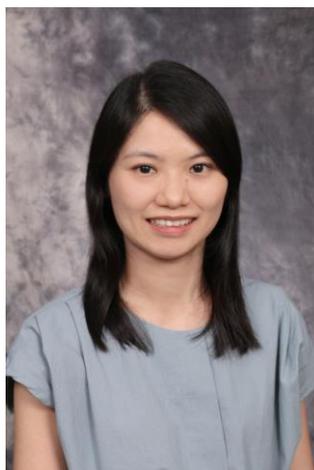


LI Hoi Yee Gloria
(Research Assistant Professor)



Qualifications:

09/2001 – 06/2004	The University of Hong Kong: Bachelor of Science in Bioinformatics
01/2005 – 12/2006	The University of Hong Kong: Master of Philosophy at Department of Chemistry, Open Laboratory of the Institute of Molecular Technology for Drug Discovery and Synthesis
06/2007 – 11/2010	The University of Hong Kong: Doctor of Philosophy at Department of Medicine

Brief outline of experience and posts held:

10/2017 – 10/2018	Research Assistant I, Department of Pharmacology and Pharmacy, The University of Hong Kong
11/2018 – 09/2020	Postdoctoral Fellow, Department of Pharmacology and Pharmacy, The University of Hong Kong
09/2020 – Present	Research Assistant Professor, Department of Health Technology and Informatics, The Hong Kong Polytechnic University

Research interests:

- Bioinformatics
- Genetics
- Identification of biomarkers and development of risk prediction algorithms for early diagnosis of diseases
- Identification of therapeutic targets for intervention of diseases

Service to professional & scientific bodies, consultancy, membership of professional & learned societies:

- Expert reviewee of *Endocrine Connections*' Editorial Board.
- Reviewer of international peer-reviewed journals: *Journal of Diabetes*, *Osteoporosis and Sarcopenia*, *Bioscience Reports*, *BMC Medical Genomics*, *BMC Musculoskeletal Disorders*, *Annals of Translational Medicine*, *Scientific Reports*.

- Full member of the Institute of Cardiovascular Science and Medicine, Li Ka Shing Faculty of Medicine, The University of Hong Kong.
- Member of the Korean Endocrine Society.

Awards:

- 05/2008 Awarded the **Young Investigator Award** at the 9th Regional Osteoporosis Conference.
- 04/2018 Awarded the **Travel Grant** at the Sixth Seoul International Congress of Endocrinology and Metabolism, Seoul, Korea.
- 11/2020 Awarded the **Plenary Oral Presentation Award** at the 17th Asia-Oceania Congress of Endocrinology and the 8th Seoul International Congress of Endocrinology and Metabolism, Seoul, Korea.

Funded grants:

- 7/2020 – 1/2022 **Health and Medical Research Fund** (Project No.: 17181391) **Development and validation of hip fracture risk prediction model using electronic medical records in Hong Kong: a machine learning approach** (HKD526,400, as Principal Investigator)
- 7/2021 – 6/2023 **Start-up Fund for RAPs under the Strategic Hiring Scheme** (Project No.: P0036047) **Evaluating the association of thyroid status with various health outcomes: an integrated approach of observational and Mendelian Randomization studies** (HKD249,937.50, as Principal Investigator)

Representative Journal Articles (Total > 30):

1. **Li GH, Cheung CL, Cheung EY, Chan WC, Tan KC. (2021) Genetically determined TSH level within reference range is inversely associated with Alzheimer's disease. J Clin Endocrinol Metab. Epub ahead of print.**
2. **Tang CT, Sing CW, Kwok TC, Li GH, Cheung CL. (2021) Secular trends in fall-related hospitalizations in adolescents, youth and adults: a population-based study. Lancet Reg Health Western Pac. 12:100183.**
3. **Cheung CL, Li GH. (2021) Summary of the special issue of the meta-analyses of lean mass with mortality in multiple perspectives. Osteoporos Sarcopenia. 7(Suppl 1):S1-S2.**
4. **Li GH, Lee GK, Au PC, Chan M, Li HL, Cheung BM, Wong IC, Lee VH, Mok J, Yip BH, Cheng KK, Wu CH, Cheung CL. (2021) The effect of different measurement modalities in the association of lean mass with mortality: A systematic review and meta-analysis. Osteoporos Sarcopenia. 7(Suppl 1):S13-S18.**
5. **Cheung CL, Sing CW, Lau WCY, Li GHY, Lip GYH, Tan KCB, Cheung BMY, Chan EWY, Wong ICK. (2021) Treatment with direct oral anticoagulants or warfarin and the risk for incident diabetes among patients with atrial fibrillation: a population-based cohort study. Cardiovasc Diabetol. 20(1):71.**
6. **Zhang X, Xu H, Li GH, Long MT, Cheung CL, Vasan RS, Hsu YH, Kiel DP, Liu CT. (2021) Metabolomics Insights into Osteoporosis Through Association With Bone Mineral Density. J Bone Miner Res. 36(4):729-738.**

