

CURRICULUM VITAE

1) **Name in full:** Chen CHEN

2) **Sex:** Male

3) **Citizenship:** Australian

4) **Business address:** Faculty of Medicine and Biomedical Sciences, University of Queensland,
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5) **Current position:**

Professor and Chair of Endocrinology, Faculty of Medicine and Biomedical Sciences,
University of Queensland, Brisbane, Australia;
Director of International Affairs, Faculty of Medicine and Biomedical Sciences, University
of Queensland, Brisbane, Australia;
Affiliated Professor, Queensland Brain Institute, University of Queensland, Australia;
Affiliated Professor, Guangzhou Institute for BioMedicine and Health (GIBH), Chinese
Academy of Science, China;
Affiliated Professor, Peking Union Medical College and Chinese Academy of Medical
Science, China

6) **Web site:** <http://www.uq.edu.au/sbms/staff/chen-chen>

7) **Academic record and postdoctoral fellowship:**

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

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

Oct. 1986--Oct. 1989. Postdoctoral (Medical Doctor) fellowship supported by "Foundation
pour la Recherche Medicale and INSERM" and postgraduate student for "Doctorat en Sciences"
(French **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

8) **Editorial and Review duties:**

Editorial board member: "Endocrinology", "Molecular and Cellular Endocrinology",
"Endocrine", "Current Drug Target", "Clinic and Experimental Pharmacology and
Physiology", "Medicinal Chemistry Review", "Medicinal Chemistry", "Journal of
Cardiothoracic-Renal Research", "BMC Physiology", "Frontier Genomic
Endocrinology", "Physiological Report";

Advisory board member: "Acta Physiologica Sinica", "Journal of Xian Jiaotong University
(Medical Sciences)";

Referee for funding agents: Australian NHMRC, ARC, US Growth Foundation, Wellcome
Trust, New Zealand HRC, Singapore NMRC, etc. **Australian NHMRC Grant Review Panel
member 2009, 2011-2014;** New Zealand HRC Grant Review Committee member

9) **Administration:**

Chair, International Committee, Faculty of Medicine, University of Queensland
International Policy and Strategy Committee, University of Queensland
China Reference Group, University of Queensland

Member of International Student Enrolment Group, University of Queensland
Chair of International Committee, Faculty of Science, University of Queensland

Director of CSC Postgraduate Program, School of Biomedical Sciences (SBMS), UQ
Member of Executive Committee, SBMS, Faculty of Science, UQ

10) 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), 2010-2017
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)
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;
National Society of Research Fellows in Australian NHMRC

11) Recent invited presentations (since 2013):

57. "Pituitary hormone pattern and metabolic balance", invited **Keynote Speaker** at the 6th 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 4th Australia-China Biomedical Research Conference, Hangzhou, China 2013
62. "GH profile and control of obesity", **Keynote Speaker** at the 11th 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

12) Publications (>160, representative on GH regulation):

- * *Corresponding Author. a. Refereed journal a'. Review in refereed journal b. Chapter in book*
66. (a) Sang-Gun ROH, **Chen CHEN**, Ki-Choon CHOI, Yogendra SHRESTHA, Shin-Ichi SASAKI (2002) Is GHRH receptor essential to GHRP-2-induced GH secretion in primary cultured rat pituitary cells? *Endocrinology*, 143: 1964-1967.
71. (a)* Ruwei XU, Qinling WANG, Ming YAN, Maria HERNANDEZ, Chang-Hong GONG, Wah-Chin BOON, Yoko MURATA, Yoichi UETA, and **Chen CHEN**: (2002) Orexin-A augments voltage-gated Ca²⁺ currents and synergistically increases growth hormone secretion with GHRH in primary cultured ovine somatotropes. *Endocrinology*, 143:4609-4619.
72. (a)* Ruwei XU, Yufeng ZHAO and **Chen CHEN**: (2002) GHRP-2 reduces inward rectifying K⁺ current via a PKA-cAMP-mediated signalling pathway in ovine somatotropes. *Journal of Physiology (London)*, 545:421-433.
74. (a)* Ruwei XU, Sang-Gun ROH, Changhong GONG, Maria HERNANDEZ, Yoichi UETA and **Chen CHEN**: (2003) Orexin-B augments voltage-gated L-type Ca²⁺ current via a PKC-mediated signalling pathway in ovine somatotropes. *Neuroendocrinology*, 77:141-152.
79. (a)* Ming YAN, Margaret JONES, Maria HERNANDEZ, Evan SIMPSON, **Chen CHEN**: (2004) Functional Modification of Pituitary Somatotropes in the Aromatase Knockout Mouse and the

