Haogao GU

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Sun Yat-sen University, Guangzhou, China   Mobile: (86)135-6037-2490

EDUCATION

- **Sun Yat-sen University**, Guangzhou, China   Sep. 2011 – Present
  School of Public Health Five-year Bachelor's Degree Program of Preventive Medicine
  Overall GPA: 3.1/4.0
  IELTS: 7.5 (Listening:8.0 Reading:9.0 Writing:6.5 Speaking:6.0)

RESEARCH & WORK EXPERIENCE

- **Research Assistant**   OCT. 3, 2015 – Jan. 29, 2016
  Zhongshan Center for Disease Control and Prevention, Zhongshan, Guangdong, China
  Department of Infectious Disease Prevention and Control, AIDS Control, and Environmental Health

- **Intern**   Jul. 6, 2015 – Sep. 25, 2015
  Huizhou Municipal Central Hospital, Huizhou, Guangdong, China
  Department of cardiovascular medicine, Gastroenterology and Infectious disease

- **Intern**   Sep. 22, 2014 – Nov. 21, 2014
  The Sixth Affiliated Hospital of Sun Yat-sen University, Guangzhou, China
  Department of Nephrology, Gastroenterology, General surgery, Gynaecology and Obstetrics, Paediatrics, Neurology and Infectious diseases

- **Research Assistant**   Aug. 22, 2014 – Sep. 19, 2014
  Guangzhou Center for Disease Control and Prevention, Guangzhou, China
  Department of Infectious Disease Prevention and Control

- **Research Assistant**   Aug. 13, 2013 – Sep. 13, 2013
  Panyu Center for Disease Control and Prevention, Guangzhou, China
  Department of Health Education

- **Intern**   Jan. 6, 2012 – Jan. 20, 2012
  Zhongshan People's Hospital, Zhongshan, Guangdong, China
  Department of Neurology

PUBLICATIONS

- Ross Ka-Kit Leung, Tianmu Chen, Gu Haogao, et al. *Evidence-based interventions of norovirus outbreaks*, `BMC Infectious Diseases`, submitted.

- Gu Haogao, Ross Ka-Kit Leung, Jing Qinlong, et al. *Meteorological Factors for Precise Dengue Fever Control and Prevention in South China*, `PLOS Neglected Tropical Diseases`, submitted.

- 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*, `Nature Communications`, submitted.

- 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

- Big Data Analysis-Data Mining Competition 2015 of Sun Yat-sen University   Oct. 2015
  The **2ⁿᵈ Place** of over 50 participants

- Preventive Medicine Innovation Competition of Guangdong   Jun. 2015
  The **Second Prize** of the Student Research Competition

- 13ᵗʰ National Science and Technology Innovation Competition   Dec. 2014
  The **Third prize** (*8ᵗʰ Place*) of Sun Yat-sen University

- Student Research Competition of International Symposium for One Health Research   Nov. 2014
  The **First Prize** (*1ˢᵗ Place*)

- Individual Scholarship, Sun Yat-sen University   Aug. 2013

- The Third Prize Scholarship, Sun Yat-sen University   Aug. 2012

- China National Olympiad in Biology   Sep. 2010
  Guangdong Regional Contest **Gold Medal**
    - *Only 20 winners of over 2000 finalists.*
    - *Therefore acquired guaranteed admission to Sun Yat-sen University.*

OTHER ACADEMIC WORKS

- 10ᵗʰ Asia-Pacific Congress of Medical Virology 2015   Oct. 2015
  Oral Presentation
    - Presentation of a comprehensive assessment of models, static and dynamic factors for predicting H7N9 epidemics in China.

- CEID 12ᵗʰ Annual Scientific Meeting student exchange session   Jun. 2015
  Oral Presentation
    - 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 of National Undergraduate Innovation Training Program   Jun. 2015
    - A study focused on digital epidemiology, applying social media data to construct H7N9 predictive model.

- Project approval of Students Scientific Research Program, Sun Yat-sen University   Jan. 2015
    - A study designed to predict dengue fever epidemics on the basis of IPCC-AR5 models.

- Project approval of Students Summer Scientific Research Program, Sun Yat-sen University   Jun. 2014
    - A study focused on identifying risk region of avian influenza (H7N9) epidemic in China.

- Project approval of Students Scientific Research Program, Sun Yat-sen University   May. 2014
    - A study analysed the hemagglutinin and neuraminidase genes of influenza virus H7N9 in order to identify their epidemiological characteristics.

TECHNICAL SKILLS

- Statistical Tools: R, SAS, SPSS, Epidata.

- Other Tools: LaTeX, Python, ArcGIS, GeoDa, Zotero.