, RYT Kao, **BKC Chow**, J Zhou, BJ Zheng
2016 Identification of a novel small-molecule compound targeting the influenza A virus
polymerase PB1-PB2 interface. **Antiviral Research** 137: 58-66.
15. Impact factor: 4.26; Citation: 3; SJR: 1.625 (top 6.5% 1871 out of 28606);
M Hu, H Chu, K Zhang, K Singh, C Li, S Yuan, **BKC Chow**, W Song, J Zhou, BJ
Zheng 2016 Amino acid substitutions V63I or A37S/I61T/V63I/V100A in the PA N-
terminal domain increase the virulence of H7N7 influenza A virus. **Scientific Reports** 6:
37800.
16. Impact factor: 2.86; Citation: 2; SJR: 0.809 (top 18.7% 5360 out of 28606);
K Singh, AM Zaw, R Sekar, A Palak, AA Allam, J Ajarem, **BKC Chow** 2016
Glycyrrhizic Acid Reduces Heart Rate and Blood Pressure by a Dual Mechanism.

Molecules 21(10): 1291.

17. Impact factor: 2.81; SJR: 1.201 (top 10.8% 3077 out of 28606);
HKH Ng, KG Harikumar, LJ Miller, **BKC Chow** 2016 Signaling Modification by GPCR Heteromer and Its Implication on X-Linked Nephrogenic Diabetes Insipidus. **PloS one** 11(9): e0163086.
18. Impact factor: 4.13; Citation: 3; SJR: 2.755 (top 2.4% 695 out of 28606);
KG Harikumar, ML Augustine, LTO Lee, **BKC Chow**, LJ Miller 2016 Structure and function of cross-class complexes of G protein-coupled secretin and angiotensin 1a receptors. **J Biol Chem** 291(33): 17332-17344.
19. Impact factor: 5.07; Citation: 6; SJR: 2.240 (top 3.6% 1044 out of 28606);
S Yuan, H Chu, K Zhang, J Ye, K Singh, RYT Kao, **BKC Chow**, J Zhou, BJ Zheng 2016 A novel small-molecule compound disrupts influenza A virus PB2 cap-binding and inhibits viral replication. **J Antimicrob Chemother** 71(9): 2489-97.
20. Impact factor: 5.02; SJR: 3.596 (top 1.6% 445 out of 28606);
OWH Chua, KKL Wong, BC Ko, SK Chung, **BKC Chow**, LTO Lee 2016 Role of nuclear factor of activated T-cells 5 in regulating hypertonic-mediated secretin receptor expression in kidney collecting duct cells. **BBA-GENE REGUL MECH** 1859(7): 922-932.
21. Impact factor: 3.61; Citation: 4; SJR: 1.649 (top 6.4% 1844 out of 28606);
JJ Bai, CD Tan, **BKC Chow** 2016 Secretin, at the Hub of Water-Salt Homeostasis. **AM J PHYSIOL-RENAL** 312(5): F852-F860.
22. Impact factor: 2.21; Citation: 3; SJR: 1.024 (top 13.8% 3938 out of 28606);
J Ajarem, NG Altoom, AA Allam, SN Maodaa, MA Abdel-Maksoud, **BKC Chow** 2016 Oral administration of potassium bromate induces neurobehavioral changes, alters cerebral neurotransmitters level and impairs brain tissue of swiss mice. **Behav Brain Funct** 12(1): 14.
23. Impact factor: 3.60; Citation: 2; SJR: 0.838 (top 18.0% 5137 out of 28606);
S Yuan, H Chu, J Ye, M Hu, K Singh, **BKC Chow**, J Zhou, BJ Zheng 2016 Peptide-mediated interference of PB2-eIF4G1 interaction inhibits influenza A viruses's replication in vitro and in vivo. **ACS Infect Dis** 2(7): 471-477.
24. Impact factor: 2.81; Citation: 4; SJR: 1.201 (top 10.8% 3077 out of 28606);
K Singh, V Senthil, AWR Arokiaraj, J Leprince, B Lefranc, D Vaudry, AA Allam, J Ajarem, **BKC Chow** 2016 Structure-Activity Relationship Studies of N- and C-Terminally Modified Secretin Analogs for the Human Secretin Receptor. **PLoS One** 11(3): e0149359.
25. Impact factor: 4.27; Citation: 14; SJR: 2.026 (top 4.3% 1237 out of 28606);
S Yuan, H Chu, H Zhao, K Zhang, K Singh, **BKC Chow**, RYT Kao, J Zhou, BJ Zheng 2016 Identification of a small-molecule inhibitor of influenza virus via disrupting the

subunits interaction of the viral polymerase. **Antiviral Res** 125: 34-42.

26. Impact factor: 4.26; Citation: 16; SJR: 1.625 (top 6.5% 1871 out of 28606);
S Yuan, H Chu, K Singh, H Zhao, K Zhang, RYT Kao, **BKC Chow**, J Zhou, BJ Zheng
2016 A novel small-molecule inhibitor of influenza A virus acts by suppressing PA
endonuclease activity of the viral polymerase. **Sci Rep** 6: 22880.

2015

27. Impact factor: 4.42; Citation: 16; SJR: 2.322 (top 3.5% 1057 out of 30373);
S Yuan, N Zhang, K Singh, H Shuai, H Chu, J Zhou, **BKC Chow**, BJ Zheng 2015
Cross-protection of influenza A virus infection by a DNA aptamer targeting the PA
endonuclease domain. **Antimicrob Agents Chemother** 59: 4082–4093.
28. Impact factor: 13.21; Citation: 5; SJR: 8.142 (top 0.4% 112 out of 30373);
JSW On, C Duan, **BKC Chow**, LTO Lee 2015 Functional pairing of class B1 ligand-
GPCR in cephalochordate provides evidence of the origin of PTH and PACAP/glucagon
receptor family. **Mol Biol Evol** 32(8): 2048-59.
29. Impact factor: 3.68; Citation: 6; SJR: 1.808 (top 5.5% 1681 out of 30373);
JSW On, **BKC Chow**, LTO Lee 2015 Evolution of parathyroid hormone receptor family
and their ligands in vertebrate. **Frontiers in Endocrinology (Lausanne)** 6(28): 1-6.
30. Impact factor: 3.68; Citation: 6; SJR: 1.808 (top 5.5% 1681 out of 30373);
HKH Ng, **BKC Chow** 2015 Oligomerization of family B GPCRs: exploration in inter-
family oligomer formation. **Frontiers in Endocrinology** 6(10): 1-5.

2014

31. Impact factor: 2.10; Citation: 5; SJR: 0.798 (top 18.3% 5611 out of 30663);
R Sekar, **BKC Chow** 2014 Role of secretin peptide family and their receptors in the
hypothalamic control of energy homeostasis. **Horm Metab Res** 45(13): 945-54.
32. Impact factor: 3.60; Citation: 5; SJR: 1.725 (top 5.8% 1771 out of 30663);
JKV Tam, LTO Lee, J Jin, **BKC Chow** 2014 MOLECULAR EVOLUTION OF GPCRS:
Secretin/secretin receptors. **Journal of Molecular Endocrinology** 52(3): T1-T14.
33. Impact factor: 3.68; Citation: 5; SJR: 1.411 (top 5.5% 1681 out of 30663);
L Zhang, **BKC Chow** 2014 The central mechanisms of secretin in regulating multiple
behaviors. **Frontiers in Endocrinology** 5: 77.
34. Impact factor: 5.04; Citation: 8; SJR: 2.993 (top 2.1% 658 out of 30663);
R Sekar, **BKC Chow** 2014 Secretin receptor-knockout mice are resistant to high-fat
diet-induced obesity and exhibit impaired interstitial lipid absorption. **FASEB Journal**
28(8): 3494-3505.

35. Impact factor: 12.80; Citation: 37; SJR: 6.639 (top 0.6% 171 out of 30663);
S Glaser, F Meng, Y Han, P Onori, **BKC Chow**, H Francis, J Venter, K McDaniel, M Marzioni, P Invernizzi, Y Ueno, J Lai, L Huang, H Standeford, D Alvaro, E Gaudio, A Franchitto, G Alpini 2014 Secretin Stimulates Biliary Cell Proliferation by Regulating Expression of MicroRNA 125b and MicroRNA let7a in Mice. **Gastroenterology** 146(7): 1795-1808.
36. Impact factor: 4.40; Citation: 9; SJR: 2.514 (top 2.9% 895 out of 30663);
R Sekar, **BKC Chow** 2014 Lipolytic actions of secretin in mouse adipocytes. **Journal of Lipid Research** 55(2): 190-200.
37. Impact factor: 5.04; Citation: 21; SJR: 2.993 (top 2.1% 658 out of 30663);
LTO Lee, SYL Ng, JYS Chu, R Sekar, KG Harikumar, LJ Miller, **BKC Chow** 2014 Transmembrane peptides as unique tools to demonstrate the in vivo action of a cross-class GPCR heterocomplex. **FASEB Journal** 28(6): 2632-2644.
38. Impact factor: 4.20; Citation: 6; SJR: 2.211 (top 3.7% 1140 out of 30663);
T Seaborn, A Ravni, R Au, **BKC Chow**, A Fournier, O Wurtz, H Vaudry, LE Eiden, D Vaudry 2014 Induction of serpinb1a by PACAP or NGF is required for PC12 cells survival after serum withdrawal. **J Neurochem** 131(1): 21-32.
39. Impact factor: 2.30; SJR: 0.707 (top 20.8% 6383 out of 30663);
V Senthil, J Leprince, D Vaudry, **BKC Chow** 2014 Fluorescence resonance energy transfer competitive binding assay for secretin receptor (Class B-GPCR). **J Pharm Pharmacol** 66(2): 295-303.

2013

40. Impact factor: 8.70; Citation: 18; SJR: 5.200 (top 0.8% 251 out of 30390);
L Zhang, SK Chung, **BKC Chow** 2013 The Knockout of Secretin in Cerebellar Purkinje Cells Impairs Mouse Motor Coordination and Motor Learning. **Neuropsychopharmacology** 39(6): 1460-1468.
41. Impact factor: 3.73; Citation: 2; SJR: 1.740 (top 5.7% 1739 out of 30390);
JKV Tam, **BKC Chow**, LTO Lee 2013 Structural and Functional Divergence of Growth Hormone-Releasing Hormone Receptors in Early Sarcopterygians: Lungfish and Xenopus. **PLoS One** 8(1): e53482.
42. Impact factor: 2.60; Citation: 1; SJR: 1.548 (top 7.1% 2148 out of 30390);
CW Ma, CH Lai, **BKC Chow**, DK Shum, YS Chan 2013 Topography of Inferior Olivary Neurons that Encode Canal and Otolith Inputs. **Cerebellum** 12(3): 322-324.
43. Impact factor: 3.73; Citation: 12; SJR: 1.740 (top 5.7% 1739 out of 30390);
JYS Chu, CYC Cheng, R Sekar, **BKC Chow** 2013 Vagal Afferent Mediates the Anorectic Effect of Peripheral Secretin. **PLoS One** 8(5): e64859.

44. Impact factor: 3.68; Citation: 10; SJR: 0.990 (top 13.9% 4238 out of 30390);
SYL Ng, LTO Lee, **BKC Chow** 2013 Receptor oligomerization: from early evidence to current understanding in class B GPCRs. **Frontiers in endocrinology** 3: 175P1-11.

