

## CURRICULUM VITAE

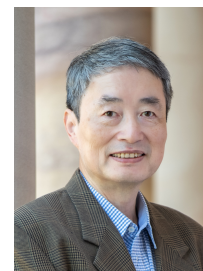
1) **Name:** Chen Chen M.D., MSc., Ph.D., F.Q.A., F.I.E.T.I.

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6) **Web site:** <https://biomedical-sciences.uq.edu.au/profile/972/chen-chen>

### 7) **Academic study record, Academic fellowship, and Academician fellowship:**

Feb. 1978--Dec. 1982. School of Medicine, Fudan University (original **Shanghai Medical University**), Shanghai, P. R. China. **MD or (MBBS in Australia)**

Feb. 1983--Oct. 1986. Postgraduate student for **Master of Physiology** degree at the Department of Physiology, Institute of Basic Medical Sciences, **Peking Union Medical College (PUMC)** and **Chinese Academy of Medical Sciences**, Beijing, P. R. China. **MSci**

Oct. 1986--Oct. 1989. Postdoctoral (Medical Doctor) fellowship supported by the "Foundation pour la Recherche Medicale and INSERM" and postgraduate student for "Doctorat en Sciences" (French national **Ph.D.**) in the **University de Bordeaux II**, Bordeaux, France. **PhD**

Oct. 1989--Jun. 1991. Research Associate and **Postdoctoral Research Fellow** at the Department of Analytical Pharmacology, Glaxo Inc. Research Institute, North Carolina, U.S.A.

Oct. 2005--Mar. 2006. Business School, Monash University, **Certificate of Business Management**, Monash University, Melbourne, Australia

April 2022-- Queensland Academy of Arts and Sciences, **Fellow (Academician) of Queensland Academy (FQA)**, Brisbane, Australia

Oct. 2023-- International Engineering and Technology Institute (IETI), **Fellow (Academician) of IETI (International Engineering and Technology Institute)**

Apr. 2025-- **Fellow of the Academy of Physiology, International Union of Physiological Sciences (IUPS)**

### 8) **Previous held positions:**

Dec. 1982-Oct. 1986: Physiology, Peking Union Medical College, Beijing, China; **Lecturer**

Oct. 1986-Oct. 1989: INSERM-U. 176, Bordeaux, France; French Medical Foundation **Postdoctoral Fellow**

Oct. 1989-Jun. 1991: Glaxo Inc., Research Triangle Park, NC, USA; **Research Fellow**

Jun. 1991-Dec. 2007: Prince Henry's Institute and Monash University, Melbourne, Australia; **Principal Research Fellow (NHMRC), Head of Endocrine Cell Biology**

Jan. 2008-Dec. 2013: **Principal Research Fellow (NHMRC), Head of Endocrinology & Metabolism**, School of Biomedical School, UQ, Brisbane, Australia

### 9) **Current position:**

**Professor and Chair of Endocrinology (Tenured), SBMS, Faculty of Medicine, University of Queensland, Brisbane, Australia**

### **Academician and Academic Fellowship:**

**Fellow of QAAS (FQA) Queensland Academy of Arts and Sciences**

**Fellow of IETI (FIETI) International Engineering and Technology Institute**

**Fellow of Academy of Physiology, International Union of Physiological Sciences (IUPS)**

2025

### **Honorary titles:**

**Honorary Life Member of Endocrine Society of Australia, Australia**

Honorary Professor of Endocrinology, Beijing Hospital, Beijing, China  
Honorary Professorial Research Fellow, Tong-Ren Hospital, CMU, Beijing, China  
Honorary Professorial Fellow, Guangzhou Institute for Biomedicine and Health, CAS, China  
Honorary Professor, South-western Medical University 2<sup>nd</sup> Hospital, Luzhou, China  
Honorary Professorial Investigator, Institute of Ageing Research, Hang Zhou, China  
Honorary Professor, IBMS-PUMC, Chinese Academy of Medical Sciences, Beijing, China  
Affiliated Professor, Queensland Brain Institute, Brisbane, Australia  
Affiliated Professor (title holder), Griffith University Medicine, Gold Coast, Australia  
Visiting Professor, Dept. Pharmacology, University of Alberta, Edmonton, Canada (1999)  
Honorary Professor, Fourth Medical University, Xi'an, China (since 1996)  
Honorary Professor, Xiangya, China Central South University Changsha, China (since 1998)  
Honorary Professor, Xi'an Jiaotong University Medical School, Xian, China (since 1999)  
Honorary Professor, Guilin Medical University, Guilin, China (since 2001)  
Honorary Professor, Physiology, Monash University, Melbourne, Australia (since 1999)  
Senior Research Fellow, Dept of Surgery, University of Melbourne, Australia (till 2012)  
Visiting Professor, Dept of Physiology, Wuhan Huazhong University, China (2012-2013)  
Visiting Professor, Xi'an Medical University, Xian, Shaanxi Province, China (2016)  
Honorary Professor, Jiangxi University of Traditional Chinese Medicine, China (since 2019)

#### **10) Administration:**

**Board Member, Academic Board of The University of Queensland, UQ (2017-2021)**  
**Member of Student Experience Committee, UQ Board, UQ (2020-2021)**  
Representative of SBMS, Medical Student Committee, Faculty of Medicine (2019- )  
**Director International, Faculty of Medicine, UQ (2015-)**  
Chair of International Committee, Faculty of Medicine, UQ (2015-2016)  
Executive member, Faculty of Medicine, UQ (2015-2016)  
Director of CSC Postgraduate Program, School of Biomedical Sciences (SBMS), UQ  
**Member of Research Committee, UQ Academic Board, UQ (2018-2019)**  
**Member of Executive Committee, SBMS, UQ**  
Board member, Policy and Strategy Committee, University of Queensland (till 2011)  
China Reference Group, University of Queensland (till 2011)  
Member of International Student Enrolment Group, University of Queensland (2010)  
Chair of International Committee, Faculty of Science, University of Queensland (2008-2010)  
Member of High Research Degree (HRD) Committee, SBMS, Medicine (2016-)

#### **11) Professional Membership:**

Council Member of Australian Physiological and Pharmacological Society (now Australian Physiological Society, AuPS, 2004-2006).  
Council Member of Endocrine Society of Australia (ESA), 2010-  
**Honorary Life Membership of ESA, elected 2021 --**  
Vice-President and Executive Committee member of Australia Chinese Association of Biomedical Scientists (ACABS).  
Vice-President and Executive Committee member of the Federation of Chinese Scholars in Australia (FOCSA)  
Vice-President and Executive Committee member of the Queensland Chinese Association of Scientists and Engineers (QCASE)  
Board Member, AustraliAsia Academy of Anti-ageing Medicine, Melbourne, Australia, 2011-  
Scientific Advisor, Anti-ageing Medicine Asian, Singapore, 2013-  
Chair of Award Committee of American Physiological Society TPR, USA, 2013-2016  
Member of Senior Expert Committee of the All-China Federation of Returned Overseas Chinese (SECA) 2026-2031

Member of:

Endocrine Society of Australia (ESA);  
International Society for Neurochemistry (ISN);  
Society for Neuroscience (SFN), USA;  
Australian Physiological Society (AuPS);  
American Physiological Society (APS), USA;  
US Endocrine Society (US Endo), USA;

