

Dr Stuart Greenhill

Senior Lecturer in Neuroscience at Aston University

Birmingham, , GB

Dr Greenhill's research is focussed on neuroscience, epilepsy and synaptic plasticity.

Biography

Dr Stuart Greenhill's research is focussed around the mechanisms of synaptic plasticity in physiological and disease states. By using a combination of electrophysiology, functional imaging and molecular biology, we can probe the receptors and cellular processes that cause neural circuits and synapses to alter their strengths and functions in response to the changing stimulus of the outside world. This natural process would appear to be subject to critical developmental periods and be disrupted in several psychiatric and neurological conditions, so further study of its function and dysfunction is crucial to our understanding of neuroscience and psychiatry.

Areas of Expertise

Schizophrenia, Pharmacology, Electrophysiology, Neuroscience, Epilepsy

Affiliations

Society for Neuroscience, British Neuroscience Association, British Pharmacology Society, HEA : Senior Fellow

Education

Aston University

MEd Higher Education Learning and Teaching

University of Bath

PhD Neuropharmacology

The University of Edinburgh

BSc Pharmacology

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