2012

45. Impact factor: 5.50; Citation: 2; SJR: 3.325 (top 1.6% 486 out of 29775);
Y Yuan, **BKC Chow**, VHY Lee, LTO Lee 2012 Neuron-restrictive silencer factor functions to suppress Sp1-mediated transactivation of human secretin receptor gene. **BBA-GENE REGUL MECH** 1829(2): 231-238.
46. Impact factor: 2.28; Citation: 11; SJR: 1.062 (top 12.3% 3672 out of 29775);
R Sekar, **BKC Chow** 2012 Metabolic effects of secretin. **Gen Comp Endocr** 181: 18-24.
47. Impact factor: 3.61; SJR: 1.947 (top 4.6% 1362 out of 29775);
XF Wang, H Ye, CJ Ward, JYS Chu, TV Masyuk, NF LaRusso, PC Harris, **BKC Chow**, VE Torres 2012 Insignificant effect of secretin in rodent models of polycystic kidney and liver disease. **Am J Physiol-Renal** 303(7): F1089-F1098.
48. Impact factor: 3.73; Citation: 19; SJR: 1.945 (top 4.6% 1366 out of 29775);
SYL Ng, **BKC Chow**, M Kasahara, J Kasamatsu, LTO Lee 2012 Agnathan VIP, PACAP and their receptors: ancestral origins of today's highly diversified forms. **PLoS One** 7(9): e44691.
49. Impact factor: 3.73; Citation: 7; SJR: 1.945 (top 4.6% 1366 out of 29775);
VHY Lee, IPY Lam, HSC Choi, **BKC Chow**, LTO Lee 2012 The Estrogen-Related Receptor alpha up regulates secretin expressions in response to hypertonicity and angiotensin II stimulation. **PLoS One** 7(6): e39913.

2011

50. Impact factor: 7.99; Citation: 44; SJR: 4.093 (top 1.1% 325 out of 28425);
CYY Cheng, JYS Chu, **BKC Chow** 2011 Central and peripheral administration of secretin inhibits food intake in mice through the activation of the melanocortin system. **Neuropsychopharmacology** 36(2): 459-471.
51. Impact factor: 6.61; Citation: 27; SJR: 2.597 (top 2.7% 759 out of 28425);
JYS Chu, CYY Cheng, VHY Lee, YS Chan, **BKC Chow** 2011 Secretin and body fluid homeostasis. **Kidney International** 79(3): 280-287.
52. Impact factor: 4.09; Citation: 16; SJR: 2.369 (top 3.1% 890 out of 28425);
JKV Tam, KW Lau, LTO Lee, JYS Chu, KM Ng, A Fournier, H Vaudry, **BKC Chow** 2011 Origin of secretin receptor precedes the advent of tetrapoda: Evidence on the

- separated origins of secretin and orexin. **PLoS One** 6(4): e19384.
53. Impact factor: 3.27; Citation: 13; SJR: 1.262 (top 9.5% 2712 out of 28425);
JKV Tam, LTO Lee, CHK Cheng, **BKC Chow** 2011 Discovery of a new reproductive hormone in teleosts: Pituitary adenylate cyclase-activating polypeptide-related peptide (PRP). **Gen Comp Endocr** 173: 405-410.
54. Impact factor: 3.27; Citation: 57; SJR: 1.262 (top 9.5% 2712 out of 28425);
KKY Wong, SYL Ng, LTO Lee, HKH Ng, **BKC Chow** 2011 Orexins and their receptors from fish to mammals: A comparative approach. **Gen Comp Endocr** 171: 124-130.
55. Impact factor: 3.16; Citation: 7; SJR: 1.533 (top 6.9% 1974 out of 28425);
Y Yuan, LTO Lee, SSM Ng, **BKC Chow** 2011 Extragastrintestinal functions and transcriptional regulation of secretin and secretin receptors. **Ann NY Acad Sci** 1220: 23–33.
56. Impact factor: 5.23; Citation: 45; SJR: 2.869 (top 2.2% 626 out of 28425);
H Yao, SSM Ng, LF Huo, **BKC Chow**, Z Shen , M Yang , J Sze , O Ko , M Li, A Yue, LW Lu, XW Bian, HF Kung, MC Lin 2011 Effective Melanoma Immunotherapy with Interleukin-2 Delivered by a Novel Polymeric Nanoparticle. **Mol Cancer Ther** 10(6): 1082-1092.
57. Impact factor: 3.21; Citation: 56; SJR: 1.233 (top 9.9% 2823 out of 28425);
F Yu, SSM Ng, **BKC Chow**, J Sze, G Lu, WS Poon , HF Kung, MCM Lin 2011 Knockdown of interferon-induced transmembrane protein 1(IFITM1) inhibits proliferation, migration, and invasion of glioma cells. **J Neuro-Oncol** 103(2): 187-195.

2010

58. Impact factor: 6.62; Citation: 29; SJR: 3.414 (top 1.5% 415 out of 26965);
VHY Lee, LTO Lee, JYS Chu, IPY Lam, FKY Siu, H Vaudry, **BKC Chow** 2010 An indispensable role of secretin in mediating the osmoregulatory functions of angiotensin II. **FASEB Journal** 24(12): 5024-5032.
59. Impact factor: 10.89; Citation: 57; SJR: 4.733 (top 0.9% 246 out of 26965);
G Glasser, IPY Lam, E Gaudio, **BKC Chow**, P Onori, A Franchitto, G Carpino, J Venter, H Francis, R Mancinelli, S Kopriva, G Alpini 2010 Knockout of secretin receptors reduces large cholangiocyte hyperplasia in mice with extrahepatic cholestasis induced by bile duct ligation. **Hepatology** 52(1): 204-214.
60. Impact factor: 4.94; Citation: 23; SJR: 2.174 (top 3.6% 964 out of 26965);
X An, SSM Ng, D Xie, YX Zeng, J Sze, Jide Wang, YC Chen, **BKC Chow**, Gang Lu, WS Poon, HF Kung, BCY Wong, MCM Lin 2010 Functional characterisation of cell cycle-related kinase (CCRK) in colorectal cancer carcinogenesis. **Eur J Cancer** 46: 1752–1761.

61. Impact factor: 2.27; Citation: 6; SJR: 1.298 (top 9.0% 2438 out of 26965);
RLC Hoo, JYS Chu, PY Yuan, CM Yeung, KYY Chan, **BKC Chow** 2010 Functional Identification of an Intronic Promoter of the Human Glucose-Dependent Insulinotropic Polypeptide Gene. **Gene** 463(1-2): 29-40.
62. Impact factor: 2.85; Citation: 12; SJR: 1.321 (top 8.8% 2364 out of 26965);
SY L Ng, LTO Lee, **BKC Chow** 2010 Insights into the evolution of proglucagon-derived peptides and receptors in fish and amphibians. **Ann NY Acad Sci** 1200: 15-32.

2009

63. Impact factor: 17.00; Citation: 674; SJR: 9.217 (top 0.3% 76 out of 25132);
D Vaudry, A Falluel-Morel, S Bourgault, M Basille, D Burel, O Wurtz, A Fournier, **BKC Chow**, H Hashimoto, L Galas, H Vaudry 2009 Pituitary Adenylate Cyclase-Activating Polypeptide and Its Receptors: 20 Years after the Discovery. **Pharmacol Rev** 61(3): 283-357.
64. Impact factor: 9.43; Citation: 51; SJR: 6.913 (top 0.5% 114 out of 25132);
JYS Chu, LTO Lee, CH Lai, H Vaudry, YS Chan, WH Yung, **BKC Chow** 2009 Secretin as a neurohypophysial factor regulating body water homeostasis. **Proc Natl Acad Sci USA** 106(37): 15961-15966.
65. Impact factor: 7.37; Citation: 90; SJR: 3.359 (top 1.5% 383 out of 25132);
H Yao, SSM Ng, WO Tucker, YKT Tsang, K Man, XM Wang, **BKC Chow**, HF Kung, GP Tang, MC Lin 2009 The gene transfection efficiency of a Folate-PE1600-Cyclodextrin nanopolymer. **Biomaterials** 30: 5793-5803.
66. Impact factor: 3.26; Citation: 9; SJR: 1.862 (top 2.7% 685 out of 25132);
IPY Lam, LTO Lee, HS Choi, G Alpini, **BKC Chow** 2009 Bile Acids Inhibit Duodenal Secretin Expression via Orphan Nuclear Receptor Small Heterodimer Partner (SHP). **Am J Physiol – Gastr L** 297: G90-G97.
67. Impact factor: 3.22; Citation: 34; SJR: 1.506 (top 7.5% 1873 out of 25132);
CYY Cheng, JYS Chu, **BKC Chow** 2009 Vasopressin-independent mechanisms in controlling water homeostasis. **J Mol Endocrinol** 43: 81-92.
68. Impact factor: 2.67; Citation: 9; SJR: 1.170 (top 10.9% 2746 out of 25132);
LTO Lee, JKV Tam, DW Chan, **BKC Chow** 2009 Molecular cloning and mRNA distribution of pituitary adenylate cyclase-activating polypeptide (PACAP)/PACAP-related peptide in the lungfish. **Ann NY Acad Sci** 1163: 209-214.
69. Impact factor: 2.42; Citation: 10; SJR: 1.463 (top 7.5% 1895 out of 25132);
VHY Lee, **BKC Chow**, KW Lo, LSN Chow, C Man, SW Tsao, LTO Lee 2009 Regulation of RASSF1A in nasopharyngeal cells and its response to UV irradiation. **Gene** 443: 55-63.

70. Impact factor: 2.09; Citation: 3; SJR: (top 18.7% 4692 out of 25132);
WS Au, LW Lu, S Tam, OKH Ko, **BKC Chow**, ML He, SSM Ng, CM Yeung, CC Liu,
HF Kung, MC Lin 2009 Pluronic L-81 ameliorates diabetic symptoms in db/db mice
through transcriptional regulation of microsomal triglyceride transfer protein. **World J
Gastroentero** 15(24): 2987-2994.

2008

71. Impact factor: 4.17; Citation: 30; SJR: 2.882 (top 2.1% 503 out of 23580);
FKY Siu, LTO Lee, **BKC Chow** 2008 Southwestern blotting in investigating
transcriptional regulation. **Nature Protocol** 3: 51-58.
72. Impact factor: 4.94; Citation: 35;
IPY Lam, FKY Siu, JYS Chu, **BKC Chow** 2008 Multiple actions of secretin in the
human body. **Int Rev Cytol** 265: 159-190.
73. Impact factor: 3.14; SJR: 2.048 (top 4.2% 983 out of 23580);
BKC Chow 2008 Gonadotropin-releasing hormone. **Febs J** 275(22): 5457.
74. Impact factor: 3.14; Citation: 43; SJR: 2.048 (top 4.2% 983 out of 23580);
VHY Lee, LTO Lee, **BKC Chow** 2008 Gonadotropin-releasing hormone: regulation of
the GnRH gene. **Febs J** 275(22): 5458-5478.
75. Impact factor: 2.06; Citation: 6; SJR: 1.009 (top 13.7% 3232 out of 23580);
LTO Lee, IPY Lam, **BKC Chow** 2008 A functional variable number of tandem repeats is
located at the 5' flanking region of the human secretin gene plays a down regulatory role
in expression. **J Mol Neurosci** 36(1-3): 125-131.

2007

76. Impact factor: 6.40; Citation: 43; SJR: 4.457 (top 0.3% 76 out of 21945);
C Man, J Rosa, LTO Lee, VHY Lee, **BKC Chow**, KW Lo, S Doxsey, ZG Wu, YL
Kwong, DY Jin, ALM Cheung, SW Tsao 2007 Latent membrane protein 1 suppresses
RASSF1A expression, disrupts microtubule structures and induces chromosomal
aberrations in human epithelial cells. **Oncogene** 26(21): 3069-3080.
77. Impact factor: 0.30; SJR: 0.184 (top 53.5% 11747 out of 21945);
H Tostivint, **BKC Chow**, H Vaudry 2007 La GHRH et le PACAP font route separement
depuis plus longtemps qu'on ne l'imaginait MS. **M S-Med. Sci.** 23(11): 1023-1025.
78. Impact factor: 9.60; Citation: 89; SJR: 6.766 (top 0.5% 108 out of 21945);
LTO Lee, FKY Siu, JKV Tam, ITY Lau, AOL Wong, MCM Lin, H Vaudry, **BKC Chow**
2007 Discovery of growth hormone-releasing hormones (GHRH) and receptors in non-
mammalian vertebrates. **Proc Natl Acad Sci USA** 104(7): 2133-2138.