**12) Recent conference organizing activities:**

- Organizer of Australian Chinese Biomedical Researcher network function 2024
- Member of Organizing Committee, International Symposium of Biomedical Sciences, SBMS, UQ, Australia 2018
- Vice president and Member of Executive Organizing Committee, Australia-China Conference of Biomedical Sciences, Xi'an Jiaotong University, China 2017
- Member of Organizing Committee, International Symposium of Biomedical Sciences, SBMS, UQ, Australia 2017
- Organizer of Australia-China Forum for Science and Technology Collaborations on Health and Medicine by the Ministries of Science and Technology of China and Queensland Australia, Brisbane, November 2016
- Member of Organizing Committee, International Symposium of Biomedical Sciences, SBMS, UQ, Australia 2016, 2015
- Vice president and member of Organizing Committee, Australia-China Conference of Biomedical Sciences, Melbourne, Australia 2015
- Scientific Seminar Program Committee, Endocrine Society of Australia, Adelaide 2015
- Organizing Committee member of International Graduate Symposium, SBMS, UQ 2015
- Organizing Committee member of International Conference of Neuroendocrinology, Sydney, Australian 2014
- Scientific Committee member of Anti-Ageing Medicine Asian Conference (AMAC), Singapore, 2014
- Chair of Symposium, International Congress of Endocrinology, Chicago, USA 2014
- Chair of Symposium, International Conference of Neuroendocrinology, Sydney, Australia 2014
- Chair of Neuroendocrine Symposium at ESA conference, Sydney, 2013
- Vice Chairman of 4<sup>th</sup> Australia-China Biomedical Research Conference, Hangzhou, China, 2013
- Chair, Symposium "Releasing pattern of pituitary hormones", Australian Physiological Society, Geelong, Melbourne 2013
- Organizing Committee member of Australian Endocrine Society Annual Scientific Symposium 2013, Gold Coast, 2013
- Chair and organizer, Symposium in Australia Health and Medical Research Conference 2012, Adelaide, Australia 2012
- Organizing Committee Member, International Conference of Anti-Ageing Medicine, Melbourne, Australia 2012
- Scientific Committee member, 3<sup>rd</sup> Australia-China Conference of Biomedical Research, Melbourne, Australia, 2011
- Scientific Committee Member, International Conference of Anti-Ageing Medicine, Melbourne, Australia, 2011
- Section Chair, US Endocrine Society Annual Conference, Boston, USA, 2011
- Section Chair, ESA Annual Conference, Perth, Australia, 2011
- Chair of symposium, AuPS conference, Adelaide, Australia, 2010
- Chair and Committee Member, SBMS-Chinese Academy of Science Shanghai Symposium, Brisbane, Australia, 2010
- Executive Committee member, 2<sup>nd</sup> Australia-China Conference of Biomedical Research, Tianjin, China, April 2009
- Chair of Australian Physiological Society Conference Symposium, Melbourne, Dec 2008
- Executive Committee member, Five-nation (Australia, Canada, UK, USA, China) Physiological Conference, Beijing, China, October 2008
- Chair of Australian Physiological Society Conference Symposium, Newcastle, 2007
- Chairman of Scientific Committee: First Australia-China Conference of Biomedical Research, Melbourne, Feb. 2007
- Co-Chair of First Australia-China Conference of Biomedical Research, Melbourne, Feb. 2007
- Chair of Symposium: International Society for Neurochemistry Conference, Singapore, July 2006
- Chair of Symposium: International Conference of Pathophysiology, Beijing, June 2006
- Chair of Symposium: Australian Physiological Society Conference, AHMRC, Sydney, 2005

Chair of sections in international and national conferences in more than 15 occasions from 1995-2004.

**13) Editorial and Review duties:**

**Editor-in-Chief, *Frontier in Endocrinology – Translational Endocrinology*, 2024-  
Guest Editor of special issues in 2022-:**

**Frontier in Genetics:** “Epigenetic Mechanisms and Epigenetic-based Therapies in  
Cardiometabolic and Vascular Disease”

**Oxidative Medicine and Cellular Longevity:** “Oxidative Stress and Epigenetics in  
Vascular Aging: From Basic to Clinical Research”

**Frontier in Endocrinology:** “*Free Fatty Acid Receptors in Metabolic Regulation*”

**Faculty of Scientific Council/Society:** Member of NHMRC Research Translation Faculty  
and Member of Diabetes Group (2013-2015); Member of New Zealand HRC Academy  
of Experts (2012-2015)

**Editorial board member:**

Review Editor in *Frontiers in Cell and Developmental Biology – Stem Cell Research*  
Editor of “*Endocrinology* (2009-2011)”, “*Molecular and Cellular Endocrinology*”,  
“*Endocrine* (2006-2015)”, “*Current Drug Target*”, “*Clinic and Experimental*  
*Pharmacology and Physiology*”, “*Medicinal Chemistry Review*”, “*Medicinal*  
*Chemistry*”, “*Journal of Cardiothoracic-Renal Research*”, “*BMC Physiology*”, “*Frontier*  
*Genomic Endocrinology*”, “*Journal of Hypo & Hyperglycaemia*”, “*Endocrinology &*  
*Metabolic Syndrome*”, “*Physiological Reports*”

**Advisory board member:** “*Acta Physiologica Sinica*”, “*Journal of Xian Jiaotong University*  
(*Medical Sciences*)”, *Current Medicinal Chemistry* “*Signalling in cancer drug*  
*resistance*” 2013-4

**Regular referee for Journals:** *Lancet*, *Nature Medicine*, *British J Pharmacol*, *JBC*, *J*  
*Physiol*, *Am J Physiol*, *Endocrinology*, *PNAS USA*, *J Endocrinol*, *Neuroendocrinology*,  
*J Neuroendocrinol*, *J Clin Endocrinol Metab*, *Neuroscience*, *J Neurosci*, *Brain Res*, *Life*  
*Sci*, etc.

**Referee for funding agents:** NHMRC, ARC, US Growth Foundation, Wellcome Trust, New  
Zealand HRC, Singapore NMRC, etc. **Australian NHMRC Grant Review Panel**  
**member 2009, 2011, 2013, 2014, 2016; New Zealand HRC Academy of Experts;**  
New Zealand HRC Grant Review Committee member 2011, 2012, 2013, 2014, 2016;  
New Zealand HRC Program Grant Review Committee member 2012; China 1000  
Talent Scientists Program Invited Review Committee Member 2010, 2011, 2012

**14) Impact to the community (in addition to conference organizing and journal referees above):**

1. My early research on ion channels and intracellular molecular signal system in pituitary endocrine cells was highlighted in French and European Neuroendocrinology Society newsletter with detailed interview in 1989.
2. I was awarded Endocrine Society of Australia best publication award in 1992 of functional study of potassium channels in pituitary somatotrophs and invited for a conference speech to introduce it to all members of endocrine society.
3. My research has been constantly recommended by journals (*Endocrinology*, *J Endocrinology*, *Neuroendocrinology*, etc.), particularly for our breakthrough or clinic relevant work on GH, LH mouse profile assay techniques, feeding regulation on pituitary hormones, and hormones in obesity and diabetes. Such comments by the Editor helped spreading our discovery to the community.
4. Our recent work on SGLT2 inhibitor (2022, *J Endo*) in the treatment of obese infertility triggered a Press Release by the *Journal of Endocrinology* (UK) after radio interviews and News release by the UQ Medicine with local radio interview.
5. I have been invited to give public lectures on diabetes to Brisbane Chinese Association in 2021 to provide current development of diabetes treatment.
6. I have been invited to publish our laboratory in the *International Innovation*, a Journal to introduce my laboratory to scientific community in the world (supported by WHO etc.), *International Innovation*, August 2012, 107-109.
7. I have been invited as a professional guest of SBS (Australian National Multicultural Broadcast TV Station) program discussing Gestational Diabetes in Asian and Chinese population in Australia, 2024.

