



Department of Neuroscience
School of Life Sciences
University of Sussex

Postdoctoral Fellows (Two positions)

Molecular Control of Neural Development and Behaviour

Alonso Lab, University of Sussex
Brighton, United Kingdom

Institution: University of Sussex
Dept/School/Faculty: Dept. of Neuroscience / School of Life Sciences
Supervisor: Professor Claudio R. Alonso
Application Deadline: 17th February 2025
Pay scale // Term: Grade 7 // 3 years Full-time (with potential extension)



Two postdoctoral positions are available in the School of Life Sciences at the University of Sussex supervised by Claudio Alonso (<http://www.sussex.ac.uk/lifesci/alonsolab/>) within the broad field of Molecular and Developmental Neuroscience. The aim of the project is to investigate the biology of the neuron as it goes through developmental transitions, exploring how the developmental program that controls neuronal differentiation is transformed into the neuron's maintenance program underlying the physiology and function of mature neurons in adult neural circuits. The work will combine modern molecular biology, transcriptomics, genetics, functional imaging, neurogenetics and behavioural approaches to investigate neural development, neural function and behaviour in *Drosophila*. The projects builds on a series of discoveries in our lab showing the specific roles of genes in the cellular processes underlying neural development and behaviour (Picao-Osorio et al. 2015 *Science*; Kaschula et al. 2018 *Development*; Issa et al. 2019 *Current Biology*; Klann et al. 2021 *J. Neurosci.*; Issa et al. 2022 *PNAS*; Menzies et al. 2024 *eLife*).

The positions are funded through a generous BBSRC/UKRI research grant recently awarded to the Alonso Lab and are available immediately. Our lab is part of the scientifically excellent, dynamic and collaborative environment of the *Department of Neuroscience* (<https://www.sussex.ac.uk/schools/life-sciences/research/neuroscience>) and the world-leading interdisciplinary community of *Sussex Neuroscience*, a vibrant *Sussex Centre of Excellence* that brings together more than 60 research labs across disciplines (<http://www.sussex.ac.uk/sussexneuroscience/>).

One of the postdocs will be a **Molecular Cell Biologist** (<https://www.jobs.ac.uk/job/DLJ521/research-fellow-in-neurogenetics>) and the other a **Neurobiologist/Behavioural scientist** (<https://www.jobs.ac.uk/job/DLJ529/research-fellow-in-neurogenetics>) and both will have core interests in the mechanistic understanding of the nervous system. Successful candidates will be outstanding, committed and highly motivated postdocs seeking to develop an original and independent project, and will have a PhD in Biology, Dev. Biology, Neuroscience or other relevant disciplines.

The University of Sussex is located 10-min away from the lively, inclusive and cosmopolitan city of *Brighton and Hove* on the UK south coast, 60-min away from central London and 30-min away from London Gatwick Airport. Brighton has a lovely beach, offers access to sea and the beautiful south coast and is immersed in the outstanding *South Downs National Park* (<https://www.southdowns.gov.uk/>).

For informal enquiries please contact Claudio R. Alonso at c.alonso@sussex.ac.uk

*****Closing date for applications: 17 February 2025*****

The University of Sussex is committed to equality of opportunity

European and other Non-UK Candidates are welcome to apply

Please note that this position may be subject to ATAS clearance if you require visa sponsorship

