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Pre-doctoral offer:

MODULATION OF SIRTUIN 1 AS A PREVENTIVE THERAPY AGAINST AGE-ASSOCIATED NEURODEGENERATION AND ALZHEIMER'S DISEASE

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Group: AGING AND NEURODEGENERATION

(In: IDIBAPS Area 4, Neuropharmacology & Experimental Neuropathology Unit)

We seek applicants for **PhD** and **master** projects. Candidates will apply to pre-criada IDIBAPS and other fellowship calls that appear along 2010.

Please write to:

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IIBB, CSIC-IDIBAPS

Pre-doctoral students will work with Alzheimer's (AD) transgenic mice and in vitro AD models.

General theme of the projects:

Age-associated neurodegeneration is the subject of an intense research, in the hope of decreasing the incidence of mentally disabling diseases in the elder population. AD is the most common age-related neurodegenerative disease as, indeed, advanced age is its major risk factor. The protein sirtuin 1 has a remarkably influence on cell metabolism and survival and it is considered a potential target for the development of anti-aging drugs. Also it may be a novel target for AD and other age-related brain disorders. We will overexpress Sirt1 with viral vectors or pharmacological interventions in vivo and vitro to study the molecular pathways and the physiological changes involved in the brain main cells: neurons and astrocytes.

For more information:

[http://www.iibb.csic.es/index.php?pg=lineainvestigacion&lang=3#lin1\\_name](http://www.iibb.csic.es/index.php?pg=lineainvestigacion&lang=3#lin1_name)