



University of Padua and CNR Institute of Neuroscience - Padova, Italy

## Post-Doctoral Research Position

### *Neuron-astrocyte reciprocal signalling in epileptic disorders*

Applications are invited for a Post-Doctoral position in the *Neuroscience Institute of the National Research Council* and the *Department of Experimental Biomedical Sciences* of the University of Padova.

Over the last decade, from a long-standing tradition in calcium signalling, our research was expanded to the glial cell astrocyte. Results from our group have contributed to highlight some of the new fundamental roles that these astroglial cells have in brain function. We offer a stimulating and productive environment, extensive know-how and infrastructures in cellular physiology, and wish to continue addressing one of the most intriguing challenges in current neurobiological research: the elucidation of the role of astrocytes in brain function. The project will focus on the role of astrocytes in the normal and diseased brain (e.g., in the epileptic brain), and use simultaneous patch-clamp recording and confocal microscope calcium imaging techniques. Further details of the project can be obtained from Dr. G. Carmignoto ([giorgio.carmignoto@bio.unipd.it](mailto:giorgio.carmignoto@bio.unipd.it)).

We are looking for a highly motivated individual with expertise in field potential and whole-cell patch clamp recording from brain slices. Previous experience in the field will be highly valuable. Training will be provided for an exceptional candidate with complementary skills and experience.

The position is funded for a maximum of 4 years, starting in January 2008 or later. Salary is based on research experience and qualification.

For more information or to apply (include a CV, recent publications, and names of two referees), please contact:

Dr. Giorgio Carmignoto  
CNR Institute of Neuroscience and Dept. Experimental Biomedical Sciences,  
University of Padova  
Viale G. Colombo 3  
35121 PADOVA - ITALY  
Tel: +39 049 827 6075/66  
e-mail: [giorgio.carmignoto@bio.unipd.it](mailto:giorgio.carmignoto@bio.unipd.it)