**Curriculum Vitae**

**Personal Data**

Name: AI SEON KUAN

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**Educational Background**

2015 – 2018 University of Oxford

DPhil in Population Health (Cancer Epidemiology)

2014 – 2015 University of Oxford

MSc in Global Health Science

2007 – 2014National Yang-Ming University (NYMU)

Doctor of Medicine (*cum laude*)

**Current Position**

Aug. 2019 – Institute of Public Health, NYMU, Taiwan

Position: Assistant Professor

Aug. 2019 – Neurological Institute, Taipei Veterans General Hospital, Taiwan

Position: Resident in neurosurgery

**Employment History**

Sep. 2018 – Jul. 2019 Taipei Veterans General Hospital

Position: Resident (postgraduate-year training program)

Oct. 2017 – Aug. 2018 Nuffield Department of Population Health, University of Oxford, UK

Position: Biostatistics teaching fellow/ MSc student supervisor

May 2017 – Jun. 2017 National Cancer Institute, National Institutes of Health, USA

Position: Visiting research fellow

Jun. 2013 – May 2014 Taipei Veterans General Hospital, Taiwan

Position: Medical and surgical intern

Apr.2013 – May 2013 University Hospital, University of California, San Diego, USA

Position: Visiting surgical and radiology sub-intern

Feb.2013 – Mar.2013 University of California, Davis, Center for neuroscience, USA

&Jun.2010–Sep.2010 Position: Visiting research fellow

**Research activity**

Primary investigator Lifestyle, dietary factors and risk of CNS tumors in the Million Women Study

Primary investigator Pre-diagnostic factors and CNS tumor survival in the Million Women Study

Primary investigator Band form white blood cells and subsequent infection, sepsis, and mortality

Primary investigator Diet and risk of glioma in the NIH-AARP Study and the PLCO Study

Collaborator Risk factors for migraine and migraine co-morbidities in a migraine cohort

Collaborator Brain MRI imaging in relation to central nervous system diseases

Collaborator Foods, nutrients, dietary patterns and risk of CNS tumors in the EPIC Study

Collaborator Diet and risk of cancers of the breast, pancreas, and colorectum, stroke, and

Parkinson’s Disease in the Million Women Study

**Relevant Skills**

Epidemiology Cancer epidemiology, systematic review/meta-analysis, observational studies

Software Statistical analysis in Stata and R, deep learning (Keras/Tensorflow) in Python

Laboratory Ion channel recording via inside-out patch clamping technique

Language English, Mandarin, Cantonese, Malay, and Taiwanese (basic)

**Licensure**

National Board of Medical License, Taiwan

**Awards**

1. Travel award to the 18th Congress of the International Headache Society, 2017
2. Outstanding award, annual thesis competition, NYMU, 2014
3. Best intern doctor award, Taipei Veterans General Hospital, Taiwan, 2013–2014
4. Honour student award, Faculty of Medicine, NYMU, 2013
5. Travel award to University Hospital, University of California San Diego, 2013
6. Travel awards to Center for Neuroscience, University of California Davis, 2010 and 2013
7. Best intern doctor award in 2012, NYMU Hospital, Taiwan
8. First prize in thesis presentation, Faculty of Medicine, NYMU, 2010

**Oral/Poster Presentations**

1. **Kuan AS**, Sweetland S, Green J. Diet and risk of Glioma in three large prospective studies. Annual Symposium of the Nuffield Department of Population Health University of Oxford 2018
2. **Kuan AS**, Chen SP, Wang YF, Fuh JL, Cheng CY, Peng KP, Wang SJ. Risk Factors for Syncope in a Migraine Cohort. 18th Congress of the International Headache Society 2017.
3. Zhou CD, **Kuan AS**, Reeves GK, Green J, Beral V, Yang TYO. Coffee Consumption and risk of pancreatic cancer among non-smokers in the Million Women Study. National Cancer Research Institute 2016.
4. Yu Y, **Kuan AS**, Chen TY. Calcium-Calmodulin Does Not Alter the Anion Permeability of the TMEM16A Calcium-Activated Chloride Channel. Biophysical Society 58th Annual Meeting 2014.
5. Ni YL, **Kuan AS**, Chen TY. Activation and inhibition of TMEM16A calcium-activated chloride channels. Biophysical Society 58th Annual Meeting 2014.
6. **Kuan AS**, Chen Y. Colonic Perforation after Non-Steroidal Anti-Inflammatory Drug Use. Taiwanese Association of Pediatric Surgeons 14th Annual Meeting 2013.