79. Impact factor: 6.42; Citation: 65; SJR: 6.589 (top 0.5% 115 out of 21945);
 JYS Chu, SCK Chung, AKM Lam, S Tam, SK Chung, **BKC Chow** 2007 Phenotypes developed in secretin receptor-null mice indicated a role for secretin in regulating renal water reabsorption. **Mol Cell Biol** 27(7): 2499-2511.
80. Impact factor: 3.68; Citation: 29; SJR: 2.465 (top 2.9% 643 out of 21945);
 SSN Ho, **BKC Chow**, WH Yung 2007 Serotonin increases the excitability of the hypothalamic paraventricular nucleus magnocellular neurons. **Eur J Neurosci** 25: 2991-3000.
81. Impact factor: 3.40; Citation: 15; SJR: 2.041 (top 4.2% 923 out of 21945);
 RLC Hoo, KYY Chan, FKY Leung, LTO Lee, PCK Leung, **BKC Chow** 2007 Involvement of NF-kappa B Subunit p65 and Retinoic Acid Receptors RAR alpha and RXR alpha in the Transcriptional Regulation of the Human GnRH II Gene. **FEBS J** 274: 2695-2706.
82. Impact factor: 2.37; Citation: 32; SJR: 0.896 (top 16.1% 3534 out of 21945);
 JKV Tam, LTO Lee, **BKC Chow** 2007 PACAP-Related Peptide-Molecular Evolution and Potential Function. **Peptides** 28: 1920-1929.

2006

83. Impact factor: 6.44; Citation: 28; SJR: 2.108 (top 3.9% 795 out of 20281);
 J Guillemot, Y Anouar, M M Hadjadje, E Grouzmann, L Grumolato, J R Salgado, V Turquier, C Duparc, H Lefebvre, P F Plouin, M Klein, M Muresan, **BKC Chow**, H Vaudry, L Yon 2006 Circulating EM66 is a highly sensitive marker for the diagnosis and follow-up of pheochromocytoma. **Int J Cancer** 118: 2003-2012.
84. Impact factor: 5.60; Citation: 148; SJR: 3.472 (top 1.5% 306 out of 20281);
 JN Zhu, WH Yung, **BKC Chow**, YS Chan, JJ Wang 2006 The cerebellar-hypothalamic circuits: Potential pathways underlying cerebellar involvement in somatic-visceral integration. **Brain Res Rev** 52(1): 93-106.
85. Impact factor: 2.44; Citation: 26; SJR: 0.963 (top 14.6% 2951 out of 20281);
 FKY Siu, IPY Lam, JYS Chu, **BKC Chow** 2006 Signaling mechanisms of secretin receptor. **Regul Peptides** 137: 95-104.
86. Impact factor: 5.21; SJR: 0.373 (top 35.7% 7238 out of 20281);
 JYS Chu, LTO Lee, FKY Siu, **BKC Chow** 2006 The secretin/pituitary adenylate cyclase-activating polypeptide/vasoactive intestinal polypeptide superfamily in the central nervous system. **Curr Med Chem - Central Nervous System Agents** 6: 27-57(31).
87. Impact factor: 4.69; Citation: 18; SJR: 0.858 (top 16.9% 3430 out of 20281);
 YY Kwok, JYS Chu, H Vaudry, L Yon, Y Anouar, **BKC Chow** 2006 Cloning and

Characterization of a PAC1 Receptor hop-1 Splice Variant in Goldfish (*Carassius auratus*). **Gen Comp Endocr** 145(2): 188-196.

88. Impact factor: 2.49; Citation: 15; SJR: 1.234 (top 10.1% 2039 out of 20281);
WH Yung, YS Chan, **BKC Chow**, JJ Wang 2006 The role of secretin in the cerebellum. **Cerebellum** 5: 43-48.
89. Impact factor: 1.93; Citation: 24; SJR: 0.923 (top 15.4% 3117 out of 20281);
JYS Chu, WH Yung, **BKC Chow** 2006 Endogenous release of secretin from the hypothalamus. **Ann NY Acad Sci** 1070: 196-200.
90. Impact factor: 1.93; Citation: 34; SJR: 0.923 (top 15.4% 3117 out of 20281);
JYS Chu, WH Yung, **BKC Chow** 2006 Secretin: a pleiotrophic hormone. **Ann NY Acad Sci** 1070: 27-50.
91. Impact factor: 1.93; Citation: 2; SJR: 0.923 (top 15.4% 3117 out of 20281);
LTO Lee, Tan-Un KC, **BKC Chow** 2006 Retinoic acid-induced human secretin gene expression in neuronal cells is mediated by cyclin-dependent kinase 1. **Ann NY Acad Sci** 1070: 393-398.
92. Impact factor: 1.93; Citation: 5; SJR: 0.923 (top 15.4% 3117 out of 20281);
LTO Lee, VHY Lee, PY Yuan, **BKC Chow** 2006 Identification of repressor element 1 in secretin/PACAP/VIP genes. **Ann NY Acad Sci** 1070: 388-392.
93. Impact factor: 1.93; Citation: 6; SJR: 0.923 (top 15.4% 3117 out of 20281);
IPY Lam, LTO Lee, HS Choi, **BKC Chow** 2006 Localization of small heterodimer partner (SHP) with the secretin in mouse duodenal cells. **Ann NY Acad Sci** 1070: 371-375.
94. Impact factor: 1.93; Citation: 11; SJR: 0.923 (top 15.4% 3117 out of 20281);
FKY Siu, MH Sham, **BKC Chow** 2006 The prenatal expression of secretin receptor. **Ann NY Acad Sci** 1070: 561-565.

2005

95. Impact factor: 4.60; Citation: 14; SJR: 2.560 (top 2.6% 485 out of 18765);
LTO Lee, KC Tan-Un, MCM Lin, **BKC Chow** 2005 Retinoic acid activates human secretin gene expression by Sp-proteins and Nuclear Factor I in neuronal SH-SY5Y cells. **J Neurochem** 93: 339-350.
96. Impact factor: 3.19; Citation: 27; SJR: 1.534 (top 6.9% 1295 out of 18765);
CM Yeung, BS An, CK Cheng, **BKC Chow**, PCK Leung 2005 Expression and transcriptional regulation of the GnRH receptor gene in human neuronal cells. **Mol Hum Reprod** 11(11): 837-842.
97. Impact factor: 3.41; Citation: 32; SJR: 1.927 (top 4.6% 862 out of 18765);
SMY Lee, L Chen, **BKC Chow**, WH Yung 2005 Endogenous release and multiple

- actions of secretin in the rat cerebellum. **Neuroscience** 134(2): 377-386.
98. Impact factor: 2.65; Citation: 18; SJR: 1.276 (top 9.5% 1778 out of 18765);
SMY Lee, WH Yung, **BKC Chow** 2005 Expression and spatial distribution of secretin and secretin receptor in human cerebellum. **Neuroreport** 16(3): 219-222.
99. Impact factor: 1.79; Citation: 20; SJR: 1.168 (top 11.0% 2063 out of 18765);
FKY Siu, MH Sham, **BKC Chow** 2005 Secretin, a known gastrointestinal peptide, is widely expressed during mouse embryonic development. **Gene Expr Patterns** 5: 445-451.
100. Impact factor: 2.18; Citation: 29; SJR: 1.256 (top 9.8% 1833 out of 18765);
K Chen, JJ Wang, WH Yung, YS Chan, **BKC Chow** 2005 Excitatory effect of histamine on neuronal activity of rat globus pallidus by activation of H2 receptors in vitro. **Neurosci Res** 53(3): 288-297.
101. Impact factor: 2.29; Citation: 11; SJR: 0.978 (top 14.5% 2723 out of 18765);
F Kee, SSM Ng, H Vaudry, RTK Pang, EHY Lau, SM Chan, **BKC Chow** 2005 Aspartic Acid Scanning Mutation Analysis of a Goldfish Growth Hormone-Releasing Hormone (GHRH) Receptor Specific to the GHRHsalmon-like Peptide. **Gen Comp Endocr** 140: 41-51.
102. Impact factor: 1.10; Citation: 3; SJR: 0.556 (top 27.1% 5086 out of 18765);
SSM Ng, **BKC Chow**, V Wong 2005 The human secretin gene in children with autistic spectrum disorder: screening for polymorphisms and mutations. **J Child Neurol** 20: 701-704.

2004

103. Impact factor: 5.87; Citation: 28; SJR: 3.215 (top 1.8% 321 out of 18013);
LTO Lee, TU Tan, RTK Pang, DTW Lam, **BKC Chow** 2004 Regulation of the human secretin gene is controlled by the combined effects of CpG methylation, Sp1/Sp3 ratio and the E-Box element. **Mol Endocrinol** 18(7): 1740-1755.
104. Impact factor: 5.15; Citation: 29; SJR: 2.387 (top 3.0% 535 out of 18013);
BKC Chow, TW Moon, RLC Hoo, CM Yeung, S Mojssov 2004 Identification and characterization of a glucagon receptor from the goldfish *Carassius auratus*: Implications for the evolution of the ligand specificity of glucagon receptors in vertebrates. **Endocrinology** 145(7): 3273-3288.
105. Impact factor: 5.87; Citation: 57; SJR: 3.215 (top 1.8% 321 out of 18013);
RTK Pang, LTO Lee, SSM Ng, WH Yung, **BKC Chow** 2004 CpG methylation and transcription factors Sp1 and Sp3 regulate the expression of the human secretin receptor gene. **Mol Endocrinol** 18(2): 471-483.
106. Impact factor: 3.55; SJR: 1.556 (top 6.5% 1173 out of 18013);

BKC Chow, KH Cheung, EMW Tsang, MCT Leung, SMY Lee, PYD Wong 2004 Secretin controls anion secretion in the rat epididymis in an autocrine/paracrine fashion. **Biol Reprod** 70: 1594-1599.

2003

107. Impact factor: 5.71; Citation: 28; SJR: 3.497 (top 1.5% 272 out of 17589);
CK Cheng, **BKC Chow**, PCK Leung 2003 An AP-1-like motif mediates 17 beta-estradiol repression of GnRH receptor promoter via an estrogen receptor alpha-dependent mechanism in ovarian and breast cancer cells. **Mol Endocrinol** 17(12): 2613-2629.
108. Impact factor: 5.71; Citation: 23; SJR: 3.497 (top 1.5% 272 out of 17589);
CK Cheng, RLC Hoo, **BKC Chow**, PCK Leung 2003 Functional Cooperation between Multiple Regulatory Elements in the Untranslated Exon 1 Stimulates the Basal Transcription of the Human GnRH-II Gene. **Mol Endocrinol** 17: 1175-1191.
109. Impact factor: 5.06; Citation: 5; SJR: 2.339 (top 3.2% 570 out of 17589);
RLC Hoo, ESW Ngan, , PCK Leung, **BKC Chow** 2003 Two Inr Elements Mediate the Function of the Proximal Promoter of the Human Gonadotropin-Releasing Hormone Receptor Gene. **Endocrinology** 144: 518-527.
110. Impact factor: 2.75; Citation: 113; SJR: 1.920 (top 4.5% 786 out of 17589);
Tsang W.S., Quackenbush L.S., **BKC Chow**, Tiu H.K., He J.G., SM Chan 2003 Organization of the shrimp vitellogenin gene: evidence of multiple genes and tissue specific expression by the ovary and hepatopancreas. **Gene** 303: 99-109.

2002

111. Impact factor: 5.70; Citation: 50; SJR: 1.709 (top 5.4% 894 out of 16582);
SSM Ng, WH Yung, **BKC Chow** 2002 Secretin as a neuropeptide. **Molecular neurobiology** 26(1): 97-107.
112. Impact factor: 5.09; Citation: 28; SJR: 2.319 (top 3.2% 523 out of 16582);
CM Yeung, S Mojsov, PY Mok, **BKC Chow** 2002 Isolation and structure-function studies of a glucagon-like peptide 1 receptor from goldfish *Carassius auratus*: Identification of three charged residues in extracellular domains critical for receptor function. **Endocrinology** 143(12): 4646-4654.
113. Impact factor: 5.09; Citation: 43; SJR: 2.319 (top 3.2% 523 out of 16582);
CK Cheng, CM Yeung, **BKC Chow**, PCK Leung 2002 Oct-1 Is Involved in the Transcriptional Repression of Human Gonadotropin-Releasing Hormone Receptor Gene. **Endocrinology** 143(12): 4693-4701.

