

SERB School in Neuroscience, 8th Edition: Brain Circuits

The Science and Engineering Research Board (SERB), Govt of India, sponsored SERB School in Neuroscience, 8th Edition will be conducted at the Indian Institute of Science Education and Research (IISER), Pune during 8–21 December 2014.

The focus of this edition is Brain Circuits: development, organization, plasticity and computation in neuronal circuits.

Understanding the computational functions of neuronal circuits, their architectural logic and the emergence of behaviour is one of the grand challenges in neuroscience. Recent technical advances like opto- and chemo-genetics, trans-synaptic tracing, genetically encoded calcium sensors and computational methodologies offer hitherto unprecedented opportunities to investigate information processing in neural circuits. The School aims to enhance awareness of the advances and possibilities in this area through a series of pedagogical lectures complemented with hands-on experience of relevant state-of-the-art technologies.

The course is aimed at Ph.D. students, post-doctoral fellows and junior faculty.

School details and application: www.iiserpune.ac.in/~serbneuro2014

Last date for submission of applications: **10 October 2014.**

Indian Institute of Science Bangalore 560 012

Advt. no. DAE/172

Dt: 12-08-2014

A Research Associate (1 No.) in a DAE sponsored project

Title of project: Dynamical approach to instabilities in plastic deformation: radiation induced effects, shearing of precipitates and other plastic instabilities.

Tenure of the project: 9 October 2015.

Essential qualification: RA – Ph.D. in Theoretical Physics/Material Science.

Desirable qualification: RA – Knowledge in nonlinear dynamics and modelling instabilities and to write codes for solving nonlinear partial differential equations in C or Fortran and use of MATLAB.

Job description: RA – To model instabilities in general and in particular serrated stress–strain curves observed during plastic instabilities and discharge any other duties assigned from time to time.

Emoluments: RA – Rs 22,000 p.m. (fixed) + 30% HRA.

Candidates those who have submitted thesis for the award of Ph.D degree may also apply. They will be considered for the position of RA (Provisional) at Rs 20,000 + 30% HRA (p.m.) till the award of Ph.D.

Candidates should send their applications on plain paper furnishing the bio-data, copies of certificates in support of age, qualification, experience, etc. to **Prof. G. Ananthakrishna**, Materials Research Centre, Indian Institute of Science, Bangalore 560 012, **within 15 days** from the date of publication of this advertisement in *Current Science*.

Registrar