7. Feng Q, Bønnelykke K, Ek WE, Chawes BL, Yuan S, Cheung CL, **Li GH**, Leung RY, Cheung BM. (2021) **Null association between serum 25-hydroxyvitamin D levels with allergic rhinitis, allergic sensitization and non-allergic rhinitis: A Mendelian randomization study.** *Clin Exp Allergy.* 51(1):78-86.
8. **Li GH**, Cheung CL, Zhao SX, Song HD, Kung AW. (2020) **Genome-wide meta-analysis reveals novel non-ion channel related susceptibility loci for thyrotoxic periodic paralysis.** *Eur J Endocrinol.* 183(6):607-617.
9. **Li GH**, Cheung CL, Chung AK, Cheung BM, Wong IC, Fok MLY, Au PC, Sham PC. (2020) **Evaluation of bi-directional causal association between depression and cardiovascular diseases: a Mendelian randomization study.** *Psychol Med.* Online ahead of print.
10. Feng Q, Yuan S, Yang Q, Lu Y, Loos RJF, **Li GHY**, Fei Y, Tsoi MF, Cheung CL, Cheung BMY. (2020) **Causal associations between urinary sodium with body mass, shape and composition: a Mendelian randomization study.** *Sci Rep.* 10(1):17475.
11. Ge GM, Leung MTY, Man KKC, Leung WC, Ip P, **Li GHY**, Wong ICK, Kung AWC, Cheung CL. (2020) **Maternal Thyroid Dysfunction During Pregnancy and the Risk of Adverse Outcomes in the Offspring: A Systematic Review and Meta-Analysis.** *J Clin Endocrinol Metab.* 105(12):dgaa555.
12. **Li GH**, Ge GM, Cheung CL, Ip P, Coghil D, Wong IC. (2020) **Evaluation of causality between ADHD and Parkinson's disease: Mendelian randomization study.** *Eur Neuropsychopharmacology.* 37:49-63.
13. Sing CW, Kiel DP, Hubbard RB, Lau WC, **Li GH**, Kung AW, Wong IC, Cheung CL. (2020) **Nitrogen-Containing Bisphosphonates Are Associated With Reduced Risk of Pneumonia in Patients With Hip Fracture.** *J Bone Mineral Res.* Online ahead of print.
14. Chau YP, Au PCM, **Li GHY**, Sing CW, Cheng VKF, Tan KCB, Kung AWC, Cheung CL. (2020) **Serum Metabolome of Coffee Consumption and its Association With Bone Mineral Density: The Hong Kong Osteoporosis Study.** *J Clin Endocrinol Metab.* 105(3):e619-e627.
15. **Li GH**, Robinson-Cohen C, Sahni S, Au PC, Tan KC, Kung AW, Cheung CL. (2020) **Association of Genetic Variants Related to Serum Calcium Levels with Reduced Bone Mineral Density.** *J Clin Endocrinol Metab.* 105(2):e328-e336.
16. Lam MT, Sing CW, **Li GHY**, Kung AWC, Tan KCB, Cheung CL. (2020) **Development and Validation of a Risk Score to Predict the First Hip Fracture in the Oldest Old: A Retrospective Cohort Study.** *J Gerontol A Biol Sci Med Sci.* 75(5):980-986.
17. **Li GH**, Cheung CL, Au PC, Tan KC, Wong IC, Sham PC. (2019) **Positive effects of low LDL-C and statins on bone mineral density: an integrated epidemiological observation analysis and Mendelian Randomization study.** *International Journal of Epidemiology.* Online ahead of print.
18. Leung RYH, **Li GHY**, Cheung BMY, Tan KCB, Kung AWC, Cheung CL. (2019) **Serum metabolomic profiling and its association with 25-hydroxyvitamin D.** *Clin Nutr.* 39(4):1179-1187.
19. Cheung CL, Tan KC, Au PC, **Li GH**, Cheung BM. (2019) **Evaluation of GDF15 as a therapeutic target of cardiometabolic diseases in human: A Mendelian randomization study.** *EBioMedicine* 41:85-90.
20. **Li GH**, Deng HW, Kung AW, Huang QY. (2011) **Identification of genes for bone mineral density variation by computational disease gene identification strategy.** *J*

Bone Miner Metab 29(6):709-716.