114. Impact factor: 6.62; Citation: 51; SJR: 3.732 (top 1.3% 220 out of 16582);
CK Cheng, CM Yeung, **BKC Chow**, PCK Leung 2002 Characterization of a New Upstream Gonadotropin-Releasing Hormone Receptor Promoter in Human Ovarian Granulosa-Luteal Cells. **Mol Endocrinol** 16: 1552-1564.
115. Impact factor: 5.09; Citation: 44; SJR: 2.319 (top 3.2% 523 out of 16582);
DLY Tse, RTK Pang, AOL Wong, SM Chan, H Vaudry, **BKC Chow** 2002 Identification of a Potential Receptor for both Peptide Histidine Isoleucine and Peptide Histidine Valine. **Endocrinology** 143: 1327-1336.
116. Impact factor: 2.10; Citation: 75; SJR: 0.912 (top 14.8% 2447 out of 16582);
PL Gu, SS Tobe, **BKC Chow**, SM Chan 2002 Characterization of an additional molt inhibiting hormone-like neuropeptide from the shrimp *Metapenaeus ensis*. **Peptides** 23(11): 1875-1883.
117. Impact factor: 2.64; Citation: 64; SJR: 0.000 (top % 0 out of 16582);
YIN S Gunawardanel, SS Tobe, WG Bendena, **BKC Chow**, KL Kagi, SM Chan 2002 Function and cellular localization of farnesoic acid O-methyltransferase (FAMeT) in the shrimp, *Metapenaeus ensis*. **Eur J Biochem** 269: 3587-3595.
118. Impact factor: 3.00; Citation: 24; SJR: 2.057 (top 4.0% 661 out of 16582);
PL Gu, YIN S Gunawardanel, **BKC Chow**, JG He, SM Chan 2002 Characterization of a novel cellular retinoic acid/retinol binding protein from shrimp: expression of the recombinant protein for immunohistochemical detection and binding assay. **Gene** 288: 77-84.

2001

119. Impact factor: 2.78; Citation: 103; SJR: 5.811 (top 0.6% 97 out of 16037);
WH Yung, PS Leung, SSM Ng, J Zhang, SCY Chan, **BKC Chow** 2001 Secretin facilitates GABA transmission in the cerebellum. **J Neurosci** 21(18): 7063-7068.
120. Impact factor: 4.97; Citation: 29; SJR: 2.230 (top 3.4% 549 out of 16037);
KYY Chan, RTK Pang, **BKC Chow** 2001 Functional Segregation of the Highly Conserved Basic Motifs within the Third Endolop of the Human Secretin Receptor. **Endocrinology** 142: 3926-3934.
121. Impact factor: 4.97; Citation: 34; SJR: 2.230 (top 3.4% 549 out of 16037);
PKW Cheng, **BKC Chow**, PCK Leung 2001 Functional mapping of a placenta-specific upstream promoter for human gonadotropin-releasing hormone receptor gene. **Endocrinology** 142: 1506-1516.
122. Impact factor: 7.26; Citation: 12; SJR: 4.870 (top .8% 122 out of 16037);
AJ Tye, B Ghebrehiwet, N Guo, KN Sastry, **BKC Chow**, EIB Peerscke, BL Lim 2001 The human gC1qR/p32 gene, C1qBP Genomic organization and promoter analysis. **J**

Biol Chem 276(20): 17069-17075.

123. Impact factor: 3.65; Citation: 21; SJR: 1.331 (top 8.0% 1288 out of 16037);
RLC Hoo, D Alexandre, SM Chan, Y Anouar, RTK Pang, H Vaudry, **BKC Chow** 2001
Structural and Functional Identification of a VPAC2 Receptor from the Frog: *Rana*
tigrina rugulosa. **J Mol Endocrinol** 27: 229-238.
124. Impact factor: 2.14; Citation: 54; SJR: 0.924 (top 14.2% 2279 out of 16037);
K Rousseau, N Le Belle, K Pichavant, J Marchelidon, **BKC Chow**, G Boeuf, S Dufour
2001 Pituitary Growth hormone secretion in the Turbot, a phylogenetically recent
teleost, is regulated a species-specific pattern of neuropeptides. **Neuroendocrinology**
74: 375-385.
125. Impact factor: 1.91; Citation: 16; SJR: 0.806 (top 17.0% 2721 out of 16037);
CM Yeung, **BKC Chow** 2001 Identification of a proglucagon cDNA from *Rana tigrina*
rugulosa that encodes two GLP-1s which is alternatively spliced in a tissue-specific
manner. **Gen Comp Endocr** 124: 144-151.
126. Impact factor: 2.17; Citation: 26; SJR: 0.992 (top 12.8% 2054 out of 16037);
L Yon, D Alexandre, M Monteo, N Chartrel, L Jeandel, M Vallarino, JM Conlon, S
Kikuyama, A Fournier, F Gracia-Navarro, E Roubos, **BKC Chow**, A Arimura, Y Anouar,
H Vaudry 2001 Pituitary adenylate cyclase activating polypeptide and its receptors in
amphibians. **Microsc Res Techniq** 54: 137-157.
127. Impact factor: 2.40; Citation: 20; SJR: 1.042 (top 11.8% 1897 out of 16037);
ESW Ngan, PCK Leung, **BKC Chow** 2001 Interplay of Pituitary Adenylate Cyclase-
Activating Polypeptide with a Silencer Element to Regulate the Upstream Promoter of
the Human Gonadotropin-Releasing Hormone Receptor Gene. **Mol Cell Endocrinol**
176: 135-144.
128. Impact factor: 2.54; Citation: 4; SJR: 1.348 (top 7.8% 1258 out of 16037);
SSM Ng, KL Yu, WH Yung, **BKC Chow** 2001 Real-time Analysis of the Activities of
GnRH and GnRH Analogs in aT3-1 Cells by the Cytosensor Microphysiometer. **J Cell**
Biochem 80: 304-312.
129. Impact factor: 1.94; Citation: 44; SJR: 0.935 (top 14.0% 2238 out of 16037);
YIN S Gunawardene, **BKC Chow**, JG He, SM Chan 2001 The shrimp FAMEt cDNA is
encoded for a putative enzyme involved in the methylfarneosate (MF) biosynthetic
pathway and is temporally expressed in the eyestalk of different sexes. **Insect Biochem**
Molec 31: 1115-1124.

2000

130. Impact factor: 4.79; Citation: 64; SJR: 2.479 (top 2.6% 416 out of 15896);
PKW Cheng, ESW Ngan, SK Kang, **BKC Chow**, PCK Leung 2000 Transcriptional

- down-regulation of human gonadotropin-releasing hormone receptor gene by GnRH: role of protein kinase C and activating protein. **Endocrinology** 141: 3611-3622.
131. Impact factor: 2.37; Citation: 28; SJR: 1.169 (top 9.2% 1470 out of 15896); SK Kang, KW Cheng, ESW Ngan, **BKC Chow**, KC Choi, PCK Leung 2000 Differential expression of human gonadotropin-releasing hormone receptor gene in pituitary and ovarian cells. **Mol Cell Endocrinol** 162: 157-166.
132. Impact factor: 3.06; Citation: 14; SJR: 1.691 (top 5.2% 829 out of 15896); ESW Ngan, PCK Leung, **BKC Chow** 2000 Identification of an upstream promoter in the human gonadotropin-releasing hormone receptor gene. **Biochem Bioph Res Co** 270: 766-772.
133. Impact factor: 1.94; Citation: 100; SJR: 1.396 (top 7.1% 1122 out of 15896); AOL Wong, WS Li, EKY Lee, MY Leung, LY Tse, **BKC Chow**, HR Lin, JP Chang 2000 Pituitary Adenylate Cyclase Activating Polypeptide as a novel hypophysiotropic factor in fish. **Biochem Cell Bio** 78: 329-343.
134. Impact factor: 1.81; Citation: 60; SJR: 0.687 (top 19.8% 3141 out of 15896); DLY Tse, **BKC Chow**, CB Chan, LTO Lee, CHK Cheng 2000 Molecular cloning and expression studies of a prolactin receptor from goldfish *Carassius auratus*. **Life Sci** 66(7): 593-605.

1999

135. Impact factor: 5.37; Citation: 43; SJR: 2.432 (top 2.9% 451 out of 15704); RTK Pang, S SM Ng, CHK Cheng, MH Holtmann, LJ Miller, **BKC Chow** 1999 Role of N-linked Glycosylation on the Function and Expression of the Human Secretin Receptor. **Endocrinology** 140: 5102-5111.
136. Impact factor: 5.37; Citation: 78; SJR: 2.432 (top 2.9% 451 out of 15704); ESW Ngan, PKW Cheng, PCK Leung, **BKC Chow** 1999 Steroidogenic Factor-1 interacts with a gonadotrope specific element within the first exon of the human gonadotropin-releasing hormone receptor gene to mediate gonadotrope specific expression. **Endocrinology** 140: 2452-2462.
137. Impact factor: 3.72; Citation: 19; SJR: 2.456 (top 2.9% 448 out of 15704); PK Ho, RSM Fong, HST Kai, ESW Ngan, EHY Lau, AU Cotton, **BKC Chow** 1999 The Human Secretin Receptor Gene: Genomic Organization and Promoter Characterization. **FEBS Lett** 455: 209-214.
138. Impact factor: 3.72; Citation: 19; SJR: 2.456 (top 2.9% 448 out of 15704); ESW Ngan, S Mojsov, LSN Chow, DLY Tse, **BKC Chow** 1999 Functional Studies of a Glucagon Receptor Isolated from Frog *Rana tigrina rugulosa*: Implications on the Molecular Evolution of Glucagon Receptors in Vertebrates. **FEBS Lett** 457(3): 499-504.

139. Impact factor: 2.14; Citation: 31; SJR: 1.135 (top 9.6% 1504 out of 15704);
CM Yeung, CKC Wong, SK Chung, SSM Chung, **BKC Chow** 1999 Glucose-dependent Insulinotropic Polypeptide Gene Expression in the Stomach: Revealed by Transgenic Mouse Study and in Situ Hybridization. **Mol Cell Endocrinol** 154: 161-170.
140. Impact factor: 2.82; Citation: 27; SJR: 1.672 (top 5.1% 808 out of 15704);
SSM Ng, RTK Pang, **BKC Chow**, CHK Cheng 1999 Real-time evaluation of human secretin receptor activity using cytosensor microphysiometry. **J Cell Biochem** 72: 517-527.

1998

141. Impact factor: 4.63; Citation: 138;
AOL Wong, MY Leung, WLC Shea, JP Chang, **BKC Chow** 1998 Hypophysiotropic Action of Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) in the Goldfish: Immuno-histochemical Demonstration of PACAP in the Pituitary, PACAP Stimulation of Growth Hormone Release from Pituitary Cells, and Molecular Cloning of. **Endocrinology** 139(8): 3465-3479.
142. Impact factor: 3.00; Citation: 61;
KW Chan, KL Yu, J Rivier, **BKC Chow** 1998 Identification and Characterization of a Receptor from Goldfish Specific for a Teleost Growth Hormone Releasing Hormone-like Peptide. **Neuroendocrinology** 68: 44-56.

1997

143. Impact factor: 1.55; Citation: 64;
BKC Chow, TTH Yuen, KW Chan 1997 Molecular evolution of vertebrate VIP receptors and functional characterization of a VIP receptor from goldfish, *Carassius auratus*. **Gen Comp Endocr** 105: 176-185.
144. Impact factor: 1.11; Citation: 17;
TTH Yuen, PY Mok, **BKC Chow** 1997 Molecular cloning of a cDNA encoding proglucagon from goldfish, *Carassius auratus*. **Fish Physiol Biochem** 17: 223-230.
145. Impact factor: 1.11; Citation: 20;
BKC Chow 1997 The goldfish Vasoactive Intestinal Polypeptide Receptor: functional studies and tissue distribution. **Fish Physiol Biochem** 17: 213-222.
146. Impact factor: 0.65; Citation: 10;
BKC Chow 1997 Functional Antagonism of the human secretin receptor by a recombinant protein encoding the N-terminal ectodomain of the receptor. **Recept Signal Trans** 7: 143-150.

