

Education and Training

BSc. Joint Hons. Psychology and Zoology University College Swansea, University of Wales, U.K.

MSc. Behavioural Neuroscience Department of Medical Physiology, University of Calgary, Canada

PhD. Epidemiology Department of Health Care and Epidemiology, University of British Columbia, Canada

Current Position

Research Associate/ Epidemiologist, Faculty of Medicine, University of British Columbia (UBC), Canada

Current Research Interests and Areas of Discipline

Current research interests include the epidemiology of multiple sclerosis (MS) (survival and mortality; incidence and prevalence; co-morbidities; the natural course and disease progression; risk factors for MS) and the risks, benefits and long-term influence of MS disease-modifying therapies. My research in MS has focused mainly on a population-based approach utilizing health administrative and clinical databases. More broadly, my interests include epidemiological methods and observational study design including pharmacoepidemiology; neuroepidemiology; cohort, case control and nested case-control studies; biostatistics; health measurement; health behavior and questions related to gender and health.

Funding

I have been funded through competitive fellowships/scholarships and research grants (as a co-investigator) from the Alberta Heritage Foundation for Medical Research, the MS Society of Canada, the Michael Smith Foundation for Health Research, the Canadian Institutes of Health Research, the U.S. National MS Society and the French MS Society (Fondation ARSEP).

Select Publications

- Kingwell E**, Leray E, Zhu F, Petkau J, Edan G, Oger J, Tremlett H: Multiple sclerosis: effect of beta interferon treatment on survival. *Brain* 2019;142:1324-1333.
- Kowalec K, Wright G, Drogemoller BI, Aminkeng F, Bhavsar A, **Kingwell E**, et al.: Common variation near IRF6 is associated with IFN-beta-induced liver injury in multiple sclerosis. *Nat Genet* 2018;50:1081-1085.
- Wijnands JMA, **Kingwell E**, Zhu F, Zhao Y, Hogg T, Stadnyk K, et al.: Health-care use before a first demyelinating event suggestive of a multiple sclerosis prodrome: a matched cohort study. *Lancet Neurol* 2017;16:445-451.
- McKay KA, Tremlett H, Zhu F, Kastrukoff L, Marrie RA, **Kingwell E**: A population-based study comparing multiple sclerosis clinic users and non-users in British Columbia, Canada. *Eur J Neurol* 2016;23:1093-1100.
- Kingwell E**, Zhu F, Marrie RA, Fisk JD, Wolfson C, Warren S et al. High incidence and increasing prevalence of multiple sclerosis in British Columbia, Canada: findings from over two decades (1991-2010). *J Neurol* 2015;262(10):2352-2363
- Kingwell E**, Evans C, Zhu F, Hashimoto S, Oger J, Tremlett H. Assessment of cancer risk with beta-interferon treatment for multiple sclerosis. *J. Neurol. Neurosurg. Psychiatry* 2014;85(10):1096-1102
- Kingwell E**, Marriott JJ, Jetté N, Pringsheim T, Makhani N, Morrow SA et al. Incidence and prevalence of multiple sclerosis in Europe: a systematic review. *BMC Neurol.* 2013;13(1):128
- Kingwell E**, Bajdik C, Phillips N, Zhu F, Oger J, Hashimoto S, Tremlett H. Cancer risk in Multiple Sclerosis: findings from British Columbia, Canada. *Brain* 2012;135:2973-9.
- Shirani A, Zhao Y, Karim ME, Evans C, **Kingwell E**, van der Kop ML et al. Association between use of interferon beta and progression of disability in patients with relapsing-remitting multiple sclerosis. *JAMA* 2012;308(3):247-56.
- Kingwell E**, van der Kop M, Zhao Y, Shirani A, Zhu, F, Oger J, Tremlett H. Relative mortality and survival in multiple sclerosis: Findings from British Columbia, Canada. *J. Neurol. Neurosurg Psychiatry* 2012;83(1):61-6.
- Kingwell E**, Koch M, Leung B, Isserow S, Geddes J, Rieckmann P, Tremlett H. Cardiotoxicity and other adverse events associated with mitoxantrone treatment for MS. *Neurology* 2010;74(22):1822-1826.
- Kingwell E**, Leung A, Roger E, Duquette P, Rieckmann P, Tremlett H. Factors associated with delay to medical recognition in two Canadian multiple sclerosis cohorts. *J. Neurol. Sci.* 2010;292:57-62