

TCD Biochemical Society

Presents: Dr. Brian Green

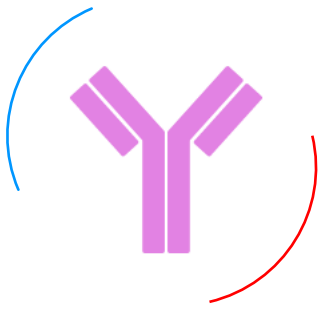
Institute for Global Food Security, Queen's University
Belfast, School of Biological Sciences



“Using Metabolomics to uncover disease mechanisms in Alzheimer’s disease”

Research Highlights:

- Xiaobei Pan, Muhammad Bin Nasaruddin, Christopher T. Elliott, Bernadette McGuinness, Anthony P. Passmore, Patrick G. Kehoe, Christian Hölscher, Paula L. McClean, Stewart F. Graham, Brian D. Green, Alzheimer's disease–like pathology has transient effects on the brain and blood metabolome, *Neurobiology of Aging*, Volume 38, 2016, Pages 151-163. doi.org/10.1016/j.neurobiolaging.2015.11.014.
- Graham, S. F., Chevallier, O. P., Elliott, C. T., Hölscher, C., Johnston, J., McGuinness, B., ... Green, B. D. (2015). Untargeted metabolomic analysis of human plasma indicates differentially affected polyamine and L-arginine metabolism in mild cognitive impairment subjects converting to Alzheimer's disease. *PloS one*, 10(3), e0119452. doi:10.1371/journal.pone.0119452.
- Pan, X., Cunningham, E. L., Passmore, A. P., McGuinness, B., McAuley, D. F., Beverland, D., ... & Green, B. D. (2019). Cerebrospinal Fluid spermidine, Glutamine and putrescine predict postoperative Delirium Following elective orthopaedic surgery. *Scientific reports*, 9(1), 4191. doi.org/10.1038/s41598-019-40544-3.



TCD Biochemical Society

Presents: Dr. Brian Green

Institute for Global Food Security, Queen's University
Belfast, School of Biological Sciences



“Using Metabolomics to uncover disease mechanisms in Alzheimer’s disease”

Thursday 21st of November
FRED, Level 5, TBSI

Tea, coffee and sandwiches
served from 12:45 in room
6.07

