

Position details

Position	Postdoctoral position
Field of research	Cellular/molecular neurophysiology
Institution	Fondazione Istituto Neurologico Carlo Besta, Milano, Italy http://www.istituto-besta.it/Home.htm
Duration	1 year, renewable for 4 years
Starting from	immediate
Salary	20000 € / year
Document required	Letter of reference
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Details: **Animal models and molecular physiology of epileptogenic mutations.** Our team combines electrophysiology, molecular biology, microscopy and use of gene targeted animal models to study physiopathology of ion channels and cortical circuits. We seek senior and/or junior fellows with experience in patch clamp recordings to study animal models of genetic epilepsies (transgenic and gene targeted mice; see for example Yu et al., 2006) with electrophysiological recordings in brain slices and dissociated neurons. It will be possible to learn and apply also molecular biology techniques and electrophysiological recordings from cell lines and transfected neurons.

Ref. Publications Scalmani et al. (2006) **J. Neurosci.** 26: 10100-9.
Yu et al. (2006) **Nature Neurosci.** 9: 1142-49.
Aracri et al. (2006) **JNeurophysiol.** 95: 3460-68.
Mantegazza et al. (2005) **PNAS USA** 102: 18177-182.
Mantegazza & Cestèle (2005) **J. Physiol.** 568:13-30.
Mantegazza et al. (2005) **J. Neurosci.** 25(13):3341-49.