1995

147. Impact factor: 3.18; Citation: 66;

BKC Chow 1995 Molecular Cloning and Functional Characterization of a Human Secretin Receptor. **Biochem Bioph Res Comm** 212(1): 204-211.

148. Impact factor: 4.09; Citation: 20;

HFL Mark, , **BKC Chow** 1995 Localization of the Gene Encoding the Secretin Receptor on Human Chromosome 2q14.1 by Fluorescent in situ Hybridization and Chromosome Morphometry. **Genomics** 29: 817-818.

Publications before joining the University of Hong Kong

149. Impact factor: 7.39; Citation: 57;

BKC Chow, V Ting, F Tufaro, RTA MacGillivray 1991 Characterization of a novel liver-specific enhancer in the human prothrombin gene. **J Biol Chem** 266(28): 18927-18933.

150. Impact factor: 2.50; Citation: 42;

DK Banfield, **BKC Chow**, W Funk, K Robertson, T Umelas, RC Woodworth, RTA MacGillivray 1991 The Nucleotide Sequence of Rabbit Liver Transferrin cDNA. **Biochim Biophys Acta** 1089: 262-265.

151. Impact factor: 5.14; Citation: 27;

ML Koschinsky, **BKC Chow**, J Schwartz, JL Hamerton, RTA MacGillivray 1987 Isolation and Characterization of a Processed Gene for Human Ceruloplasmin. **Biochemistry** 26: 7760-7767.

152. Impact factor: 2.09; Citation: 5;

BKC Chow, GW Morrow, M Ho, RA Pederson, CHS McIntosh, JC Brown, RTA MacGillivray 1990 Expression of Recombinant Human Glucose-Dependent Insulinotropic Polypeptide in E. coli by Sequence-specific Proteolysis of a Protein A Fusion Protein. **Peptides** 11: 1069-1074.

153. Impact factor: 0.56; Citation: 3;

DW Lee, JR Grace, **BKC Chow**, RTA MacGillivray, DG Kilburn 1991 High Density Cultivation of BHK Cells on Sintered Alumina Ceramic Foam Support. **Cytotechnology** 5: 233-241.

C. Book chapters

1. **BK Chow**, WD Funk, DK Banfield, JA Lineback, AB Mason, RC Woodworth, RT Macgillivray 1991 Structural-functional studies of human transferrin by using in vitro mutagenesis. **Current studies in hematology and blood transfusion** (58), 132-138
2. LY Tse, MY Leung, AOL Wong, KL Yu and **BKC Chow** 1997 Evolution and Tissue Distribution of a Vasoactive Intestinal Peptide in goldfish. **Advance Comparative Endocrinology** 1: 655-660.
3. MY Leung, JP Chang, **BKC Chow** and AOL Wong, 1997 Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) functions as a novel growth hormone release factor in the goldfish. **Advance Comparative Endocrinology** 1: 681-686.
4. ESW Ngan, PKW Cheng, PCK Leung and **BKC Chow** 1999 Regulation of the gonadotrope specific expression of the human GnRHR gene by steriodogenic factor-1. **Recent Progress in Molecular and Comparative Endocrinology** (eds: HB Kwon, JMP Joss, S Ishii) p339-347.
5. MY Leung, LY Tse, KL Yu, **BKC Chow** and AOL Wong 1999 Molecular cloning and tissue distribution of PACAP in the goldfish **Recent Progress in Molecular and Comparative Endocrinology** (eds: HB Kwon, JMP Joss, S Ishii) p383-388.
6. **BKC Chow**, RTK Pang and SSM Ng 2002 Molecular evolution of PACAP precursor and PACAP receptors. **Pituitary Adenylate Cyclase-Activating Polypeptide** (eds: H Vaudry, A Arimura) p25-48.
7. KYY Chan, RLC Hoo and **BKC Chow** 2004 Classification of functional motifs of the secretin receptor on signal transduction. **Current Topics in Peptide & Protein Research** Vol 6 p145-156.
8. JYS Chu, WH Yung, **BKC Chow** 2006 Actions of secretin on the hypothalamic magnocellular neurons: Implications for the control of body water homostasis. **Regulatory Peptides** 130(3): 159.
9. IPY Lam, LTO Lee, **BKC Chow** 2006 Down-regulation of the human secretin gene expression by an atypical nuclear orphan receptor, small heterodimer partner (SHP). **Regulatory Peptides** 130(3): 167.
10. LTO Lee, KC Tan-Un, **BKC Chow** 2006 Transcriptional regulation of the human secretin gene in duodenal and neuronal cells. **Regulatory Peptides** 130(3): 167.
11. LTO Lee, VHY Lee, PY Yuan, **BKC Chow** 2006 The role of repressor element 1 silencing transcription factor (REST) in modulating the transcription of human secretin receptor gene. **Regulatory Peptides** 130(3): 167-168.
12. FKY Siu, MH Sham, **BKC Chow** 2006 Secretin is widely expressed during mouse embryonic development. **Regulatory Peptides** 130(3): 176.
13. H Tostivint, **BKC Chow**, H Vaudry 2007 GHRH and PACAP are going their ways separately for a longer time. **Med. Sci. (Paris)** Vol 23(11):1023-1025.

14. SYL Ng, LTO Lee, **BKC Chow** 2013 Receptor oligomerization: from early evidence to current understanding in class B GPCRs. **Frontiers in Endocrinology**. 3(175): 1-11.
15. SYL Ng, CYY Cheng, **BKC Chow** 2013 Secretin. **Handbook of Biologically Active Peptides** 2nd Edition 924-932.
16. R Sekar, **BKC Chow** 2013 Role of Secretin Peptide Family and their Receptors in the Hypothalamic Control of Energy Homeostasis Review. **Horm Metab Res** 45: 945–954.
17. Zhang L., **BKC Chow** 2014 The central mechanisms of secretin in regulating multiple behaviors **Frontiers in Endocrinology** (5):77.
18. R Sekar, K Singh, AWR Arokiaraj, **BKC Chow** 2016 Chapter Seven-Pharmacological Actions of Glucagon-Like Peptide-1, Gastric Inhibitory Polypeptide, and Glucagon **International review of cell and molecular biology** 326: 279-341.
19. JSW On, **BKC Chow** 2016 Molecular Evolution of Pituitary Adenylyl Cyclase-Activating Polypeptide Subfamily and Cognate Receptor Subfamily **Pituitary Adenylate Cyclase Activating Polypeptide—PACAP** 3-17.

International Conference Abstracts:

1. RTA MacGillivray, DK Banfield, **BKC Chow**, DR Cleveland, BLe Bonniec and DM Irwin 1988 Prothrombin Gene Expression. Canadian Federation of Biological Sciences Conference, Quebec City.
2. **BKC Chow**, EPM Candido, F Tufaro and RTA MacGillivray 1989 Studies of the human prothrombin promoter using the human growth hormone transient assay system. The XIIth congress of the international society on thrombosis and homeostasis, Tokyo.
3. WD Funk, RTA MacGillivray, **BKC Chow**, JA Lineback, SA Brown, AB Mason and RC Woodworth 1989 Expression and characterization of recombinant human transferrin. IXth international conference on proteins of iron transport and storage, Brisbane, Australia.
4. **BKC Chow**, GW Morrow, RA Pederson, JC Brown and RTA MacGillivray 1990 Expression of human glucose-dependent insulinotropic polypeptide in *E. coli*. The 8th international symposium on gastrointestinal hormones, Federal Republic of Germany.
5. RTA MacGillivray and **BKC Chow** 1991 Characterization of a novel liver specific human prothrombin enhancer. The XIIIth congress of the international society on thrombosis and hemostasis, Amsterdam.
6. **BKC Chow** and JC Brown 1991 A novel PCR technique for the characterization of the 5' end of a rat glucose dependent insulinotropic polypeptide clone. Society for the Study of Endocrinology, Metabolism and Reproduction, Sixth Annual Scientific Meeting, Hong Kong.
7. **BKC Chow** 1992 Characterization of a hamster glucose-dependent insulinotropic polypeptide cDNA. Society for the Study of Endocrinology, Metabolism and Reproduction, Seventh Annual Scientific Meeting, Hong Kong.

8. KW Chan, TTH Yuen, KL Yu and **BKC Chow** 1995 Molecular cloning of a cDNA encoding a novel GHRH receptor from goldfish. IIIrd Congress of Asia & Oceania Society for Comparative Endocrinology, Australia.
9. **BKC Chow** 1996 Characterization of a Human Secretin Receptor from a pancreatic carcinoma cell-line. 10th International Congress of Endocrinology, San Francisco, USA, p973.
10. **BKC Chow** and HFL Mark 1996 Chromosomal localization of human Secretin Receptor gene. 10th International Congress of Endocrinology, San Francisco, USA, p972.
11. WLC Shea, KW Chan, TTH Yuen and **BKC Chow** 1996 Cloning of a Pituitary Adenylate Cyclase Activating Polypeptide Receptor cDNA from Goldfish. 10th International Congress of Endocrinology, San Francisco, USA, p816.
12. PK Mok, TTH Yuen and **BKC Chow** 1996 Molecular Cloning and functional expression of a goldfish glucagon-like receptor cDNA from Goldfish., 10th International Congress of Endocrinology, San Francisco, USA, p356.
13. TTH Yuen, PY Mok and **BKC Chow** 1996 Molecular cloning of glucagon and its receptor in goldfish. 3rd International Symposium on Fish Endocrinology, Hokkaido, Japan, p80.
14. **BKC Chow**, KW Chan and TTH Yuen 1996 Molecular evolution of vertebrate VIP receptors and functional characterization of a VIP receptor from goldfish. 3rd International Symposium on Fish Endocrinology, Hokkaido, Japan, p79.
15. **BKC Chow** 1996 Inhibition of the human secretin receptor by a recombinant protein encoding the N-terminal ectodomain of the receptor. Asia Pacific Society of Bioscientists: Second International Symposium and Workshop, Hong Kong.
16. AOL Wong, MY Leung, WLC Shea and **BKC Chow** 1997 Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) stimulates growth hormone release from goldfish pituitary cells through PACAP type-1 Receptors. 2nd IUBS Toronto Symposium, Canada.
17. **BKC Chow**, PY Mok, CHK Cheng and S Mojsov 1997 Functional Studies of the Goldfish Glucagon and Glucagon-like Peptide 1 Receptors. The 13th International Comparative Endocrinology, Yocohama, Japan.
18. LY Tse, KW Chan, MY Leung, KL Yu, AOL Wong and **BKC Chow** 1997 Molecular characterization and tissue distribution of a goldfish VIP/PHI transcripts. The 13th International Comparative Endocrinology, Yocohama, Japan.
19. LY Tse, MY Leung, AOL Wong and **BKC Chow** 1998 Distribution of transcripts encoding for the goldfish VIP, PACAP and their common receptors including VIP1, VIP2 and PACAP type 1 receptors in various brain regions by RT-PCR. 19th Conference of European Comparative Endocrinologists, Nijmegen, Netherlands, p71.

