



Department of Cell and Developmental Biology  
UNIVERSITY COLLEGE LONDON

**Postdoctoral Research Fellow position:  
Signalling mechanisms controlling synaptic plasticity in health  
and disease**

Applications are invited for a postdoctoral research associate position to study the cellular and molecular mechanisms that regulate synaptic plasticity in the mammalian nervous system (McLeod et al, Cell Reports 2018). The successful applicant will study the molecular mechanisms by which Wnt signalling regulates synaptic plasticity in the hippocampus. The postdoctoral researcher, under the direction of Professors Patricia Salinas at UCL, will take a multidisciplinary approach that uses *in vivo* analyses of mutant mice using state-of-the-art imaging techniques combined with the proteomics, optogenetics and electrophysiology. The researcher will also examine how Wnt-mediated synaptic plasticity influences synapse stability in the context of Alzheimer's disease.

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

The post, funded by the MRC, will be awarded for one year in the first instance with the possibility of further funding. 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)). For an outline of the lab's research interests see: <https://www.ucl.ac.uk/biosciences/departments/cdb/people/patricia-salinas/salinas-lab>

Online applications will be available soon.