**15) Competitive Research Supports and Awards (from 1983 - ):**

1. Chinese National Postgraduate Scholarship, Beijing, China; 1983-1986.
2. Travel award from the *Symposium of Cardiovascular Regulation in China* for excellent young scientists to attend the symposium, Fujian, China, 1984.
3. Award to excellent young physiologist in China to attend and give a lecture at the *Conference of Chinese Physiological Society*, Sichuan, China, 1985.
4. **"Foundation pour la Recherche Medicale" or Medical Research Foundation Postdoctoral Fellowship Award, Paris, France; 1986-1988.**
5. Research Support from "Institut National de la Sante et de la Recherche Medicale" (INSERM), Unit 176, Bordeaux, France, 1988-1989.
6. Postdoctoral Research Fellowship at Glaxo Inc., Research Triangle Park, North Carolina, USA; 1989-1991.
7. **Australian National Health and Medical Research Council (NH & MRC) research project grant (# 920245), Commonwealth of Australia, Canberra, Australia; 1992-1994 (Principal investigator).**
8. GHRP Research Project Fund, Kaken pharmaceutical company, Tokyo; Japan, 1992-1993 (C. Chen, Principal investigator).
9. **Eli Lilly Growth Research Award, Eli Lilly, West Ryde, NSW, Australia; 1992.**
10. Travel Award from Australian Society of Physiology and Pharmacology and Endocrine Society of Australia for giving a lecture in the Symposium "Ion Channels and Patch-Clamping", Canberra, Australia, February 1993.
11. Travel Award from International Society of Neurochemistry for attending the First School of Neurochemistry, Montpellier, France, and August 1993.
12. Travel Award from the Ian Potter Foundation for attending the 14th Biennial Meeting of the International Society for Neurochemistry, Montpellier, France, and August 1993.
13. Travel Award from the Hong Kong Chinese University for giving a talk at the Department of Pharmacology, Hong Kong, 1994.
14. Travel Award from Singapore Neuroscience Society for giving a talk at the Asia-Pacific Colloquium in Neuroscience, Singapore, 1994.
15. Travel Award from Europeptide for giving a talk at the Asia-Pacific Colloquium in Neuroscience, Singapore, 1994.
16. **Servier Award for best scientific paper from The Endocrine Society of Australia, 1994.**
17. **The William Buckland Foundation support to a research project 'Molecular mechanism of hormone secretion', 1994.**
18. Travel Award from The Serono Symposium on GH Secretagogues, USA, 1994.
19. **Research Grant for 1995 from the Prince Henry's Specialist Foundation, Melbourne, 1995.**
20. Travel Award from the Prince Henry's Specialist Foundation to attend The Serono Symposium in USA, 1994.
21. **Australian National Health and Medical Research Council (NH & MRC) research project grant (5-year Research Fellowship Grant), Commonwealth of Australia, Canberra, Australia; 1996-2000 (C. Chen, Principal investigator).**
22. Travel Award from the International Endocrine Society (IES) to attend the Conference of IES in USA, 1996.
23. Equipment Grant from the Prince Henry's Whole-time Specialist Foundation, Melbourne, 1996.
24. Travel Award from the Merck Research Laboratories, Rahway, USA, 1996.
25. Travel Award from The 2nd International Symposium on GH Secretagogues, Tampa, USA, 1997.
26. Equipment Grant from the R.L. Cooper Medical Research Foundation, Sydney, Australia, 1997.
27. **Aza Research Project Grant from Aza Research Pty. Ltd, 1998-1999, (C. Chen, Principal investigator).**
28. **Human Growth Foundation Project Grant, USA, 1998-1999, (C. Chen, Principal investigator).**
29. Travel Award from the Ian Potter Foundation for attending the 11th Asia-Oceania Congress of Endocrinology, Seoul, Korea, 1998.
30. Alberta Heritage Foundation Visiting Professor Award, Edmonton, Canada, 1998.
31. **Australian National Health and Medical Research Council (NH & MRC) research project grant (Research Fellowship Grant), Commonwealth of Australia, Canberra, Australia; 1/1/1999-31/12/2003. GNT 990385; \$506,977**
32. **Australian National Health and Medical Research Council (NH & MRC) research project grant (Research Fellowship Grant), Commonwealth of Australia, Canberra, Australia; 1/1/2001-31/12/2004. GNT 143802; \$411,043**

33. Travel Award from The 3rd International Symposium on GH Secretagogues, Colorado, USA, 2000.
34. Invited delegate of the '100 Overseas Chinese PhDs' to attend the official celebration of the 50<sup>th</sup> Anniversary of PR China by Chinese State Department.
35. Australian National Health and Medical Research Council (NH & MRC) research project grant, Commonwealth of Australia, Canberra, Australia; 1/1/2001-31/12/2003 (GNT 169005; C. Chen, Principal investigator).
36. National Natural Science Foundation of China research project grant, Beijing, China; 2001-2004 (C. Chen, Principal investigator).
37. Travel Award by the International Conference of Membrane Biology to give a Conference lecture, Beihai, 2003.
38. Australian National Health and Medical Research Council (NH & MRC) research project grant on Growth Hormone Regulation, Commonwealth of Australia, Canberra, Australia; 1/1/2004-31/12/2006 (GNT 289311; C. Chen, Principal investigator).
39. Eli Lilly Endocrinology Research Award, Eli Lilly, West Ryde, NSW, Australia; 2004.
40. Australian National Health and Medical Research Council (NH & MRC) research project grant on Pancreatic Beta-cell Dysfunction, Commonwealth of Australia, Canberra, Australia; 1/1/2005-31/12/2007 (GNT 334347; C. Chen, Principal investigator).
41. Australian National Health and Medical Research Council (to C Chen) Senior Research Fellowship Package Grant, Commonwealth of Australia, Canberra, Australia; 2005-2009.
42. Delegate of Chun Hui Program Experts invited by Chinese Ministry of Education, People's Republic of China, 2005, 2006
43. Australian Research Council (ARC) research project grant (to IJ Clarke and C Chen) on pituitary cells during different metabolic conditions in sheep, Commonwealth of Australia, Canberra, Australia; 2006-2008.
44. Eli Lilly Endocrinology award to C Chen on type 2 diabetes research, Australia 2007
45. Chunhui project grant by Chinese Ministry of Science and Education to C Chen and WJ Zang on cardiovascular research, Xian, China 2006-2007
46. Chunhui project grant by Chinese Ministry of Science and Education to C Chen on signaling in degenerative diseases research, Guilin, China 2007-2008
47. Australian National Health and Medical Research Council (NH & MRC) research project grant on cardiovascular research into chronic heart failure, Commonwealth of Australia, Canberra, Australia; 1/1/2007-31/12/2009 (GNT441113; C. Chen, Principal investigator). ≈ \$500,000
48. Australian National Health and Medical Research Council (to C Chen) Principal Research Fellowship Package Grant, Commonwealth of Australia, Canberra, Australia; 1/1/2008-31/12/2013. ID: 494825 ≈ \$1,100,000
49. Australia-China Special Fund for S&T Cooperation Research Grant, Australian Government, Department of Innovation, Industry, Science and Research; 2010-2012 (C Chen, Principal Investigator). ≈ \$300,000
50. Queensland International Fellow, Queensland State Government; 2010-2011 (C Chen)
51. UQ-Otago Collaborative Grant, Universities of Queensland and Otago, 2011-2012 (C Chen, CIA; A. Herbison, CIB). ≈ \$30,000
52. UQ-Otago Collaborative Grant, Universities of Queensland and Otago, 2012-2013 (C Chen, CIA; D. Grattan, CIB). ≈ \$30,000
53. Australian National Health and Medical Research Council (NH & MRC) research project grant on GH research, Commonwealth of Australia, Canberra, Australia; 1/1/2012-31/12/2014 (GNT1029178; C. Chen, CIA, M. Waters, CIB). ≈ \$500,000
54. Australian NHMRC and UQ Major Equipment and Infrastructural Grant to set up Small Animal Genotyping Centre, Australia; 2011-2012 (C. Chen, CIA). ≈ \$810,000
55. Queensland-Chinese Academy of Science Biotechnology Project Grant to study iPSCs in motor neuron diseases, Queensland State Government; 2012-2015 (QCAS 2012000705; C. Chen, CIA). ≈ \$250,000
56. Australian National Health and Medical Research Council (NH & MRC) research project grant on ghrelin and prostate cancer, Commonwealth of Australia, Canberra, Australia; 1/1/2014-31/12/2016 (GNT1059021; C. Chen, CIC). ≈ \$750,000
57. Collaborative project grant by Faculties of Medicine and Health, The University of Queensland, 2015-2016 (\$30,000, C Chen CIA).
58. NHMRC-NSFC collaborative project grant on diabetic retinopathy pathology, diagnosis, and treatment, Australia: 1/1/2016-31/12/2022 (GNT1113494; C. Chen, CIA) \$680,000

59. International collaborative grant by Faculty of Medicine, The University of Queensland, 2016 (\$5,000, C Chen).
60. Seeding grant on cancer biology (2017), anti-diabetic peptides, SBMS, UQ (2019)(\$5000 to Chen)
61. **Queensland-Chinese Academy of Science Collaborative Science Fund – Nuclear Receptors in Metabolic Diseases, 6/2025-6/2027 (QCAS0192023; C. Chen CIA, Y. Xu CIB) \$474,833**
62. **Special research program (double hundreds) by international experts funded by Shandong Province, China – Human GH pulsatile profiles in metabolic disorders, 2025-2027 (ID: WSR2024034; C. Chen CIA, L Gao, CIB) RMB 2,000,000**

