# PhD Opportunities

**School of Physiology, Pharmacology and Neuroscience for September 2021**

## MRC GW4 STUDENTSHIPS FOR 2021/22 INTAKE

**Sleep as a lens through which to predict psychiatric risk and translate mechanisms of neural network dysfunction in schizophrenia**

Prof M Jones, University of Bristol, Dr M van den Bree


**A genetic risk factor underlying impaired cognitive flexibility and neural plasticity in psychiatric disorders**

Prof J Mellor, University of Bristol, Prof J Hall, University of Cardiff


## BBSRC SWBIO STUDENTSHIPS FOR 2021/22 INTAKE

**Combatting brain and body ageing through exercise**

Prof H Piggins, University of Bristol, Dr K Ellacott, University of Exeter


**Merging maths and biology to understand how the dynamics of dentate gyrus circuitry supports memory formation in hippocampus**

Prof Z Bashir, Dr C O’Donnell, Dr D Atan, Dr C Houghton University of Bristol


**Cerebellar control of cognition via higher-order thalamus**

Dr P Chadderton, Dr P Anastasiades, University of Bristol

Modelling the effect of ageing in silico and on Drosophila and mouse clock neurons

Dr J Hodge, University of Bristol, Prof K Tsaneva-Atanasova, University of Exeter, Prof H Piggins,


The role of VTA GABA neurons in reward learning

Dr Paul Dodson, Dr R Ponte Costa, University of Bristol


Exploring joint mechanics and the relationship between shape, strain and cellular behavior through life

Dr C Hammond, Dr E Rayfield, University of Bristol


What are they talking about? A study investigating the meanings behind ultrasonic vocalisations

Prof E Robinson, Prof M Mendl, University of Bristol


Unlocking the psychopharmacology of psychedelics (CASE studentship)

Prof E Robinson, Dr Z Bortolotto, University of Bristol