**Publications**

1. **Kuan AS**, Chen TJ, Lee WC. Barriers to health care services in migrants and potential strategies to improve accessibility: a qualitative analysis. [Accepted]
2. **Kuan AS**, Chen TJ. Healthcare data research: The inception of the Taipei Veterans General Hospital Big Data Center. Journal of the Chinese Medical Association : JCMA. 2019;82(9):679.
3. **Kuan AS**, Chen SP, Wang YF, Fuh JL, Cheng CY, Peng KP, et al. Risk factors and psychological impact of syncope in migraine patients. Cephalalgia. 2019:333102419865253.
4. Lin CH, Yang CF, Yang HC, Fay LY, Yeh CM, **Kuan AS**, et al. Risk Prediction for Early Mortality in Patients with Newly Diagnosed Primary CNS Lymphoma. J Cancer. 2019;10(17):3958-66.
5. **Kuan AS**, Green J, Kitahara CM, Berrington de Gonzalez A, Key T, Reeves G, et al. Diet and risk of glioma: combined analysis of three large prospective studies in the UK and USA. Neuro Oncol. 2019.
6. Zhou CD, **Kuan AS**, Reeves GK, Green J, Floud S, Beral V, Yang TNO. Coffee and pancreatic cancer risk among never-smokers in the UK prospective Million Women Study. Int J Cancer. 2018 [Epub ahead of print]
7. Key TJ, Angela B, Bradbury KE, Reeves GK, **Kuan AS**, Simpson RF, Green J, Beral V. Foods, macronutrients and breast cancer risk in postmenopausal women: a large UK cohort. Int J Epidemiol. 2018. [Epub ahead of print]
8. Tsai CK, Huon LK, Ou SM, **Kuan AS**, Yeh CM, Lee YT, Liu YC, Chen TJ, Liu JH, Liu CJ. Risk and impact of tuberculosis in patients with multiple myeloma. Leuk Lymphoma. 2017;58(11):2598-606.
9. **Kuan AS**, Tseng SH, Weng CC, Chen Y. Colonic perforation after nonsteroidal anti-inflammatory drug use in a 2.7-year-old boy. J Pediatr Gastroenterol Nutr. 2015;60(5):e41-3.
10. **Kuan AS**, Chen SC, Yeh CM, Hung MH, Hung YP, Chen TJ, Liu CJ. Risk of Ischemic Stroke in Patients With Gastric Cancer: A Nationwide Population-Based Cohort Study. Medicine (Baltimore). 2015;94(37):e1336.
11. Hung N, Shen CC, Hu YW, Hu LY, Yeh CM, Teng CJ, **Kuan AS**, Chen SC, Chen TJ, Liu CJ. Risk of cancer in patients with iron deficiency anemia: a nationwide population-based study. PLoS One. 2015;10(3):e0119647.
12. Yu Y, **Kuan AS**, Chen TY. Calcium-calmodulin does not alter the anion permeability of the mouse TMEM16A calcium-activated chloride channel. J Gen Physiol. 2014;144(1):115-24.
13. Ni YL, **Kuan AS**, Chen TY. Activation and inhibition of TMEM16A calcium-activated chloride channels. PLoS One. 2014;9(1):e86734.
14. **Kuan AS**, Teng CJ, Wu HH, Su VY, Chen YT, Chien SH, Yeh CM, Hu LY, Chen TJ, Tzeng CH, Liu CJ. Risk of ischemic stroke in patients with ovarian cancer: a nationwide population-based study. BMC Med. 2014;12:53.
15. **Kuan AS**, Chen YT, Teng CJ, Wang SJ, Chen MT. Risk of meningioma in patients with head injury: a nationwide population-based study. J Chin Med Assoc. 2014;77(9):457-62.