**16) Invited presentations at National and International Conferences (from 1984 -):**

1. "Influences of the stimulation of the peripheral end of abdominal vagus on 5-HT concentration in blood of mesenteric vein." Invited speaker at the *Symposium of Cardiovascular Regulation, China*, 1984.
2. "A further study on the mechanism of pressure response induced by the stimulation of the central end of abdominal vagus in cats." Invited lecture by young physiologist at the *Conference of Chinese Physiological Society. Proceeding of Chinese Physiological Society*, China, 1985.
3. "Electrical properties of lactotrophs and somatotrophs: their involvement in hormone release." Invited speaker at *Conference INSERM, The Anterior Pituitary Gland: Fundamental and Pathological Aspects, Paris*, 1987.
4. "Ionic voltage-dependent channels in normal rat gonadotroph cells in primary culture: possible involvement in gonadotropin release." Invited speaker at *XVIIIeme Colloque de la Societe de Neuroendocrinologie Experimentale*, France, 1988.
5. "Evidence of lactotroph-heterogeneity from lactating rat lactotrophs in vitro." Invited presentation to the *Workshop: "How do we listen to prolactin cells?" in Brussels, Belgium*, 1988.
6. "Voltage-dependent calcium currents in identified rat somatotrophs and the modification by somatostatin." Invited presentation to the *International Symposium on Somatostatin. Montreal, Canada*, 1989.
7. Ionic currents in the regulation of stimulating/secretion coupling in somatotrophs." Invited lecture for the *International Meeting on Regulation of Somatic Growth, Lugo (Spain)*, 1991.
8. "Patch clamp analysis of growth hormone-releasing factor (1-44) effects in human growth hormone secreting cells in culture." Speaker at *22nd Annual Meeting of Society for Neuroscience, Anaheim, California (USA)*, 1992.
9. "Membrane electrical properties of somatotrophs and their modifications by growth hormone releasing factor and somatostatin." Invited lecturer at the *Symposium "Ion channels and patch clamping" organised by Australian Society of Physiology and Pharmacology and Endocrine Society of Australia, John Curtin School of Medical Research, Canberra, Australia*. 1993.
10. "Effects of growth hormone releasing factor (GRF) and growth hormone releasing peptide (GHRP) on membrane  $Ca^{2+}$  currents, intracellular  $Ca^{2+}$  ( $[Ca^{2+}]_i$ ) and growth hormone secretion in ovine somatotrophs." Oral presentation at the *14th International Society for Neurochemistry, Montpellier, France*, 1993.
11. "Ion channels in the regulation of growth hormone secretion". Invited speaker at the Asia-Pacific Colloquium in Neuroscience, Singapore, 1994.
12. "Voltage-dependent potassium currents in ovine somatotrophs and their function in growth hormone secretion". Invited lecture (Servier) at the annual meeting of the Endocrine Society of Australia, Brisbane, Australia, 1994.
13. "Modification of  $Ca^{2+}$  currents on pituitary somatotrophs by endogenous and synthetic regulatory peptides". Invited lecturer at the Curtin Conference: Structure and Function of Ion Channels, Canberra, 1995.
14. "Signalling in somatotrophs". Invited lecture at the Prince Henry's Institute Annual Scientific Symposium-Brain and Hormones, Melbourne, 1995.
15. "Role of G-proteins in somatostatin receptor signalling". Invited speaker at the Satellite meeting of the Endocrine Society of Australia, Sydney, 1996.
16. "Second messengers and growth hormone secretion". Invited lecture at the Australian Pharmacological and Physiological Society Symposium, Second Messengers, Melbourne, 1996
17. "A new approach to study signalling systems regulating ion channels". Invited lecture at the 1997 Curtin Conference, Structure and Function of Ion Channels, Canberra, 1997.
18. "Evidence for a new subtype of GHRP receptors in ovine pituitary gland". Invited symposium at the 2nd International Symposium on Growth Hormone Secretagogues, Tampa, USA, 1997.

19. "Introduction of a new technique of intracellular dialysis of antibodies and antisense oligonucleotides for the study of signalling systems". Invited lecture at the World Conference of Neurobiologists, Kunming, China, 1997.
20. "Modification of membrane K<sup>+</sup> channels by long-term treatment of ovine somatotrophs with synthetic GHRP-2". Invited speaker at the 1998 Curtin Conference, Canberra, 1998.
21. "Signal transduction and hormone secretion in pituitary endocrine cells". Invited **conference plenary lecture** at the 20<sup>th</sup> Chinese Society for Physiological Sciences, Lushan, China 1998.
22. "Recent progress in growth hormone research". Invited **conference plenary lecture** at the Annual Chinese Academy of Medical Sciences Conference, Beijing, China, 1998.
23. "Modulation of different ion channels by somatostatin through several subtypes of G-proteins - studies using intracellular dialysis of antibodies and antisense oligonucleotides". Invited symposium at 17<sup>th</sup> International Society of Neurochemistry Conference, Berlin, Germany, 1999.
24. "Diverse intracellular signalling systems in regulating ion channels". Invited symposium at the International Neuroscience Conference, Hefei, China, 2000.
25. "Signalling systems employed in the ion channel responses to GHRH". Invited symposium at the Curtin Conference, 2000.
26. "Effect of leptin on GHRH- and GHRP-receptor synthesis in ovine somatotropes in vitro". Invited 'Hot topic' speaker, 3<sup>rd</sup> International Symposium on Growth Hormone Secretagogues, Keystone Resort, Colorado, USA, 2000.
27. "Ion Channel and signalling in the regulation of GH secretion". Invited Symposium speaker. International Neuroendo 2000 Symposium, Coffs Harbour, Australia 2000
28. "Control of hormone secretion in pituitary gland". Invited **conference plenary lecture** at the Conference of Physiology, Nanjing, China, 2001.
29. "Regulation of somatotropes by metabolic hormones". Invited symposium speaker at the Conference of International Neuroendocrinology Society, Bristol, UK, 2002.
30. "Modification of somatotropes by orexin and ghrelin". 'Hot-topic' speech at the 4<sup>th</sup> International GHS Symposium, Florida, USA, 2002.
31. "Membrane ion channels in the exocytosis of neuroendocrine cells" **conference plenary lecture**, International Membrane Biology Conference, Beihai, China, 2003.
32. "Protective role of synthetic GHS on cardiac myocytes", 2<sup>nd</sup> International GH-IGF Symposium, Cairns, Australia, 2004.
33. "Effect of ghrelin outside of GH regulation", Australian Health and Medical Research Congress, Sydney, Australia, 2004.
34. "Intracellular signals in the regulation of growth hormone secretion from pituitary somatotropes", National Association of Research Fellows Annual Symposium, Sydney, Australia, 2004
35. "Positive inotropic and anti-apoptotic effects of GHS in rat cardiomyocytes in vitro and in vivo", Annual Scientific Meeting of the International Society for Heart Research, Perth, Australia, 2005
36. "Protective effect of growth hormone releasing peptides in chronic heart failure rats", Annual Scientific Meeting of Chinese Physiological Society – Cardiovascular section, **conference plenary lecture**, Zhangjiajie, Hunan, China, 2005.
37. "Protective and positive inotropic effects of GHRP on normal and heart failure rat cardiomyocytes" International Conference of Pathophysiology, Beijing, China, 2006 (chair the section).
38. "Intracellular signals in the regulation of pituitary growth hormone (GH) secretion through GHS-receptor", Biennial Meeting of the Asian-Pacific Society for Neurochemistry, Singapore, 2006 (chair the symposium)
39. "Signalling in pituitary somatotropes employed by ghrelin", invited symposium at Australian Physiological Society annual meeting, Brisbane, 2006
40. Chair of the section of Australian Physiological Society Conference on Endocrinology, Brisbane, 2006.
41. "beta cell dysfunction in type 2 diabetes", **conference plenary lecture** and invited guest from Australian Physiological Society, conference of CAPS, Beijing, China, 2006.
42. "Ion channel and signaling systems in endocrine cells", invited symposium and chair of section, 1<sup>st</sup> Australia-China Conference on Biomedical Research, Melbourne, 2007
43. "Involvement of TTX-resistant Na<sup>+</sup> current in GHRH-stimulated GH secretion", invited symposium and Chair of the section, 5-nation Physiology Conference, Beijing, 2008
44. "Receptor- and metabolite-signaling systems employed by FFAs in regulating beta cell function", invited symposium and Chair of the section, Australian Physiology Conference, Melbourne, 2008
45. "Australia-China Research Symposium", Sydney, Australia, 2009

