“Concept Cells and Their Role In Memory”

Summary:
Intracranial recordings in patients suffering from intractable epilepsy allow studying the firing of multiple single neurons in awake and behaving human subjects. These studies have shown that neurons in the human medial temporal lobe represent concepts, responding to particular persons or objects, such as Jennifer Aniston, Luke Skywalker or the Sydney Opera House. I will show the main characteristic of these neurons and argue that they are the building blocks for declarative memory functions. If time permits, I will also show complementary studies with analogous experiments in mice.

Thursday 6th October 2016 • 15:00-16:00
Lecture Theatre 2, Centre for Medicine

All welcome - e-mail jem64@le.ac.uk with questions