20. MY Leung, JP Chang, **BKC Chow** and AOL Wong, 1997 Pituitary Adenylate Cyclase Activating Polypeptide (PACAP) functions as a novel growth hormone release factor in the goldfish. The 13th International Comparative Endocrinology, p1-41.
21. SSM Ng, RTK Pang, **BKC Chow** and CHK Cheng 1998 Functional characterization of the human secretin receptor by the cytosensor microphysiometer system. 80th Annual Meeting of the Endocrine Society, USA.
22. ESW Ngan, PKW Cheng, PCK Leung and **BKC Chow** 1998 Identification and localization of cis-acting regulatory elements within 2.3 kb of the 5' flanking region of the human GnRH-R gene that are responsible for the basal and gonadotrope specific expression. 80th Annual Meeting of the Endocrine Society, USA.
23. CM Yeung, CKC Wong, SK Chung, SSM Chung and **BKC Chow** 1998 Tissue-specific expression of 1.2 kb of the human Glucose-dependent Insulinotropic Polypeptide Gene 5' flanking region in transgenic mouse. 80th Annual Meeting of the Endocrine Society, San Diego, USA.
24. RTK Pang, SSM Ng, CHK Cheng and **BKC Chow** 1998 Role of N-linked glycosylation on the function and expression of the human secretin receptor. 80th Annual Meeting of the Endocrine Society, USA.
25. AOL Wong, MY Leung, LY Tse, KL Yu and **BKC Chow** and 1999 Molecular cloning and tissue distribution of PACAP in the goldfish, *Carassius auratus*. 3rd international Symposium of Asia and Oceania Society for Comparative Endocrinology (AOSCE), Kwangju, Republic of Korea, S10-4.
26. ESW Ngan, PKW Cheng, PCK Leung and **BKC Chow** 1999 Regulation of the gonadotrope specific expression of the human GnRHR gene by steroidogenic factor-1. Symposium of Asia and Oceania Society for Comparative Endocrinology (AOSCE), Kwangju, Republic of Korea, S1-2.
27. SSM Ng, KL Yu, WH Yung and **BKC Chow** 2000 Real-time Analysis of the Activities of GnRH and GnRH Analogs in α T3-1 Cells by the Cytosensor Microphysiometer
28. RLC Hoo, ESW Ngan and **BKC Chow** 2000 Transcriptional regulation of the human glucose-dependent insulinotropic polypeptide (hGIP) gene. 81th Annual Meeting of the Endocrine Society, Toronto, Canada.
29. DTW Lam and **BKC Chow** 2000 Structural Organization, Transcriptional Regulation and Chromosomal Localization of the Human Secretin Gene. 81th Annual Meeting of the Endocrine Society, Toronto, Canada.
30. Kathy Y.Y. Chan, Ronald T.K. Pang, and **BKC Chow** 2000 Functional Role of the Third Intracellular Domain of the Human Secretin Receptor. 81th Annual Meeting of the Endocrine Society, Toronto, Canada.

31. RLC Hoo, D Alexandre, Y Anouar, RTK Pang, H Vaudry and **BKC Chow** 2000 Molecular cloning and Characterization of the frog VPAC₂ receptor (fVPAC₂-R). 81th Annual Meeting of the Endocrine Society, Toronto, Canada
32. **BKC Chow**, LY Tse, RTK Pang and AOL Wong 2000 Identification of a PHI receptor in goldfish: implications on the evolution of VIP/PACAP receptors in vertebrates. 20th conference of European Comparative Endocrinologists, Faro, Portugal.
33. SSM Ng, F Kee, H.Vaudry, RTK Pang, KYC Chan, RLC Hoo and **BKC Chow** 2002 Characterization of a Goldfish Growth Hormone-Releasing Hormone (GHRH) Receptor Specific to the GHRHsalmon-like Peptide. 21st conference of European Comparative Endocrinologists, Bonn, Germany.
34. SSM Ng, WH Yung, FKY Siu, SCK Chung and **BKC Chow** 2002 Neuropeptide Function of Secretin in the Cerebellum. 21st conference of European Comparative Endocrinologists, Bonn, Germany.
35. CK Cheng, CM Yeung, RLC Hoo, **BKC Chow** and PCK Leung 2002 A Role of OCT-1 in the Transcriptional Repression of the Gonadotropin-Releasing Hormone Receptor Gene. 2nd Pacific conference on Reproductive Biology and Environmental Sciences, Kyoto, Japan.
36. FKY Siu, MH Sham, SSM Ng and **BKC Chow** 2003 The Expression of Secretin in the Mouse Embryonic Development. 6th IBRO World congress of Neuroscience, Prague, Czech Republic.
37. LTO Lee, SMY Lee, KC Tan-Un and **BKC Chow** 2003 Expression Regulation of the Secretin gene in Human Neuroblastoma cells throughout Retinoic acid induced Neuronal differentiation. 6th IBRO World congress of Neuroscience, Prague, Czech Republic.
38. MY Lee, WH Yung, SSM Ng, L Chen and **BKC Chow** 2003 Electrophysiological effects and release characteristics in the rat cerebellum. 6th IBRO World congress of Neuroscience, Prague, Czech Republic.
39. RYK Au, A Ravni, L Eiden, **BKC Chow**, B Gonzalez, HVaudry and D Vaudry 2003 Pituitary Adenylate Cyclase-Activating Polypeptide stimulates Serpin in PC12. 9^{eme} Journee Scientifique de L'Institut Federatif de Recherches Multidisciplinaires sur les Peptides, Rouen, France.
40. JYS Chu, D Alexandre, **BKC Chow**, H Vaudry and Y Anouar 2003 Caractérisation moléculaire d'un nouveau variant du récepteur du neuropeptide PACAP dans le cerveau de la grenouille. 6^e Colloque de la Société des Neurosciences, Rouen, France, 13-16 mai.
41. RYK Au, A Ravni, L Eiden, **BKC Chow**, B Gonzalez, H Vaudry, D Vaudry 2004 NGF and PACAP highly up-regulate the expression of serpin in PC12 cells through activation of Calcineurin AND MEK pathways. 11th Meeting of the European Neuroendocrine Association, Sorrento, Italy.
42. JYS Chu, SMY Lee, WH Yung, **BKC Chow** 2004 Localization and the release mechanism of secretin in hypothalamo-pituitary system of the Wistar Rat *Rattus norvegicus*. 11th Meeting of the European Neuroendocrine Association, Sorrento, Italy.
43. YY Kwok, JYS Chu, Y Anouar, DLY Tse, **BKC Chow** 2004 Cloning and characterizing PAC1 receptor-Hop1 splice variant in goldfish (*Carrasius Auratus*). 11th Meeting of the European Neuroendocrine Association, Sorrento, Italy.

44. SSN Ho, JYS Chu, WH Yung, **BKC Chow** 2004 Expression and electrophysiological studies of secretin in the rat hypothalamic paraventricular nucleus. 34th Annual Meeting of the Society for Neuroscience, San Diego, USA.
45. **BKC Chow**, JYS Chu, SCK Chung 2005 A putative role of secretin to regulate water homeostasis. 7th International Symposium on VIP, PACAP and Related Peptides, Rouen, France.
46. LTO Lee, KC Tan-Un, **BKC Chow** 2005 Transcriptional regulation of the human secretin gene in duodenal and neuronal cells. 7th International Symposium on VIP, PACAP and Related Peptides, Rouen, France.
47. FKY Siu, MH Sham, **BKC Chow** 2005 Secretin is widely expressed during mouse embryonic development. 7th International Symposium on VIP, PACAP and Related Peptides, Rouen, France.
48. LTO Lee, VHY Lee, PY Yuen, **BKC Chow** 2005 The role of repressor element 1 silencing transcription factor (REST) in modulating the transcription of human secretin receptor gene. 7th International Symposium on VIP, PACAP and Related Peptides, Rouen, France.
49. IPY Lam, LTO Lee, **BKC Chow** 2005 Down-regulation of the human secretin gene expression by an atypical nuclear orphan receptor, small heterodimer partner (SHP). 7th International Symposium on VIP, PACAP and Related Peptides, Rouen, France.
50. JYS Chu, WH Yung, **BKC Chow** 2005 Actions of secretin on the hypothalamic magnocellular neurons: Implications for the control of body water homeostasis. 7th International Symposium on VIP, PACAP and Related Peptides, Rouen, France.
51. IPY Lam, G. Shannon, **BKC Chow**, LTO Lee, Venter Julie, VHY Lee, Alpini Gianfranco 2006 Cholic acid stimulates bile duct proliferation both *in vivo* and *in vitro* via regulation of the expression and secretion of secretin by cholangiocytes : Novel evidence for autocrine/paracrine regulation of cholangiocyte proliferation by secretin. American Association for the study of Liver Diseases, USA.
52. G. Shannon, VHY Lee, IPY Lam, **BKC Chow**, Venter Julie, DeMorrow Sharon, Summers Ryun, Vaculin Bradley, Francis Heather, Alpini Gianfranco 2006 Secretin inhibits cholangiocarcinoma growth via inhibition of ERK1/2 and p38-dependent signaling. American Association for the study of Liver Diseases, USA.
53. LTO Lee, FKY Siu, ITY Lau, JKB Tam, H Vaudry, **BKC Chow** 2006 Identification of Novel Growth Hormone-Releasing Hormones and Receptors from Fish and Frog and the Implications of These Clones in the Molecular Evolution of the Secretin and Receptor Gene Families in Vertebrates. The Endocrine Society's 88th Annual Meeting: ENDO 2006, USA.

54. **BKC Chow**, FKY Siu, JKV Tam, LTO Lee 2007 Function and evolution of GHRH, PACAP and PRP in vertebrates. 9th European Congress of Endocrinology, Budapest, Hungary.
55. A Ravni, RYK Au, **BKC Chow**, A Fournier, H Vaudry, LE Eiden, D Vaudry 2007 Serpin b1a controls the antiapoptotic effects of PACAP and NGF in PC12 cells. **Journal of Molecular Neuroscience** 33 (3): 313-314.
56. JYS Chu, LTO Lee, **BKC Chow** 2007 Akira Arimura young investigator award lecture - Secretin: A potential neurosecretory factor regulating body water homeostasis. **Journal of Molecular Neuroscience** 33 (3): 319-320.
57. LTO Lee, IPY Lam, **BKC Chow** 2007 A Functional Variable Number of Tandem Repeats is Located at the 5' Flanking Region of the Human Secretin Gene Plays a Downregulatory Role in Expression. 8th International Symposium on VIP, PACAP and Related Peptides, Manchester, USA.
58. LTO Lee, PY Yuan, **BKC Chow** 2008 The role of neuron-restrictive silencer factor in modulating the Sp-1 mediated transactivation of human secretin receptor gene. 25th Congress of the European-Society-of-Comparative-Biochemistry-and-Physiology, Ravenna, Italy.
59. LTO Lee, JKV Tam, DW Chan, **BKC Chow** 2008 Molecular Cloning and mRNA Distribution of Pituitary Adenylate Cyclase-activating Polypeptide (PACAP)/PACAP-related Peptide in the Lungfish. Conference on Trends in Comparative Endocrinology and Neurobiology, Genoa, Italy.
60. JYS Chu, LTO Lee, YS Chan, **BKC Chow** 2009 Secretin : a neurosecretory factor regulating body water homeostasis. 9th International Symposium on VIP, PACAP and Related Peptides, Kagoshima, Japan.
61. LTO Lee, JKV Tam, **BKC Chow** 2009 Analysis of a putative VPAC2 receptor from sturgeon shed light on molecular and functional evolution of VPAC2R in vertebrates. 9th International Symposium on VIP, PACAP and Related Peptides, Kagoshima, Japan.
62. CYY Cheng, JYS Chu, **BKC Chow** 2009 Central administration of secretin suppresses food intake in mice. 9th International Symposium on VIP, PACAP and Related Peptides, Kagoshima, Japan.
63. SYL Ng, **BKC Chow**, J Kasamatsu, M Kasahara, LTO Lee 2009 Molecular cloning and characterization of a VPAC receptor in the inshore hagfish, *Eptatretus burgeri*. 9th International Symposium on VIP, PACAP and Related Peptides, Kagoshima, Japan.
64. VHY Lee, LTO Lee, JYS Chu, FKY Siu, H Vaudry, **BKC Chow** 2010 Secretion: A putative neural and neurohypophysial factor regulating water homeostasis. 7th International Congress of Neuroendocrinology, Rouen, France.
65. JYS Chu, **BKC Chow** 2010 Reduced sodium appetite in water-deprived SCT-deficient mice. 7th International Congress of Neuroendocrinology, Rouen, France.