46. "Ageing and hormones", Invited **opening plenary lecture** of 4<sup>th</sup> International Anti-ageing Conference, Melbourne, Australia, 2010
47. "Differential distribution of FFA receptors in islet cells in diabetes", invited special topic symposium, 8<sup>th</sup> International Symposium on Frontiers in Life Sciences, Yinchuan, China, 2010.
48. "Regulation of growth hormone profiles by obesity and ageing process", invited **Keynote Speaker** at the International Conference of American Academy of Anti-ageing Medicine, Las Vegas, USA, 2010
49. "Neuroendocrine hormones and metabolic balances", Chair of Symposium, Australian Physiological Society Conference, Adelaide, Australia 2010
50. "Regulation of GH by metabolic hormones and factors", invited **Keynote Speaker** at the International Conference of Anti-ageing Medicine, Melbourne, Australia, 2011
51. "GH and development and ageing", Chair, US Endo Conference, Boston, 2011
52. "Meet the Professor Section", Chair, ESA conference, Perth, 2011
53. "Cardiac protective effect of hexarelin in ischemia/reperfusion heart", Invited Conference speech, 2<sup>nd</sup> International Diabetes, Cardiomyopathy, and Obesity Conference, Hong Kong, 2011
53. "GH profiles in metabolic disorders", invited **Keynote Speaker** at the Neuroendocrinology Conference of France, France, 2012
54. "GH deficiency in obesity and ageing", invited **Keynote Speaker** at the AustralAsian Academy of Anti-Ageing Medicine Conference, Melbourne, 2012
55. "Neuroendocrinology and metabolic control", invited Symposium Speaker at the Symposium in Australia Health and Medical Research Conference 2012, Adelaide, Australia 2012
56. "GH profiles in ageing and metabolic disorders", invited **Keynote Speaker** at the International Anti-Ageing Medicine Conference, Shanghai, China, 2012
57. "Pituitary hormone pattern and metabolic balance", invited **Keynote Speaker** at the 6<sup>th</sup> Oceanic Conference of Endocrinology, Shanghai, China, 2013
58. "Regulation of GH pulsatile profile in mouse", Symposium speaker, Australian Physiological Society Conference, Geelong, Australia 2013
59. "Linking appetite and growth", **Keynote Speaker** at the Aesthetics Asia Congress 2013, Singapore, 2013
60. "Growth hormone profile and ageing", Symposium speaker, AustraliAsia A5M conference, Melbourne, Australia, 2013
61. "Neuroendocrinology of obesity and ageing", **Keynote Speaker** at the 4<sup>th</sup> Australia-China Biomedical Research Conference, Hangzhou, China 2013
62. "GH profile and control of obesity", **Keynote Speaker** at the 11<sup>th</sup> International Drug Discovery Science and Technology, Haikou, China 2013
63. "GH pulsatile pattern and positive energy balance", invited symposium speaker, Australian Physiological Society conference, Geelong, Australia 2013
64. "Growth hormone and energy balance in mice", invited symposium speaker, Joint International Congress of Endocrinology and US Endo Conference, Chicago, USA 2014
65. "LH and GH pulsatile profiles in female and male mice across reproductive stages", invited symposium speaker at Endocrine Society of Australia Annual Conference, Melbourne, 2014
66. "GH pulsatile profiles and metabolic regulation", invited symposium speaker, International Congress of Neuroendocrinology, Sydney, Australia 2014
67. "Neuroendocrinology and metabolic regulation", invited keynote at symposium "Challenges facing agricultural and biological research", Tohoku University, Sendai, Japan 2014
68. "Protective effect of hexarelin and ghrelin on pancreatic islets in vitro and in vivo", recent breakthrough symposium, US Endo, San Diego, USA 2015
69. "Growth hormone profiles and metabolic regulation", International Biomedical Conference, **Keynote presentation**, Shihezi, XinJiang, China, 2015
70. "Neuroendocrinology in metabolic regulation", 6<sup>th</sup> International Endocrine Conference, Symposium speaker, Chongqing, China, 2016
71. "Hormonal balance between insulin and growth hormone in the process of obese-related diabetes", International Biomedical Conference, **Keynote presentation**, Shihezi, China, 2016
72. "Endocrinology and metabolism in obesity", International symposium of global health, Symposium speaker, Xi'an, China, 2017
73. "Hyperinsulinemia in diabetes", A5M Ageing conference, Melbourne, Australia 2017
74. "Insulin and GH in obese and non-obese type 2 diabetes", International Biomedical Conference, **Keynote presentation**, Shihezi, XinJiang, China, 2017
75. "Use of transgenic mouse in endocrine and metabolic research", International symposium of diabetes and kidney diseases, Xi'an, XJTU-2nd Hospital, China, 2017

76. "Metabolic research using gene KO mouse models", International Medical Conference, Luzhou, China, 2017
77. "Balance of insulin and GH on the progress of obesity and diabetes", Australia-China Biomedical Research Conference, **Keynote presentation**, Xi'an, China, 2017
78. "Hyperinsulinemia in T2DM", International Diabetes Symposium, **Keynote presentation**, Tongren Hospital, Beijing, China, 2018
79. "Using mouse model to study hyperinsulinemia in obesity and pre-diabetes", International Symposium of Biomedicine and Transgenic Models, **Keynote presentation**, Dalian, China, 2018
80. "GH/Insulin ratio on metabolic regulation under physiology and pathophysiology", AACBS annual conference, **Plenary lecture**, Sydney, Australia 2019
81. "GH pulsatile pattern codes for metabolic and immunology regulation", 2021 FASEB SRC symposium, **Plenary lecture**, Athens, OH, USA 2022 (it has been postponed to 2022 due to Covid19 pandemic)
82. "Hyperglycaemia, hyperinsulinemia and reproductive dysfunction due to abnormal hypothalamus-pituitary-ovary axis in obese mouse models", 2022 Endocrine Society Conference, **invited symposium speaker**, Chris Church, New Zealand, 2022.
83. "Hyperphagia and high fat diet caused changes of metabolism and metabolic regulatory hormones" **invited symposium speaker**, International Engineer and Technology Institute (IETI) symposium on Food and Health, 2022 (on line presentation)
84. "Pathophysiology of hyperinsulinemia in obesity-infertility through hypothalamus-pituitary-ovary axis in over-eating obese mouse model", 2022 FOCSA Conference, **invited symposium speaker**, Cairns, Australia 2022
85. "Dapagliflozin recovered the dysfunction of reproductive system in obese female mouse", 2022 QCASE Annual Conference, **invited keynote speaker**, Brisbane, Australia 2022
86. "Metabolic hormones as a target of herb medicine on obesity and diabetes", 7<sup>th</sup> Academic Seminar for Geo-authentic Drug's Multidimensional Evaluation, WFCMS, **invited keynote speaker**, Chengdu, China 2024

