

Haogao GU

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EDUCATION

- **The Univeristy of Hong Kong**, Hong Kong, China Sep. 2016 – Present
Master of Philosophy Student, School of Public Health
- **Sun Yat-sen University**, Guangzhou, China Sep. 2011 – Jun. 2016
Bachelor of Preventive Medicine, School of Public Health

RESEARCH & WORK EXPERIENCE

- **Research Assistant**
 - **The University of Hong Kong** May. 2016 – Aug. 2016
Department of Laboratory Sciences, School of Public Health #Visitor RA
 - **Zhongshan Center for Disease Control and Prevention** Oct. 2015 – Jan. 2016
Department of Infectious Disease Prevention, AIDS Control, and Environmental Health
 - **Guangzhou Center for Disease Control and Prevention** Aug. 2014 – Sep. 2014
Department of Infectious Disease Prevention and Control
 - **Panyu Center for Disease Control and Prevention** Aug. 2013 – Sep. 2013
Department of Health Education
- **Intern**
 - **Huizhou Municipal Central Hospital** Jul. 2015 – Sep. 2015
Department of cardiovascular medicine, Gastroenterology and Infectious disease
 - **The Sixth Affiliated Hospital of Sun Yat-sen University** Sep. 2014 – Nov. 2014
Department of Nephrology, Gastroenterology, Paediatrics, Neurology and Infectious diseases
 - **Zhongshan People's Hospital** Jan. 2012 – Jan. 2012
Department of Neurology

PUBLICATIONS

- **Gu Haogao**, Ross Ka-Kit Leung, Hao Yuantao. Are We Ready to Predict The Next Wave of H7N9 Epidemics? A Comprehensive Assessment of Models, Static and Dynamic Factors, *Scientific Reports*, submitted.
- **Gu Haogao**, Ross Ka-Kit Leung, Jing Qinlong, et al. Meteorological Factors for Precise Dengue Fever Control and Prevention in South China, *International Journal of Environmental Research and Public Health*, 13(9), 867.
- Tianmu Chen, **Haogao Gu**, Ross Ka-Kit Leung, et al. Evidence-based interventions of norovirus outbreaks, *BMC Public Health*, 16(1), (2016): 1072.
- **Gu Hao-gao**, Zhang Wang-jian, Xu Hao, et al. Estimating Risk Region of Avian Influenza (H7N9) Epidemic in China, *Chinese Journal of Epidemiology*, 2015, 36(5): 470-475.
- Li Peng-yuan, Xu Hao, **Gu Hao-gao**, et al. Epidemiological Characteristics of Influenza Virus H7N9 and Evolutionary Analysis of Hemagglutinin and Neuraminidase Genes, *Journal of Sun Yat-sen University (Medical Sciences)*, 2014(06): 932-940.

HONORS & AWARDS

- Postgraduate **Scholarship** of The University of Hong Kong Sep. 2016
- Big Data Analysis-Data Mining Competition 2015 of Sun Yat-sen University
The **2nd Place** of over 50 participants Oct. 2015
- Preventive Medicine Innovation Competition of Guangdong
The **Second Prize** of the Student Research Competition Jun. 2015
- 13th National Science and Technology Innovation Competition
The **Third prize** (*8th Place*) of Sun Yat-sen University Dec. 2014
- Student Research Competition of International Symposium for One Health Research
The **First Prize** (*1st Place*) Nov. 2014
- Individual **Scholarship**, Sun Yat-sen University Aug. 2013
- The Third Prize **Scholarship**, Sun Yat-sen University Aug. 2012
- **Gold Medal** of Chinese National Olympiad in Biology Sep. 2010
 - *Only 20 winners of over 2000 finalists.*
 - *Therefore acquired guaranteed admission to Sun Yat-sen University.*

OTHER ACADEMIC WORKS

- **Invited Talk** to the Zhongshan Center for Disease Control and Prevention Jun. 2016
 - An introduction to the practical time series analysis in influenza epidemics.
- **Oral Presentation** in 10th Asia-Pacific Congress of Medical Virology 2015 Oct. 2015
 - A assessment of models, static and dynamic factors for predicting H7N9 epidemics in China.
- **Oral Presentation** in CEID 12th Annual Scientific Meeting student exchange session Jun. 2015
 - The presentation was about predicting the outbreak of H7N9 and estimating different risk factors with spatial auto regression (SAR) and generalized additive model (GAM).
- **Project Approval and Grant** from National Undergraduate Innovation Training Program Jun. 2015
 - A study focused on digital epidemiology, applying social media data to construct H7N9 predictive model.

TECHNICAL SKILLS

- Statistical Tools: R, SAS, SPSS, Epidata.
- Other Tools: Unix Operation, Python, \LaTeX , ArcGIS, SatScan, Circos, Zotero.