66. LTO Lee, KW Lau, JYS Chu, **BKC Chow** 2010 Functional and structural interrelation of orexin and secretin in vertebrates. 7th International Congress of Neuroendocrinology, Rouen, France.
67. CM Yeung, **BKC Chow**, RS Wu 2012 The endocrine disrupting effect of hypoxia on pituitary cells. 6th SETAC World Congress, Berlin, Germany.
68. Li Zhang, SK Chung, **BKC Chow** Knockout of Secretin in Purkinje Cells Changes Mouse Motor and Balance Behaviors. Endocrine Society Annual Meeting, ENDO 2012, Houston, TX, USA.
69. R Sekar, **BKC Chow** 2013 Lipolytic effect of secretin. Cold Spring Harbor Asia Conferences – Metabolism, Obesity and Obesity-associated Diseases, Suzhou, China.
70. R Sekar, **BKC Chow** 2013 Secretin receptor knockout mice are resistant to diet – induced obesity and exhibit impaired intestinal lipid absorption. Endo 2013, San Francisco, California.
71. LTO Lee, SYL Ng, JYS Chu, R Sekar, KG Harikumar, LJ Miller, **BKC Chow** 2013 Transmembrane domain peptides as a new class of drugs to demonstrate the *In vivo* function of GPCR hetero-oligomerization in water intake. 11th international Symposium on VIP, PACAP and Related peptides, Hungary.
72. LTO Lee, SYL Ng, JYS Chu, R Sekar, KG Harikumar, LJ Miller, **BKC Chow** 2014 Transmembrane peptides as unique tools to demonstrate the *in vivo* action of a GPCR hetero-complex of secretin and angiotensin. 7th Intercongress Symposium of Asia and Oceania Society for Comparative Endocrinology (AOSCE), Keelung, Taiwan.
73. JSW On, SK Chung, **BKC Chow**, LTO Lee 2014 Nuclear factor of activated T-cells 5 (NFAT5) regulates secretin receptor in the kidney medulla in response to hypertonicity. 27th Conference of European Comparative Endocrinologists (CECE) 2014, Rennes, France.
74. AM Zaw, HKW Law, LTO Lee, **BKC Chow** 2014 Role of secretin in blood pressure regulation, cardiac morphology and function. 27th Conference of European Comparative Endocrinologists (CECE) 2014, Rennes, France.
75. HKH Ng, SYL Ng, LTO Lee, **BKC Chow** 2014 Modulation of secretin and vasopressin signaling by receptor hetero-complex. 27th Conference of European Comparative Endocrinologists (CECE) 2014, Rennes, France.
76. J Bai, CP Tam, AST Wong, **BKC Chow** 2014 SCT/SCTR axis is required for mediating ANGII induction of aldosterone synthesis in response to dietary sodium restriction. 27th Conference of European Comparative Endocrinologists (CECE) 2014, Rennes, France.
77. R Sekar, **BKC Chow** 2014 Role of secretin in lipid homeostasis. 27th Conference of European Comparative Endocrinologists (CECE) 2014, Rennes, France.
78. JSW On, LZ Holland, C Duan, **BKC Chow**, LTO Lee 2014 Evolution of glucagon/PACAP receptor family from invertebrate to vertebrate: insights from

- amphioxus. 27th Conference of European Comparative Endocrinologists (CECE) 2014, Rennes, France.
79. J Bai, CD Tan, **BKC Chow** 2015 The Role of Secretin and Its Receptor in Angiotensin II–Induced Aldosterone Biosynthesis and Release. 12th International Symposium on VIP/PACAP and Related Peptides, Cappadocia, Turkey.
 80. WK So, Y Chen, **BKC Chow**, SK Chung 2015 Exchange Protein Directly Activated By cAMP (Epac) 1-deficient Mice Have Reduced Exercise Capacity. **DIABETES**. 64: A521-2.
 81. **BKC Chow** 2016 Secretin and the development of pulmonary arterial hypertension. 8th Congress of Asia and Oceania Society for Comparative Endocrinology. Seoul, Korea
 82. JJ Bai, **BKC Chow** 2016 A role of secretin in the control of salt and water homeostasis. 22nd International Conference of Zoology & 87th meeting of the Zoological Society of Japan. Okinawa, Japan.
 83. L Wang, **BKC Chow** 2017 Secretin protects from apoptosis by activation of ERK1/2 and CREB. 19th European Congress of Endocrinology. Lisbon, Portugal.
 84. OK Mak, **BKC Chow** 2017 SCTR/AT1aR heteromer related osmoregulation in hypothalamus. 19th European Congress of Endocrinology. Lisbon, Portugal.
 85. L Wang, L Zhang, **BKC Chow** 2017 A role of secretin in postnatal development of purkinje cells. 13th International Symposium on VIP, PACAP and Related Peptides. Hong Kong SAR, China.
 86. L Zhang, L Wang, **BKC Chow** 2017 Expression and functional implications of secretin in cerebellar cortex. 13th International Symposium on VIP, PACAP and Related Peptides. Hong Kong SAR, China.
 87. OK Mak, **BKC Chow** 2017 Central role of SCTR-AT1aR heterocomplex in modulating vasopressin release and expression within hypothalamus. 13th International Symposium on VIP, PACAP and Related Peptides. Hong Kong SAR, China.
 88. SW On, LTO Lee, **BKC Chow** 2017 The relationship between the evolutionary origin of PACAP/GCG subfamily and two rounds of whole genome duplication (2WGD) in the beginning of vertebrate evolution. 13th International Symposium on VIP, PACAP and Related Peptides. Hong Kong SAR, China.
 89. K Singh, V Senthil, AW Arokiaraj, J Leprince, B Lefranc, D Vaudry, AA Allam, J Ajarem, **BKC Chow** 2017 Secretin receptors structural analysis as a potential drug target. 13th International Symposium on VIP, PACAP and Related Peptides. Hong Kong SAR, China.
 90. AM Zaw, HKW Law, **BKC Chow** 2017 Secretin deficiency causes cardiopulmonary pathologies in mice. 13th International Symposium on VIP, PACAP and Related Peptides. Hong Kong SAR, China.
 91. R Sekar, **BKC Chow** 2017 Secretin and lipid metabolism. 13th International Symposium

on VIP, PACAP and Related Peptides. Hong Kong SAR, China.

92. K Singh, J Leprince, B Lefranc, D Vaudry, **BKC Chow** 2018 Discovering small compound modulators for Secretin receptor. Cambridge Healthtech Institute's 13th Annual Drug Discovery Chemistry. San Diego, CA USA.

II) Teaching and Curriculum reform

Title of Prize and Awards of my Ph.D. and M. Phil. Students

Wang Lei (Ph.D.)

2016 Merit award in confocal microscopy at Scientific Imaging Competition, HKU

Revathi Sekar (Ph.D. & Post-doctoral fellow)

2014 Best Abstract oral presentation award at HKSEMR ASM 2014 (HK, Nov 2014)

2014 Selected for Global Young Scientist Summit 2014 in Singapore (Jan 2014)

2014 J.G. Philips Memorial Scholarship 2013-2014, HKU

2014 Travel award CECE2014 (August 2014)

2014 Abstract selected for Young Investigator Symposium CECE2014

2014 Best Oral Presentation Award at CECE2014 (Renne, France. August 2014)

Aloysius Wilfred Raj (Ph.D.)

2013 Research Integrity Essay Competition, HKU

Chu, Jessica YS (M.Phil. and Ph.D.)

2007 Li Po Chun Postgraduate Scholarship 2006-2007

2006 Anthony R. Means Basic Science Student Award, Endocrine Society, USA.

2006 Dr. Lo Kwee Seong Education Foundation Travel and Conference Grants

2004-6 Li Po Chun Postgraduate Scholarship

2003 Best poster award in the Half-Day Symposium on G protein-coupled receptors

Ho, Sara SN (M.Phil.)

2006 Croucher Foundation Ph.D.Scholarship, University College London

2005 Hong Kong Oxford Scholarship Fund

2005 The Pollard Fund

2002 HKU Worldwide Undergraduate Student Exchange Scholarships

Pang, Ronald TK (M.Phil. and Ph.D.)

2006 NACB's Distinguished Abstract Award

Ngan, Elly SW (Ph.D.)

1997 Croucher Foundation Post-doctoral Fellowship, Baylor College

Post-graduate teaching

Research Students Supervised

Number of Ph.D. candidates supervised graduated : 27 on-going: 6

Number of M.Phil. candidates supervised graduated : 21 on-going: 0

All my Ph.D. graduates received Post-doctoral positions immediately after their Ph.D. candidature either in Hong Kong or in or in overseas institutions.

Ph.D.			Thesis title
Yeung, Chung Man	(M.Phil.)	95-97	Studies on the tissue specificity of the glucose-dependent insulinotropic polypeptide promoter by a transgenic mouse model
	(Ph.D.)	97-01	Structure-function studies on the ligand-binding domains of a glucagon-like peptide 1 receptor from goldfish <i>Carassius auratus</i>
Pang, Ronald TK	(M.Phil.)	96-98	Role of N-link glycosylation on the function and expression of the human secretin receptor
	(Ph.D.)	99-02	Transcriptional regulation of the human secretin receptor gene
Ng, Samuel SM	(M.Phil.)	96-98	Characterization of human secretin receptor by the cytosensor microphysiometer system
	(Ph.D.)	99-02	Secretin: expression and neuroactive function in the cerebellum
Ngan, Elly SW	(Ph.D.)	97-00	Transcriptional regulation of the human gonadotropin releasing hormone receptor gene
Chan, Kathy YY	(Ph.D.)	98-01	Functional segregation of the highly conserved basic motifs within the third endoloop of the human secretin receptor
Hoo, Ruby LC	(M.Phil.)	98-00	Transcriptional regulation of the human glucose-dependent insulinotropic polypeptide gene
	(Ph.D.)	01-03	Transcriptional regulation of the human gonadotropin-releasing hormone (GnRH) II and GnRH receptor genes
Lee, Leo TO	(Ph.D.)	00-03	Transcriptional regulation of the human secretin gene
Lee, Suki MY	(Ph.D.)	02-05	Secretin: expression, endogenous release and multiple neuroactive actions in the cerebellum

Chung, Samuel CK	(Ph.D.)	00-05	The development and characterization of a gene-knockout mouse model for secretin receptor
Chu, Jessica YS	(M.Phil.)	02-04	Secretin in the rat hypothalamo-pituitary system: localization, release mechanisms, and functions
	(Ph.D.)	05-08	Secretin : A putative factor in regulating body water homeostasis
Siu, Francis KY	(M.Phil.)	01-03	Expression studies of secretin during mouse embryonic development
	(Ph.D.)	04-08	The development and characterization of a knockout model for secretin
Lam, Ian Pak Yan	(Ph.D.)	05-10	Secretin in biliary physiology: autocrine regulation on cholangiocyte proliferation and negative feedback regulation on duodenal secretin expression via bile acids
Lee, Vien Hoi Yi	(Ph.D.)	05-10	The role of secretin in mediating the osmoregulatory functions of anigotensin II
Tam, Janice Kal Van	(Ph.D.)	06-10	Molecular evolution of secretin/glucagon receptor superfamily in osteichthyans
Yuan, Yuan	(Ph.D.)	06-11	Transcriptional regulation of mouse secretin receptor in hypothalamic cells
Cheng, Carrie YY	(Ph.D.)	07-11	The role of secretin in appetite control
Zhang, Li	(Ph.D.)	09-13	Secretin's effects on mouse Purkinje cells and related motor behavior changes
Sekar Revathi	(Ph.D.)	10-13	Secretin and lipid homeostasis
Ng, Stephanie YL	(M.Phil.)	08-10	Identification of VIP, PACAP and their receptors in agnathans: insights into the ancestral origin of the ligands and receptors
	(Ph.D.)	11-14	Establishing the relationship between secretin and ANGII receptors in water homeostasis

Ranjithkumar Vijayalakshmi	(Ph.D.)	10-14	Secretin - Structure Activity Relationship studies
Chen, Yiqi	(Ph.D.)	13-15	Secretin and secretin receptor participate in the cardiac hypertrophy in spontaneously hypertensive rat
Ng, Kwok Him Hans	(Ph.D.)	11-16	Dimerization of secretin and vasopressin receptors
Zaw, Aung Moe	(Ph.D.)	12-17	Secretin and blood pressure
Bai, Juan	(Ph.D.)	12-17	Secretin and salt homeostasis
On, Sai Wun	(Ph.D.)	13-17	The presence of PTH-like receptors in amphioxus provides insight into the expansion of class B GPCR in the vertebrate lineage
Wang, Lei	(Ph.D.)	13-17	The effect of secretin on Purkinje cells: neural developmental and electrophysiological studies

M.Phil.