**17) Invited national and international seminars (from 1991 - ):**

1. "Modification of ion channels by growth hormone regulatory factors from hypothalamus". Invited Seminar at the Peptide Users Group meeting, Monash University, Melbourne, 1991.
2. "Signal transduction pathways in pituitary cells". Invited speaker at the Department of Pharmacology, Hong Kong Chinese University, Hong Kong, 1994.
3. "Intracellular signal transduction pathways of regulatory peptides in pituitary somatotrophs". Invited Seminar at the Institute of Molecular and Cell Biology, National University of Singapore, 1994.
4. "Regulatory mechanism of growth hormone secretion in pituitary somatotrophs". Invited Seminar at the Department of Physiology and Pharmacology, University of Queensland, Australia, 1995.
5. "Intracellular signalling systems employed by GH-secretagogues". Invited Seminar at the Peptide Chemistry/Users Group meeting, CSIRO, Biomolecular Engineering, Parkville, 1996.
6. "Signal transduction pathways in the regulation of growth hormone secretion". Invited Seminar at the Neuroscience Seminar Program, University of Melbourne, Parkville, 1996.
7. "The function of G proteins in the receptor regulation of growth hormone secretion". Invited Seminar at the Department of Pharmacology, University of Melbourne, Parkville, 1996.
8. "Signal transduction pathways in the regulation of growth hormone secretion". Invited Seminar at the Department of Biochemistry and Molecular Biology, University of Melbourne, 1996.
9. "Ion channels and signal transduction pathways in the regulation of growth hormone secretion". Invited lecture at Merck Research Laboratories, Rahway, NJ, USA, 1996.
10. "Intracellular dialysis of antibodies and antisense oligonucleotides in the study of signalling systems". Invited lecture at the First Military Medical University, Guangzhou, China, 1997.
11. "A new technique to investigate the intracellular signalling systems". Invited lecture at the Research Centre of Life Science, Shanghai, China, 1997.
12. "The regulatory mechanism of growth hormone secretagogues". Invited lecture at the Shanghai Medical University, Shanghai, China, 1997.
13. "Study of intracellular signalling systems at a single cell level using patch clamp techniques". Invited lecture at the Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China, 1997.
14. "The role of G proteins in the regulation of membrane ion channels on somatotrophs". Invited lecture at the Beijing Medical University Postgraduate College, Beijing, China, 1997.
15. "The introduction of intracellular dialysis techniques". Xian Medical University, China, 1997.

16. "The mechanism of action of GH secretagogues and its possible clinical use". Xian Medical University, Xian, China, 1997.
17. "New approach for the study of intracellular signalling systems in pituitary endocrine cells", University of Newcastle, NSW, Australia, 1997.
18. "The heterogeneity of GHRP receptor - evidence for species difference", Tohoku University, Sendai, Japan, 1998.
19. "An introduction of intracellular microdialysis techniques in the study of intracellular signalling systems", Seoul National University, Seoul, Korea, 1998.
20. "Regulatory mechanism of growth hormone secretion", Department of Pharmacology, University of Alberta, Edmonton, Canada, 1998.
21. "Functional regulation of somatotropes by leptin", National Neuroscience Institute, Shanghai, China, 2000.
22. "Growth hormone and its regulation", Children Medical Research Institute, Sydney, 2000.
23. "Cell biology modification of somatotropes by central and peripheral factors", John Curtin School of Medical Research, Canberra, Australia, 2001.
24. "Beta cell dysfunction and obesity", Chinese Academy of Medical Sciences, 2002
25. "Current progress in endocrine cell biology research", the Fourth Military Medical University, Xian, China, 2002
26. "Current research in nutritional sciences, suggestion for establish a new institute of nutrition", Chinese Academy of Science in Shanghai and Beijing, 2002.
27. "Endocrine cell functions in the process of exocytosis of GH and insulin", INSERM, Paris, 2002.
28. "Beta cell dysfunction in type 2 diabetes", Chinese Academy of Medical Sciences, Beijing, 2003.
29. "Cell biology of endocrine cells – relationship to hormone secretion from pituitary and pancreatic islets", Department of Physiology, Fourth Military Medical University, Xian, China, 2003.
30. "From clinical problems to bench top research – pituitary, pancreatic islets, cardiacmyocytes and endometrium", the First Military Medical University, Guangzhou, China, 2004.
31. "Research progress in Endocrine Cell Biology, Prince Henry's Institute", the Xiangyia Medical University, Changsha, China, 2004.
32. "From clinical problems to bench top research – pituitary, pancreatic islets, cardiacmyocytes and endometrium", the Fourth Military Medical University, Xian, China, 2004.
33. "receptor, ion channel, and signalling in pituitary somatotropes", the Queensland Brain Institute, Brisbane, Australia 2004
34. "signals and molecules involved in the exocytosis of endocrine cells", Xian Jiaotong University Medical School, Xian, China, 2005
35. "Beta cell dysfunction in type 2 diabetes", Harbin Medical University, Harbin, China 2006
36. "Effect of GHS on chronic heart failure", Xian Jiaotong University Medical School, Xian, China 2006
37. "From medical problem to bench top research", University of Newcastle, Newcastle, 2007
38. "Endocrine Cell Biology-pituitary, pancreatic endocrine cells function and diseases", Garvan Research Institute, Sydney, 2007
39. "Cardiac myocytes and beta cell protection by small synthetic peptides", Baker Institute, Melbourne, 2007
40. "Ion Channel and signaling in cell function", Fudan University Medical School, Shanghai, 2008
41. "Beta cell dysfunction in type 2 diabetes", Beijing University Medical School, Beijing, 2008
42. "Recent progress in metabolic balance regulation", Xian Jiaotong University Medical School, Xian, China, 2008
42. "Cell biology to clinic problems", Damantina Institute, University of Queensland, Brisbane, 2009
43. "Bench research to medical practice", Centre for Clinic Research, University of Queensland, Brisbane, 2009
44. "Ghrelin and related molecules in endocrine cancers", Mater Research Institute, Mater Hospital, Brisbane, 2009
45. "Islet dysfunction in diabetes", Xiamen University, Xiamen, China 2010.
46. "From cell biology to medical practice", Tianjin University, Tianjin, China 2010
47. "Receptors for free fatty acids in islet cells – causing islet dysfunction?" Xian Jiaotong University, Xian, China 2010
48. "Cardiac protective effect of growth hormone secretagogues in isolated cardiomyocytes", Xian Jiaotong University, Xian, China 2011
49. "Endocrinology and Metabolic Disorders", Zhejiang University, Hangzhou, China 2012
50. "Regulation of GH profiles by metabolic conditions", INSERM-Molecular Neuroendocrinology, Paris, France 2012

51. "Endocrine Cell Biology in regulating cell functions", CNRS, University of Bordeaux, France 2012
52. "Biomedical research into metabolic disorders in last 30 years", Fudan University Medical School Alumna Symposium, Shanghai, China 2012
53. "Research progress in metabolic diseases at Endocrinology, SBMS, UQ", Xian Jiaotong University Medical School Seminar, Xian, China 2013
54. "Collaborative research into iPSC in motor neuron disease", GIBH Seminar, Guangzhou, China 2013
55. "Growth hormone and metabolic regulation", Guest lecturer at Wuhan Huazhong University, Wuhan, China 2013
56. "Interactive balance of GH and insulin in metabolic regulation", Seminar at Novo Nordisk and Foundation, Copenhagen, Denmark 2013
57. "Growth hormone deficiency in obesity – Physiology or pathology", Seminar at Yangzhou University, Yangzhou, China, 2013
58. "Pituitary hormone profiles in metabolic regulation", Seminar at Beijing University Health Centre, Beijing, China 2013
59. "Neuroendocrinology and pituitary hormone pulsatile patterns", Seminar at the Institute of Nutritional Sciences, SIBS, Chinese Academy of Sciences, Shanghai, China 2014
60. "Cardiac protective effect of hexarelin in rodent models", Seminar at the First Affiliated Hospital of Jiaotong University, Xi'an, China 2014
61. "Growth hormone and metabolic regulation", Seminar at the Institute of Molecular Medicine, Beijing University, Beijing, China 2014
62. "Neuroendocrinology of obesity", Seminar at the Guangzhou Institute for Biomedicine and Health, Chinese Academy of Science, Guangzhou, China 2014
63. "Pulsatile properties of growth hormone and luteinizing hormone in mice – physiology and pathophysiology", Seminar to the UCSD and Crinetics Pharmaceuticals, Inc., San Diego 2015
64. "Neuroendocrinology and obesity/eating disorders", XinJiang Medical University, Urumqi, China 2015
65. "Neuroendocrinology under different metabolic conditions in transgenic mouse models", Chinese University of Hong Kong, Hong Kong, China 2015
66. "Profiles of pituitary hormones and regulation of metabolism", Hainan University Medical School, Hainan, China 2015
67. "Neuroendocrinology and metabolic regulation in transgenic mouse models", Xiangya Medical School, Central-South University of China, Changsha, China 2016
68. "Pituitary hormonal profiles in positive and negative energy balances", Guangzhou Institute for Biomedicine and Health (GIBH), Chinese Academy of Science, Guangzhou, China 2016
69. "Hormonal interactions and balances under different metabolic conditions", Sun Yat-sen University Medical School, First Affiliated Hospital, Guangzhou, China 2016
70. "Endocrine research in obesity and diabetes", 2nd Affiliated Hospital of South-western Medical University, Luzhou, Sichuan, China 2017
71. "Obese and non-obese diabetes", Endocrinology, 1st Affiliated Hospital of Xinjiang Medical University, Urumqi, China, 2017
72. "Transgenic mouse models in metabolic research", Institute of Genetic Models, Dalian Medical University, China, 2017
73. "Neuroendocrine and endocrine regulation on metabolic balance in mouse", School of Pharmacy, UQ, Australia 2017
74. "Prevention and Treatment of T2DM", Institute of Experimental Medicine, Czech Academy of Sciences, Prague, Czech Republic 2018
75. "K Channel as a drug target of anti-diabetic drug", Tongren Hospital, Capital Medical University, Beijing, China 2018
76. "Hormonal profiles in early diabetes and potential therapeutic targets", INSERM, University of Bordeaux, Bordeaux, France 2018
77. "Hyperinsulinemia and progress of diabetes", School of Biology, Shanxi University, Taiyuan, China 2018
78. "Preventing T2DM by reducing hyperglycemia and hyperinsulinemia", XJTU Hospital, Xian, China 2018
79. "Mechanism of metabolic disorders and diabetes", Jilin University, Changchun, China 2018
80. "Hyperinsulinemia and growth hormone deficiency in the progress of diabetes", GIBH, CAS, Guangzhou, China 2018

