

Challenge 3 Rodent Big Brother

Automated recording of rodent activity and temperature in the home cage

Name	Organisation	Expertise
Dr Ian Ragan (Chair)	NC3Rs Board member	Neuropharmacology
Dr Mathieu Albasser	Lilly*	Neuroscience, behavior, learning and memory
Professor Richard Bayford	Middlesex University	Electrical impedance tomography; depth brain stimulation and modelling; medical signal processing and imaging
Dr Peter Brennan	University of Bristol	Electrophysiological recording from mice; behavioural analysis; neural pathway testing
Dr James Brusey	Coventry University	Development of wireless sensor network systems; robotics; reinforcement learning
Dr Paul Brooker	Huntingdon Life Sciences	Toxicology; pharmacology; pharmaceutical development
Professor Kevin Fox	Cardiff University	Electrophysiology; neuronal plasticity; sensory processing
Dr John Huxter	Lilly*	Electrophysiology in freely moving rodents; hippocampal function; learning and memory; animal behaviour; analytical programming
Dr David Jones	Medicines and Healthcare Products Regulatory Agency	Pharmaceutical safety assessment; toxicology
Dr Keith Phillips	Lilly*	<i>In vivo</i> electrophysiology specialising in recording single unit and local field potential oscillations in behaving animals
Dr Leann Quinn	Porsolt & Partners	Movement detection in rodents
Dr Will Redfern	AstraZeneca	<i>In vivo</i> CNS; cardiovascular pharmacology
Dr Mark Tricklebank	Lilly*	Behavioural neuroscience; pharmacology