



**Department of Cell and Developmental Biology  
UNIVERSITY COLLEGE LONDON**

**Postdoctoral Research Fellow position:  
Understanding the mechanisms controlling receptor trafficking  
and localisation during synapse formation**

Applications are invited for a postdoctoral Research Fellow position to study the cellular and molecular mechanisms that regulate synapse formation and plasticity in the mammalian nervous system. The successful applicant will study the mechanisms that control the trafficking and localisation of Frizzled (Fz), seven-transmembrane proteins that act as receptors for Wnt ligands during synapse assembly. The postdoctoral researcher, under the direction of Professor Patricia Salinas at UCL, will take a multidisciplinary approach that combines state-of-the-art time-lapse imaging techniques to visualise receptor trafficking in neurons, super-resolution microscopy and proteomic analyses. The researcher will also perform *in vivo* analyses of mutant mice using cellular and functional approaches.

We are interested in attracting dynamic and enthusiastic scientists with expertise in the following areas: cellular neurobiology, fluorescence imaging techniques, proteomic analyses and biochemistry. Experience in molecular biology and electrophysiology would be advantageous.

UCL is a world-ranking institution in the field of neuroscience that attracts students and postdocs from all over the world. UCL, located in central London, provides strong support to postdoctoral researchers with the aim to promote their career.

The post is funded by the BBSRC will be awarded for one year in the first instance with the possibility of further extension. Salary £35,328 to £42,701 per annum (Grade 7), inclusive of London Allowance.

Informal enquiries should be addressed to Dr Patricia Salinas (email: [p.salinas@ucl.ac.uk](mailto:p.salinas@ucl.ac.uk), Phone: 020 7679 6577). For an outline of the lab's research interests see:

<https://www.ucl.ac.uk/biosciences/departments/cdb/people/patricia-salinas/salinas-lab>

**The closing date for applications is 30 July 2019.**