81. "Metabolic hormone profiles and human metabolic disorders", Shanxi Endocrine and Metabolic Society National seminar series, Xian, China 2022 (online seminar)
82. "Endocrinology of obesity and diabetes", South-Western University of Medicine, Endocrinology Seminar, Luzhou, Sichuan, China 2022 (online seminar)
83. "Endocrinology of infertility with obesity", Chengdu Women's and Children's Hospital international seminar program, Chengdu, Sichuan, China 2022 (online seminar)
84. "Metabolic hormonal balance in obesity, diabetes and ageing", Beijing Hospital Seminar program, Beijing, China 2023
85. "Research career in a rapid changing world", invited seminar by GIBH Postgraduate training program, GIBH, CAS, Guangzhou, China 2023
86. "Regulation of Endocrinology and Metabolism in metabolic disorders and treatment", South-western Medical University Hospital, Luzhou, China 2023
87. "Regulation of hormones in metabolic disorders, obesity, diabetes, and ageing", Xi'an Jiaotong University Medical School Hospital, Xi'an, China 2023
88. "Research progress on endocrinology and metabolism in transgenic mouse models", Xi'an Medical University, Xi'an, China, 2023
89. "Hormonal changes in metabolic disorders", Centre for Precision Health Showcase 2024, C, Edith Cowan University, Perth, Australia 2024
90. "Endocrinology in metabolic disorders", Beijing Hospital, Special Seminar on Beijing Medicine, **invited keynote speaker**, Beijing Hospital, Beijing, China 2024
91. "Growth hormone and insulin in obesity and diabetes", Chengdu University International Seminar, **invited keynote speaker**, Chengdu University, Chengdu, China 2024
92. "Academic Career in a rapid changing world: My own experience", Chengdu University of Chinese Medicine, **invited keynote speaker**, Chengdu University of Chinese Medicine, Chengdu, China 2024
93. "My academic career and PhD training in France, USA and Australia", GIBH (Guangzhou Institute of Biomedicine and Health), CAS, **invited keynote speaker**, Guangzhou, China 2024
94. "Endocrine-related cancer biology: link to ghrelin, estrogen, and receptors", Xian Jiaotong University Medicine, **invited keynote speaker**, Xian, China 2024

**18) Teaching/Supervision of students and early career researchers:**

**PhD completed: >30; PhD on going: 4; Hon and Master completed: >20.**

Each year I give lectures to the undergraduate students (40 lectures) and lectures to honours students. I am also coordinate "Endocrinology and Metabolism" course to their year students.

1984-1986 - Co-supervisor. Master of Science degree. Mr. Hong-Xiang Wang. "Mechanisms of pressor responses after stimulation of cervical and abdominal vagus" (with Professor Meng-Chin Chen) at the Department of Physiology, Chinese Academy of Medical Sciences, Beijing.

1994- Co-supervisor. PhD degree. Ms. D. Wu. "Cellular and molecular mechanisms of the regulation of GH secretion by GHRP". (With Dr. I. J. Clarke) at Prince Henry's Institute of Medical Research, Department of Physiology, Monash University.

1994-1996 Co-supervisor. PhD degree. Mr. P.M. Heyward. "Ion channels and signal transduction pathways in the regulation of LH secretion from gonadotrophs". (With Dr. I. J. Clarke) at Prince Henry's Institute of Medical Research, Department of Anatomy, Monash University.

1996- Supervisor. Honours degree. Mr Jacob Eydlisch. "Effect of AIDS envelope protein gp120 on GH secretion induced by GRF and GHRP in primary cultured ovine somatotrophs. Department of Physiology (Dr. R. Lang), Monash University (First Class).

2000- Supervisor of four master and honor students, Ms N Tawadros, Ms J Rao, Ms M Balogh, and Mr S Yang.

2000- Supervisor of 7 PhD students, Mr R Xu (completed 2003), Mr Y Zhao (completed 2003), Ms N Tawadros, Mr X Han (completed 2005), Ms D Feng (completed 2005), S Yang, J Rao, Department of Physiology, Monash University.

2003- Supervisor of one master student, Mr Sean Yang, Department of Physiology, Monash

2004- Supervisor of one Master student, Ms Jyothsna Rao, Physiology, Monash.

2004- Supervisor of one Honor student, Miss Melanie Balogh, Department of Pharmacology, Royal Melbourne Institute of Technology.

2005- Supervisor of 4 PhD students (Ms J Rao-graduated 2010, Mr S Yang-graduated 2008, Ms C Chu-graduated 2008, Mr Q Sun-graduated 2008), Dept Physiology, Monash University, Hong Kong Chinese University and Xian Jiaoda Medical School

2006- Supervisor of a visiting student from Germany.

2007- Supervisor of an Hon Student, Dept Physiology, Monash University  
 2008- Supervisor of three new PhD students (Ms T. Ya-graduated 2010, Ms J Fung), School of Biomedical Sciences, University of Queensland, Brisbane, Australia  
 2009 – Supervisor of new PhD students (Mr. M. Sinclear; Ms. Yi Ma; Ms DF Wang-graduated 2011, Ms L Huang) and Hon students (Ms A Foster; Ms J Leong)  
 2010 – Supervisor of new PhD students (G Lin, FX Zhang, A Tan), Master Students (X Zhang-graduated 2010, J Wang), and Hon students (T Xie, K Lee)  
 2011 – 2015, 7 PhD graduated and currently 6 PhD students, 2 hon students.  
 2016, 4 PhD, 1 Hon graduated.  
 2017, 4 PhD, 2 Hon. Currently, 3 PhD, 1 starts 2018, and 3 academic visitors.  
 2018, 3 PhD graduations.  
 2019, 2 PhD graduations. 2 Master graduations. Currently, 4 PhD students.  
 2020, PhD graduations: Hayley McDonald; Master, Wanlin Chen; Hon, Lyn Gao  
 2021, 4 PhD students.  
 2022, 5 PhD students, 2 Master students, 1 Hon student

### **Career development mentoring:**

I have been involved in early career mentoring program by Faculty of Medicine and School of Biomedical Sciences, UQ to help the development of young scientists and medical researchers. I have supervised many postdoctoral fellows in my group and outside of my group (collaborators), including 4 postdoctoral fellows in my UQ lab (all developed into independent researchers). In addition, I have hosted many visiting academics (>20) from Japan, Hong Kong, Singapore, China with established collaborations.