- Effect of Estrogen Replacement. *Endocrinology*, 145:604-612.
89. (a)* Seung-Kwon YANG, Helena C. PARKINGTON, Allan D. BLAKE, Damien KEATING, ***Chen Chen***: (2005) Somatostatin increases voltage-gated K⁺ currents in GH3 cells through activating type 2 and 4 somatostatin receptors. *Endocrinology*, 146:4975-4984
 92. (a')* Ji-Min Cao, Huy ONG, ***Chen Chen***: (2006) Effects of ghrelin and synthetic GH secretagogues on the cardiovascular system. *Trends in Endocrinology and Metabolism*, 17:13-18.
 97. (a)* Seung-Kwon YANG, Helena C. PARKINGTON, Jacques EPELBAUM, Damian J Keating, ***Chen Chen***: (2007) Somatostatin decreases voltage-gated Ca²⁺ currents in GH3 cells through activation of somatostatin receptor 2. *American Journal of Physiology (Endo & Metab)*, 292:E1863-E1870
 110. (a)* Frederik Steyn, Fanny Bohme, Ernesto Vargas, Kun Wang, Helena Parkington, J.R Rao, ***Chen Chen***: (2009) Adiponectin regulate growth hormone secretion via adiponectin receptor mediated Ca²⁺ signaling in rat somatotrophs in vitro. *Journal of Neuroendocrinology*, 21:698-704
 124. (a)* F. J. Steyn, L. Huang, S.T. Ngo, J.W. Leong, H.Y. Tan, T.Y. Xie, A.F. Parlow, J.D. Veldhuis, M.J. Waters, and ***Chen Chen***: (2011) Development of a method for the determination of pulsatile growth hormone secretion in mice. *Endocrinology*, 152:3165-3171.
 129. (a)* F.J. Steyn, J.W. Leong, L. HUANG, H.Y. Tan, T.Y. Xie, C. Nelson, M.J. Waters, J.D. Veldhuis, J. Epelbaum, ***Chen Chen***: (2012) Growth hormone does not modulate the early fasting induced release of free fatty acids in mice. *Endocrinology*, 153:273-282.
 138. (a)* Yi Ma, Lin Zhang, Bradley S. Launikonis, ***Chen Chen***: (2012) Growth hormone secretagogues preserve action potential of mouse cardiomyocytes isolated from *in vitro* ischemic/reperfusion heart. *Endocrinology*, 153: 5480-5490.
 140. (a)* L. Huang, F.J. Steyn, H.Y. Tan, T.Y. Xie, J.D. Veldhuis, ***C. Chen***: (2012) The decline in pulsatile GH secretion through early adulthood in mice is exacerbated by dietary-induced weight gain. *Endocrinology*, 153, 4380-4388.
 147. (a)* F.J. Steyn, Y. Wan, J. Clarkson, J.D. Veldhuis, A. E. Herbison & ***Chen Chen***: (2013) Development of methodology for, and assessment of pulsatile luteinizing hormone secretion in juvenile and adult male mice. *Endocrinology*, 154, 4939-4945
 152. (a)* F.J. Steyn, T.Y. Xie, L. Huang, S.T. Ngo, J.D. Veldhuis, M. Waters, ***C. Chen*** (2013) Increased adiposity and insulin correlates with the suppression of pulsatile GH secretion during weight gain. *Journal of Endocrinology*, 218, 233-244
 153. (a)* Jenny N. T. Fung, Penny Jeffery, John Lee, Inge Seim, Andreas Obermair, Lisa K. Chopin and ***Chen Chen***: (2013) Silencing of Ghrelin Receptor Expression Inhibits Endometrial Cancer Cell Growth in vitro and in vivo. *American Journal of Physiology*, 305, E305-E313
 154. (a)* H.Y. Tan, L. Huang, D. Simmons, J.D. Veldhuis, F.J. Steyn and ***Chen Chen***: (2013) Hypothalamic distribution of Somatostatin (Sst) mRNA expressing neurons relative to pubertal and adult changes in pulsatile GH secretion in mice. *Journal of Neuroendocrinology*, 25, 910-919
 156. (a)* F.J. Steyn, K. Lee, M.J. Fogarty, J.D. Veldhuis, P.A. McCombe, M.C. Bellingham, S.T. Ngo, and ***Chen Chen***: (2013) Growth hormone secretion is correlated with neuromuscular innervation rather than motor neuron number in early-symptomatic male Amyotrophic Lateral Sclerosis mice. *Endocrinology*, 154, 4695-4706
 162. (a) Silvia Manzanero, Joanna R. Erion, Tomislav Santro, Frederik J. Steyn, ***Chen Chen***, Thiruma V. Arumugam, and Alexis M. Stranahan: (2014) Intermittent fasting attenuates increases in neurogenesis following ischemia and reperfusion and improves recovery. *Journal of Cerebral Blood Flow and Metabolism*, 34, 897-905
 163. (a)* Yan Zhao, Jiezhong Chen, XL Zhang, R Shao, CX Yan, ***Chen Chen***: Hexarelin protects streptozotocin-induced beta-cell damage through maintaining normal mitochondrial functions. *Journal of Endocrinology*, under revision.
 164. (a) Rim Hassouna, Philippe Zizzari, Catherine Tomasetto, Johannes D. Veldhuis, Oriane Fiquet, Alexandra Labarthe, Julie Cognet, Frederik Steyn, ***Chen Chen***, Jacques Epelbaum, Virginie Tolle: (2014) An early reduction in GH peak amplitude in preproghrelin deficient mice has a minor impact on linear growth. *Endocrinology*, in press (accepted 12 June 2014).
 165. (a)* Lili Huang, Frederik Steyn, ***Chen Chen***: Neuropeptide Y and receptors are involved in the depression of growth hormone secretion in response to fasting through stimulation of somatostatin neurons in mouse. *Journal of Neuroscience*, under revision.
 166. (a)* H.Y. Tan, L. Huang, S.T. Ngo, M. Cowley, J. Greenfield, J.D. Veldhuis, F.J. Steyn, and ***C. Chen***: Rapid growth in hyperphagic MC4R deficient mice occurs independent of growth hormone. *JCI*, final preparation.