Professor Giles Hardingham
Associate Director, UK Dementia Research Institute at The University of Edinburgh

12.30 – 13.30
Wednesday 14 November 2018
Seminar Rooms 4/5, Wolfson Education Centre, Hammersmith Campus
Light lunch available from 12.00 in Wolfson Café

Signalling pathways to degeneration and resilience in the CNS

Professor Hardingham’s research group focuses on signalling events within and between neurons and glia, and how these interactions shape brain development and homeostasis as well as drive pathological cascades.

The overarching aim is to understand how signaling between and within different components of the neuroglial system maintains brain homeostasis, and how this goes awry in disease.

There is a deficit in our fundamental understanding of how neurons and glia control each other’s properties both basally, in response to physiological stimuli, and under pathological conditions. By exploiting new approaches that allow us to profile multiple cell types simultaneously we will uncover novel mechanisms by which inter- and intra-cellular signals integrate to achieve homeostasis in the neuroglial unit, and uncover mechanisms of non cell-autonomous neurotoxicity in neurodegeneration.

Hosted by Professor Paul M Matthews (p.matthews@imperial.ac.uk)
Contact Dr Jennifer Podesta (j.podesta@imperial.ac.uk) to arrange to meet with the speaker

https://www.imperial.ac.uk/dementia-research-institute/seminars/