### **19) List of publications:**

\* C Chen is Corresponding or Senior Author. [number] at the end = Impact factor of the journal  
 a. Paper in refereed journal      a'. Review in refereed journal  
 b. Chapter in book      c. Full paper - proceedings of meeting      d. Thesis



ORCID: <https://orcid.org/0000-0003-2104-534X>  
 Web of Science ID: [B-4284-2010](https://www.webofscience.com/wos/author/uri/uri:asci:B-4284-2010)

Scopus: 8789770500  
 UQ eSpace ID: 72134

**SUMMARY: ResearchGate h-factor: >65, citation 13,168; Scopus h-factor: 63; ORCID h-factor: 63; Web of Science H-index: 61; Total citation >12,500; Google Scholar h-index >120 (total citation >72,000). Since 2017, Google h-index >101 with total citation >55,000. I am within the top 1% most cited in neuroendocrinology and growth hormone.**

*In Australia, I am the most productive and cited researcher on growth hormone research by Scopus search (internationally within top 40). In 2025 Stanford Analysis, I am within the top 2% of endocrinology and metabolism ranked by Scopus citing rates and H factors.*

*Globally, ranked top 50 most productive researchers in Endocrinology and Metabolism 1999-2019 and top 1% by Scopus 2025.*

*Total IF of publications: >1500.*

1 (a)\* **Chen Chen**: (1985) Role of endothelium cell in the vascular relaxation. *Physiological Sciences*, 4(2):11-14. (in Chinese).

2 (a)\* **Chen Chen** and Meng-Chin CHEN: (1985) Arterial wall renin-angiotensin-system and its role in hypertension. *Physiological Sciences*, 5(2):65-70. (in Chinese).

3 (a) Wen-Min ZOU, **Chen Chen** and Meng-Chin CHEN: (1986) Relations between depressor effect induced by stimulation of peripheral ends of abdominal vagus and serotonin. *Acta of Academy of Medicine Sinicae*, 8(3): 180-184 (in Chinese).

4 (a) Li-Tian SHEN, Da-Wei ZHANG, Yan CHEN, **Chen Chen** and Meng-Chin CHEN: (1986) Power spectral estimation analysis and its use on evaluate the renal neural activity. *Beijing Biomedical Engineering*, 6(2): 51-54 (in Chinese).

- 5 (a)\* **Chen Chen**, Yan CHEN and Meng-Chin CHEN: (1987) A study on the pressor mechanism of abdominal vagus. *Proceedings of Chinese Academy of Medical Sciences*, 2(1): 16-21 (in English).
- 6 (a) Ying-Nian CAI, Xi-Xian DEN, Meng-Chin CHEN, Zhi-Liang WANG, Bao-Sheng QI, **Chen Chen** and Wen-Li LIU: (1987) Central effect on pulmonary pressor response during hypoxia in dogs. *Proceedings of Chinese Academy of Medical Sciences*, 2(4):220-225 (in English).
- 7 (a) Meng-Chin CHEN, **Chen Chen**, Yan CHEN, Qi ZHANG, Hong-Xiang WANG, Xui-Wen ZHAO and Bin REN: (1988) Studies on the cervical and abdominal vagal pressor responses in the cat. *Acta Physiologica Sinica* 40(6): 561-568 (in Chinese).
- 8 (a)\* **Chen Chen**, Meng-Chin CHEN, Hong-Xiang WANG and Yan CHEN: (1989) The role of the nucleus tractus solitarius and the locus coeruleus in the abdominal vagal pressor response. *Proceedings of Chinese Academy of Medical Sciences*, 4(3): 142-146 (in English).
- 9 (a)\* **Chen Chen**, Jean-Marc ISRAEL and Jean-Didier VINCENT: (1989) Electrophysiological responses to somatostatin of rat hypophysial cells in somatotroph-enriched primary cultures. *Journal of Physiology (London)*, 408:493-510.
- 10 (a).\* **Chen Chen**, Jean-Marc ISRAEL and Jean-Didier VINCENT: (1989) Electrophysiological responses of rat pituitary cells in somatotroph-enriched primary culture to human growth hormone-releasing factor. *Neuroendocrinology*, 50:679-687.
- 11 (a).\* **Chen Chen**, Jin ZHANG, Jean-Didier VINCENT and Jean-Marc ISRAEL: (1989) Cationic currents on identified rat normal gonadotroph cells maintained in primary culture. *Neurochemistry International*, 15:265-275.
- 12 (d).\* **Chen Chen**: (1989) Les propriétés électriques des cellules somatotropes de rat en culture primaire et leur modulation par la somatostatine et la somatocrine (Electrical properties of rat somatotrophs in primary culture and their modification by somatostatin and growth hormone releasing factor). *These pour le Doctorat de l'Université de Bordeaux II (Ph. D. Thesis)*.
- 13 (a).\* **Chen Chen**, Jin ZHANG, Jean-Didier VINCENT and Jean-Marc ISRAEL: (1990) Sodium and calcium current in action potentials of rat somatotrophs: their possible functions in growth hormone secretion. *Life Sciences*, 46: 983-989.
- 14 (a).\* **Chen Chen**, Jin ZHANG, Jean-Didier VINCENT and Jean-Marc ISRAEL: (1990) Two types of voltage-dependent calcium currents in rat somatotrophs are reduced by somatostatin. *Journal of Physiology (London)*, 425:29-42.
- 15 (a).\* **Chen Chen**, Jin ZHANG, Jean-Didier VINCENT and Jean-Marc ISRAEL: (1990) Somatostatin increases voltage-dependent potassium currents in rat somatotrophs in primary culture. *American Journal of Physiology (Cell Physiology)*, 250: C 854-C861.
- 16 (a).\* Jin ZHANG, **Chen Chen**, Lucy A. KUKSTAS, Dany VERRIER, Jean-Didier VINCENT and Jean-Marc ISRAEL: (1990) In vitro effects of 17-beta oestradiol on thyrotropin-releasing hormone-induced and dopamine-inhibited prolactin release from male rat lactotroph in primary culture. *Journal of Neuroendocrinology*, 2(3):277-284.
- 17 (a).\* Jin ZHANG, **Chen Chen**, Lucy A. KUKSTAS, Jean-Didier VINCENT and Jean-Marc ISRAEL: (1990) Functional lactotroph-heterogeneity in lactating rats and in vitro modification by 17-beta-estradiol. *Journal of Neuroendocrinology*, 2(6):815-823.
- 18 (a). Lucy A. KUKSTAS, Dany VERRIER, Jin ZHANG, **Chen Chen**, Jean-Marc ISRAEL and Jean-Didier VINCENT: (1990) Evidence for a relationship between lactotroph heterogeneity and physiological context. *Neuroscience Letters*, 120:84-86.
- 19 (b). Pierre-Marie LLEDO, Lucy A. KUKSTAS, **Chen Chen**, Jean-Didier VINCENT and Jean-Marc ISRAEL: (1990) Ionic currents in the regulation of stimulus-secretion coupling in normal and

tumoral adenohypophyseal cells. in *Recent Advances in Basic and Clinical Neuroendocrinology*, eds. F. F. Casanueva and C. Dieguez; Elsevier Science Publishers. p.65-74.

20 (a). **Chen Chen** and P. Kay WAGONER: (1991) Endothelin induces a non-selective cation current in vascular smooth muscle cells. *Circulation Research*, 69:447-454.

21 (c). \* **Chen Chen**, Jean-Marc ISRAEL and Jean-Didier VINCENT: (1992) Ionic currents in the regulation of stimulating/secretion coupling in somatotrophs. In *Regulation of Growth Hormone and Somatic Growth*, p. 57-79.

22 (a'). \* **Chen Chen** and Iain J. CLARKE: (1992) Ion channels in the regulation of growth hormone secretion from somatotrophs by somatostatin. *Growth Regulation*, 2: 167-174.

23 (a).\* **Chen Chen**, Jin ZHANG, Peter McNEILL, Michael PULLAR, Jim CUMMINS and Iain J. CLARKE: (1993) Human growth hormone releasing factor (hGRF) modulates calcium currents in human growth hormone secreting adenoma cells. *Brain Research*, 604:345-348.

24 (a).\* **Chen Chen**, Jin ZHANG, Jean-Marc ISRAEL, Iain J. CLARKE and Jean-Didier VINCENT: (1993) Mechanism of the prolactin rebound after dopamine withdrawal in rat pituitary cells. *American Journal of Physiology (Endocrinology and Metabolism)*, 265: E145-E152.

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