

College/University PhD Studentship in Neuroscience & Behaviour

Studentship Number: **MBSP-12/09**

Primary Supervisor: **Dr Todor Gerdjikov**

Co-supervisor: **Dr J. Mena-Segovia (Oxford)**

Host Department: **School of Psychology, University of Leicester**

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Project Title: **Investigating neuronal circuits underlying reward-related behaviour.**

We are inviting applications for a fully-funded PhD studentship (3.5 years), beginning October 2012, on a collaborative project between Leicester University and the MRC Anatomical Neuropharmacology Unit (University of Oxford) to study the spatial and temporal organisation of neuronal circuits underlying behaviour.

The student will conduct electrophysiological experiments on wild-type and transgenic rodents to record the activity from subcortical neuron ensembles during performing behaviour and during sleep. Experience with electrophysiology or neuronal data analysis is preferred, but not essential.

The successful candidate will have an undergraduate and/or masters degree in Neurosciences or related disciplines (Physics, Engineering or Math students with experience in electrophysiology are particularly encouraged to apply) and should have good writing and technical skills. Experience with Matlab or other programming environments would be an advantage.