

Names: Chan Kei Hang Katie

Academic qualifications:

2007-	The University of California, Los Angeles (UCLA)	Los Angeles, CA,
2012	Doctor of Philosophy in Epidemiology Jonathan and Karin Fielding School of Public Health	USA
2004-	The University of Southern California (USC)	Los Angeles, CA,
2006	Keck School of Medicine Master in Public Health (Epidemiology and Biostatistics)	USA
2000-	The University of Hong Kong (HKU)	Hong Kong
2004	Department of Electrical and Electronic Engineering (EEE) Bachelor of Information Engineering	
2002-	Drexel University	Philadelphia, PA,
2003	Global Engineering Exchange Scheme	USA

Previous academic positions held:

2017-2018	Honorary Assistant Professor (by courtesy), Department of Medicine and Therapeutics, CUHK
2016-2018	Research Assistant Professor, Hong Kong Institute of Diabetes and Obesity, CUHK
2013-2016	Postdoctoral Associate, Center for Global Cardiometabolic Health, Brown University
2013-2015	Visiting Postdoctoral Fellow, Integrative Biology and Physiology, UCLA
2012-2013	Postdoctoral Fellow, Human Genetics, UCLA
2008-2012	Graduate Student Researcher, Genetic and Molecular Epidemiology, UCLA
2006-2007	Project Coordinator, Department of Epidemiology, USC
8/2006 – 10/2006	Intern, World Health Organization, Geneva
2004-2006	Graduate Assistant, Department of Epidemiology, USC

Present academic position:

2018-	Assistant Professor, Departments of Biomedical Sciences and Electrical Engineering, City University of Hong Kong
2016-	Adjunct Assistant Professor, Department of Epidemiology, Center for Global Cardiometabolic Health, Brown University

Previous and current relevant research work:

My research focus is in Genetic and Molecular Epidemiology, Systems Biology and Bioinformatics. My research focuses on investigating the complex network of complex disease by integrating genetic variants, biomarkers and environmental data collected in diverse populations. I am interested in investigating the complex network of multifaceted diseases, which may deliver a novel preventive approach, diagnoses, and treatment for diseases of major global burden. I am conducting translational research in identifying genetic and phenotypic determinants of complex disease, particularly in cardiovascular diseases and its comorbidities.

Publication records:

Section A – Five most representative publications in recent 5 years

1. Prospective associations of waist-to-height ratio with cardiovascular events of postmenopausal women.
K. Lo, Q. Liu, M. Allison, Y. Q. Feng, **K. K. Chan**, L. Philips, J. Manson, S. Liu. Diabetes Care. 2019 Sept; 42(9): e148-e149.
2. Genetic Determinants for Leisure-Time Physical Activity.

- X. Lin, **K. K. Chan**, Y. T. Huang, X. Luo, L. Liang, J. Wilson, A. Correa, D. Levy, S. Liu. *Med Sci Sports Exerc.* 2018 Aug;50(8):1620-1628.
3. Shared genetic regulatory networks for cardiovascular disease and type 2 diabetes in multiple populations of diverse ethnicities in the United States.
Shu L†, **Chan KH**†, Zhang G, Huan t, Kurt Z, Zhao Y, Codoni V, Yang J, Wilson JG, Luo X, Levy D, Lusi AJ, Liu S, Yang X. *PLoS Genet.* 2017 Sep 28;13(9):e1007040. †Shu L and Chan KH contributed equally to the manuscript
 4. Leveraging Multi-Ethnic Evidence for Mapping Complex Traits in Minority Populations: An Empirical Bayes Approach. *American Journal of Human Genetics.*
Cora M, Candille S, Duan Q, **Chan KH**, Li Y, Kooperberg C, Reiner A, Tang H. May 2015.
 5. Shared molecular pathways and gene networks for cardiovascular disease and type 2 diabetes in women across diverse ethnicities. *Circulation: Cardiovascular Genetics.*
Chan KH, Huang Y, Meng Q, Wu C, Reiner A, Sobel E, Tinker L, Lusi A, Yang X, Liu S. 2014 Dec; 7(6):911-9. PMID: In process.
- Section B - Five most representative publications beyond recent 5 years
6. Genetic Variations in Magnesium-Related Ion Channels May Affect Diabetes Risk among African American and Hispanic American Women.
Chan KH, Chacko SA, Song Y, Cho M, Eaton CB, Wu WC, Liu S. *Journal of Nutrition.* 2015 Mar; 145(3): 418-24. PMID: PMC4336527
 7. Common Genetic Variants in Peroxisome Proliferator-Activated Receptor Gamma (*PPARG*) and Type 2 Diabetes Risk among Women’s Health Initiative Postmenopausal Women.
Chan KH†, Niu T†, Ma Y, You NC, Song Y, Sobel E, Hsu Y, Balasubramanian R, Qiao Y, Tinker L, Liu S. *J Clin Endocrinol Metab.* 2013 Feb 5. PMID: PMC3590470. †Chan KH and T. Niu contributed equally to the manuscript
 8. Common variations in the genes encoding C-reactive protein, tumor necrosis factor-alpha, and interleukin-6, and the risk of clinical diabetes in the Women's Health Initiative Observational Study.
Chan KH†, Brennan K†, You NC, Lu X, Song Y, Hsu Y, Chaudhuri G, Nathan L, Tinker L, Liu S. *Clin Chem.* 2011 Feb; 57(2):317-25. PMID: PMC3057051. †Chan KH and K. Brennan contributed equally to the manuscript.
 9. Common Genetic Variants in Fatty Acid Binding Protein-4 (FABP4) and Clinical Diabetes Risk in the women’s Health Initiative Observational Study.
Chan KH, Song Y, Hsu Y, You NC, Tinker L, Liu S. *Obesity* (Silver Spring). 2010 Jan 28. PMID: PMC3192651.
 10. Fourier and Spectral Envelope Analysis of Medically Important Bacterial and Fungal Sequences (Undergraduate Final Year Project).
Chan KH, Chang C, Chan FHY. *47th IEEE International Midwest Circuit and systems proceedings*, July 2004, pp. III-175 - III-178.

Awards and Honors:

2017-2018	Health and Medical Research Fund – Research Fellowship Scheme Awardee (HKD 622,586) titled “Genome-wide Association of Copy Number Variation in Epithelial Cancer in People with Diabetes”
2012-	Member of the Delta Omega Honorary Society in Public Health
2010-2013	Burroughs-Wellcome Fellowship, Burroughs Wellcome Fund Inter-School Training Program in Metabolic Diseases
2009-2010	Weisman Memorial Fellowship
2008-2009	University Fellowship in Epidemiology
2006	USC Research Assistant Fellowship
2002-2003	HKU Worldwide Exchange Scholarship