Biografía

Shane O’Mara graduated from University College Galway (on the west coast of Ireland) and subsequently undertook his graduate work at the University of Oxford in the laboratory of Prof Edmund Rolls, where he investigated the representation of space in the primate hippocampus. Thereafter he moved to a postdoctoral position in Trinity College Dublin, where he worked on the role of metabotropic glutamate receptors in long-term potentiation. He subsequently established his own laboratory and his particular research interests generally focus on the relations between the neurobiology of memory and the functions of the hippocampal formation. He currently has three main areas of research interest: (i) relations between synaptic plasticity, hippocampal formation function and learning and memory, using genetic, biochemical and behavioural, neurophysiological methods; (ii) investigations of hippocampal-cortical interaction, with a particular emphasis on the role of the subiculum as a mediator of this interaction; (iii) the interface between neuroinflammation and neuroplasticity (with a particular emphasis on the roles of the cyclooxygenases and interferons).

References