Chan, Koon Wing	(M.Phil.)	93-96	Molecular cloning and functional characterization of a goldfish growth hormone releasing hormone receptor
Shea, William LC	(M.Phil.)	93-97	Molecular cloning and functional characterization of a goldfish pituitary adenylate cyclase activating polypeptide receptor
Mok, Pui Yee	(M.Phil.)	94-97	Molecular cloning and functional characterization of a goldfish glucagon-like receptor
Fong, Shi Ming	(M.Phil.)	95-98	Characterization of the human secretin receptor gene
Tse, Lai Yin	(M.Phil.)	97-99	Identification of a novel PHI receptor in goldfish <i>carassius auratus</i> : implications of conservation of PHI structure in vertebrates
Ho, Po Ki	(M.Phil.)	97-99	Transcriptional regulation of the human secretin receptor gene expression

Kee, Francis SS	(M.Phil.)	98-00	Aspartic acid scanning mutation analysis of a receptor isolated from goldfish specific to the growth hormone releasing hormone salmon-like peptides
Lam, David TW	(M.Phil.)	98-00	Structural organization, transcriptional regulation and chromosomal localization of the human secretin gene
Kwok, Yuen Yuen	(M.Phil.)	02-04	Cloning and characterization of PAC1 receptor splice variants in goldfish (<i>Carassius auratus</i>)
Au, Ruby YK	(M.Phil.)	02-04	Study of PACAP and NGF signal transduction pathways in regulating serpin gene expression in PC12 cells
Ho, Sara SN	(M.Phil.)	03-05	Synaptic modulation by 5-hydroxytryptamine in the rat paraventricular nucleus
Leung, Francis KY	(M.Phil.)	03-05	Involvement of retinoic acid receptors and NF- κ B in the transcriptional regulation of human GnRH-II gene
Lau, Kwan Wa	(M. Phil.)	07-10	Cloning and characterization of the first amphibian secretins and secretin receptor : Functional implication of secretin with orexin in amphibians
Wong, Kari Ka Yan	(M. Phil.)	08-11	The functional interaction of mouse secretin and angiotensin II receptors
Tam, Chin Pang Ivan	(M. Phil.)	11-13	The Role of Secretin in Regulating Aldosterone synthesis and Renal Sodium reabsorption

Current students

A. Aloysius Wilfred Raj	(Ph.D.)	13-now	Project Structural Analysis of the Human Secretin Receptor
Kailash Singh	(Ph.D.)	14-now	Class B GPCR structural analysis
Shen, Hong	(Ph.D.)	15-now	Brain-gut Peptides and Receptors

Mak, Oi Kwan	(Ph.D.)	15-now	Endocrinology
Duraisamy Karthi	(Ph.D.)	16-now	Role of Endozepines System in Neuroprotection: Identification of a new target
Zhang Fengwei	(Ph.D.)	17-now	Electrophysiological Studies on Subforminal Organ Neurons in Response to Secretin

Undergraduate teaching

SET score in the past 3 years 77.1 (total student 2429) department's average: 76.3.

The Student Evaluation (SET) score clearly indicates that my undergraduate teaching is highly regarded by students and is well above the average of my department.

Primary Teaching Responsibilities:

2017/2018

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Practicals		
From molecules to cells A	9	0	239	75.5
From molecules to cells B	9	0	192	78.7
Molecular Biology	12	36	113	57.4
Biological Sciences Lab A	8	15	50	81.3
Biological Sciences Lab B	8	15	60	83.3
Biological Sciences Lab C	8	15	56	82.1
Biological Sciences Lab D	8	15	63	77.1
Biological Sciences Lab E	8	15	64	94.4
Endocrinology: human physiology II	16	10	34	78.1

Department's average: 77.9

2016/2017

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Practicals		
From molecules to cells A	9	0	254	68.6
From molecules to cells B	9	0	183	80.8
Molecular Biology	12	36	118	72
Biological Sciences Lab A	8	15	48	68.8
Biological Sciences Lab B	8	15	62	69.2
Biological Sciences Lab C	8	15	35	75
Biological Sciences Lab D	8	15	63	81.3

Biological Sciences Lab E	8	15	65	88.6
Endocrinology: human physiology II	16	10	13	83.3

Department's average: 76.6

2015/2016

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Practicals		
From molecules to cells A	9	0	200	74.6
From molecules to cells B	9	0	123	75.8
Molecular Biology	12	36	111	66.7
Biological Sciences Lab A	8	15	50	66.7
Biological Sciences Lab B	8	15	63	70
Biological Sciences Lab C	8	15	44	87.5
Biological Sciences Lab D	8	15	56	77.6
Biological Sciences Lab E	8	15	58	80.4
Endocrinology: human physiology II	16	10	12	87.5

Department's average: 74.5

2014/2015

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Practicals		
From molecules to cells A	9	0	226	71.6
From molecules to cells B	9	0	141	77.8
Molecular Biology A	12	36	104	79.7
Biological Sciences Lab B	8	15	52	75
Biological Sciences Lab C	8	15	53	75
Biological Sciences Lab D	8	15	65	77.6
Biological Sciences Lab E	8	15	62	76.8

Department's average: 76.2

2013/2014

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Tutorials /practicals		
From molecules to cells A	9	0	229	75.3
Molecular Biology A	12	8+36	67	77.3
Biological Sciences Lab A	8	2+30	86	77.1
Biological Sciences Lab B	8	2+30	48	71.7
Biological Sciences Lab C & D	8	2+30	127	74.5
Endocrinology: human physiology II	8	0+12	30	81.8

From molecules to cells B	9	0	158	74.5
Department's average: 74.3				

2012/2013

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Tutorials /practicals		
From molecules to cells	9	0	231	72.6
Molecular Biology A	12	8+36	26	75.0
Molecular Biology B	12	8+18	23	78.6
Biological Sciences Lab	8	2+30	94	73.1

Department's average: 73.2

2011/2012

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Tutorials /practicals		
Endocrinology	12	12+12	19	77.6
Molecular Biology A	12	8+36	67	78.6
Molecular Biology B	12	8+18	24	83.8
Biological Sciences Lab	8	2+30	86	72.4

Department's average: 73.4

2010/2011

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Tutorials /practicals		
Endocrinology	12	12+12	22	76.5
Molecular Biology A	12	8+36	77	75.0
Molecular Biology B	12	8+18	20	75.0
Biological Sciences Lab	8	2+30	108	73.1

Department's average: 72.1

2009/2010

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Tutorials /practicals		
Endocrinology	12	12+12	45	77.7

Introduction to Molecular BiologyA	12	8+36	89	75.7
Introduction to Molecular BiologyB	12	8+18	24	77.3
Biological Sciences	6	30	111	70

Department's average: 70.4

2008/2009

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Tutorials /practicals		
Endocrinology	12	12+12	25	81
Introduction to Molecular BiologyA	12	8+36	95	71.1
Introduction to Molecular BiologyB	12	8+18	26	73.9
Biological Techniques	16	6+21	33	73.3

Department's average: 65

2007/2008

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Tutorials /practicals		
Endocrinology	12	12+12	27	74
Introduction to Molecular BiologyA	12	8+36	119	66.5
Introduction to Molecular BiologyB	12	8+18	28	71.9
Biological Techniques	16	6+21	33	81.5

Department's average: 63.5

2006/2007

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Tutorials/practicals		
Endocrinology	14	12+12	21	86.8
Introduction to Molecular BiologyA	12	8+36	145	57.8
Introduction to Molecular BiologyB	12	8+18	38	70.5
Biological Techniques	16	6+56	102	73.7

Department's average: 63.25

2005/2006

Name of course(s)	Contact hours	Number of students enrolled	SET score

	Lectures	Tutorials/practicals		
Endocrinology	14	12+12	22	83.8
Applied Genetic Engineering	8	8+12	54	65.0
Introduction to Molecular Biology	8	8+36	120	66.4
Biological Techniques	16	6+56	119	83.8

Department's average: 59.6

2004/2005

Name of course(s)	Contact hours		Number of students enrolled	SET score
	Lectures	Tutorials/practicals		
Endocrinology	14	12+12	14	80.4
Applied Genetic Engineering	8	8+12	59	67.5
Introduction to Molecular Biology	8	8+36	96	69.7
Biological Techniques	16	6+56	120	69.7

Department's average: 60.6

Course descriptions:

Biological Sciences: (Biol 2103 : year 1, student number 270)

From Molecules to Cells: (Biol 1110: year 1, student number 430)

Molecular Biology: (Biol 3401: year 2, student number 100-120)

Endocrinology: human physiology II (Biol 3503: year 2/3, student number 15-20).

A statement on teaching contributions:

The major difficulty in teaching modern biology, particularly topics related to genetic engineering and molecular biology, is the technical terms and background knowledge required for understanding the exciting development in these areas. In curriculum design, I always try to have all my lectures having a specific theme. For example, although I am teaching many topics in the molecular biology course, I will organize my materials under the theme “regulation of gene expression”. Similarly, when I prepare my lectures for “Biological techniques”, I will have the theme of “preparation of proteins from tissues”. By doing this, my students could be more focused and can follow lecture materials much more easily.

I always ask myself “is it too much to expect to have a class where a majority of students will learn the most difficult concepts?” It is always good to have hard working students who prepare themselves before joining you to explore the bliss of science in the class, and I always enjoy teaching such students. While, the most challenging task for a teacher, in fact, is to make and convert students who do not care so much about studying into someone who is enthusiastic about your topic of lectures. In addition to lecture materials, I have always tried my best to interact and talk to students. A rewarding aspect of teaching is the opportunity to learn from the students. I have to admit that I have learnt to be a better teacher from my students through their questions, observations and comments, just as they have learnt from me through the laboratory sessions, lectures and tutorials. This is clearly shown in the SET scores. I hope that through my contacts with young and talented minds, my own mind and those I teach will be kept vibrant and youthful.

My future teaching objectives are to develop new teaching areas to fit the 3:3:4 curriculums, I will adjust and convert myself to teaching first year and second year courses. I will also participate actively in the curriculum design to meet the challenge of the drastic transformation in tertiary education of Hong Kong.

Administration

I rank my services/administration excellent based on my contributions as the 1) Master of the Graduate House, 2) as the coordinator/convenor of the endocrinology strategic research theme, and 3) chairman and/or committee member particularly in committee related to research and curriculum development.

Master: Graduate House (2009-now)

The Graduate House consists of the residential and non-residential block. The Master is responsible for maintenance of good order in the House; provision of pastoral care and intellectual guidance to residents which include: caring for the welfare of all residents; creation and maintenance of conditions conducive to intellectual, social, and cultural development of all residents; and the encouragement of a sense of community among all residents and other graduate students of the University; handling disciplinary matters. The Master is also responsible for managing the conference center, offices, restaurant, and student amenity center within the non-residential block of the Graduate House.

School of Biological Sciences

Chairman, Curriculum development and teaching committee, School of Biological Sciences. (2007-2010)

Chairman, Curriculum development committee, School of Biological Sciences (2007-2010).

Convenor and Coordinator, Endocrinology, School of Biological Sciences (2005-now)

Representative, School of Biological Sciences, RGC visit 2008.

Faculty of Science

Associate Dean, Development and External Relations (local) (2017 to now).

Faculty Research Committee (Science; 05 to now)

Committee on the use of live animals in teaching and research: Sep 00 to 06.

Committee on discontinuation: July 01 to 06.

Faculty review committee for M.Phil/Ph.D candidates (1995 to now)

Radiation Protection Committee: July 01 to 06.

Thesis examination committee: since joining the university.

Panel of oral chairperson: since joining the university.

Faculty board, Science: since joining the university.

University

Committee on Catering, The Vice-Chairman, appointed by the Senate for two years at a time
27/09/2016 - 27/09/2018