21. **Li GH**, Cheung CL, Xiao SM, Lau KS, Gao Y, Bow CH, Huang QY, Sham PC, Kung AW (2011) **Identification of QTL genes for BMD variation using both linkage and gene-based association approaches.** Hum Genet 130(4):539-546.
22. **Li GH**, Kung AW, Huang QY. (2010) **Common variants in FLNB/CRTAP, not ARHGEF3 at 3p, are associated with osteoporosis in southern Chinese women.** Osteoporos Int 21(6):1009-1020.
23. Kung AW, Xiao SM, Cherny S, **Li GH**, Gao Y, Tso G, Lau KS, Luk KDK, Liu JM, Cui B, Zhang MJ, Zhang ZL, He JW, Yue H, Yue H, Xia WB, Luo LM, He SL, Kiel DP, Karasik D, Hsu YH, Cupples LA, Demissie S, Stykarsdottir U, Halldorsson BV, Sigurdsson G, Sigurdsson G, Thorsteinsdottir U, Stefansson K, Richards JB, Zhai G, Soranzo N, Valdes A, Spector TD, Sham PC. (2010) **Association of JAG1 with bone mineral density and osteoporotic fractures: a genome-wide association study and follow-up replication studies.** Am J Hum Genet 86(2):229-239.
24. Huang QY, **Li GH**, Kung AW. (2009) **The -9247 T/C polymorphism in the SOST upstream regulatory region that potentially affects C/EBPalpha and FOXA1 binding is associated with osteoporosis.** Bone 45(2):289-294.
25. Huang QY, **Li GH**, Kung AW. (2009) **Multiple osteoporosis susceptibility genes on chromosome 1p36 in Chinese.** Bone 44(5):984-988.
26. Wang XY, Lai ZS, Yeung CM, Wang JD, Deng W, **Li HY**, Han YJ, Kung HF, Jiang B, Lin MC. (2008) **Establishment and characterization of a new cell line derived from human colorectal laterally spreading tumor.** World J Gastroenterol 14(8):1204-1211.
27. Huang QY, **Li GH**, Cheung WM, Song YQ, Kung AW. (2008) **Prediction of osteoporosis candidate genes by computational disease-gene identification strategy.** J Hum Genet 53(7):644-655.
28. Ng SS, Gao Y, Chau DH, **Li GH**, Lai LH, Huang PT, Huang CF, Huang JJ, Chen YC, Kung HF, Lin MC. (2007) **A novel glioblastoma cancer gene therapy using AAV-mediated long-term expression of human TERT C-terminal polypeptide.** Cancer Gene Ther 14(6):561-572.
29. Ng SS, Cheung YT, An XM, Chen YC, Li M, **Li GH**, Cheung W, Sze J, Lai L, Peng Y, Xia HH, Wong BC, Leung SY, Xie D, He ML, Kung HF, Lin MC. (2007) **Cell cycle-related kinase: a novel candidate oncogene in human glioblastoma.** J Natl Cancer Inst 99(12):936-948.
30. Lum CT, Yang ZF, **Li HY**, Wai-Yin Sun R, Fan ST, Poon RT, Lin MC, Che CM, Kung HF. (2006) **Gold(III) compound is a novel chemocytotoxic agent for hepatocellular carcinoma.** Int J Cancer 118(6):1527-1538.

Representative Conference Presentation:

1. **Li GH**, Cheung CL, Zhao SX, Song HD, Kung WC (Oct 2020). **Genome-wide meta-analysis reveals novel susceptibility loci for thyrotoxic periodic paralysis.** Plenary oral presentation at the 17th Asia-Oceania Congress of Endocrinology and the 8th Seoul International Congress of Endocrinology and Metabolism, Virtual (Online) Congress.
2. **Li GH**, Cheung CL, Au PC, Tan KC, Wong IC, Sham PC (Sep 2019). **Positive effects of low LDL-C and statins on bone mineral density: an integrated epidemiological observation analysis and Mendelian Randomization study.** Plenary poster presentation at the American Society of Bone and Mineral Research 2019 annual

meeting, Orlando, Florida, USA.

3. **Li GH**, Cheung CL, Au PC, Tan KC, Wong IC, Sham PC (May 2019). **Positive effects of low LDL-C and statins on bone mineral density: an integrated epidemiological observation analysis and mendelian randomization study**. Poster presentation at the 20th Regional Osteoporosis Conference, Hong Kong.
4. **Li GH** and Cheung CL (April 2018). **Diabetes is associated with reduced bone microarchitecture: the Hong Kong Osteoporosis Study**. Oral presentation at the 6th Seoul International Congress of Endocrinology and Metabolism, Seoul, Korea. Awarded travel grant.