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# HÉCTOR DíEZ

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CV

PARTICIPANT AT:

## CONNECTING THE GROWING BRAIN UNDERSTANDING NEUROPAEDIATRIC DISEASES THROUGH SYNAPTIC COMMUNICATION



**November, 26<sup>th</sup>-27<sup>th</sup>, 2015, Barcelona**

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**Héctor Díez**, Postdoctoral researcher in Synaptic Metabolism Laboratory", Fundación Sant Joan de Déu, Barcelona, Spain

Researcher in neurobiology. He got his PhD in Molecular Biology and Biochemistry for Universidad Autónoma de Madrid in 2010 for a work studying molecular basis of development and survival of cultured neurons. He has been involved in research of protein biochemistry and culture models of the nervous system for more than ten years in laboratories of Instituto Cajal (CSIC), CBMSO (CSIC/UAM) or CIBERNed. He currently works in Àngels Garcia-Cazorla's group in Fundación Sant Joan de Déu, developing models for the study of rare diseases of the nervous system, mainly Tyrosine Hydroxylase Deficiency, Rett Syndrome and extremely rare cases of infantile lethal parkinsonism.

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ABSTRACT

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### **Current Cellular Models of Synaptic Diseases**

Cell cultures are a powerful in vitro tool for preclinical studies of neuropaediatric diseases. Since the classical primary cultures and immortalized cell lines to the growing field of induced pluripotent stem cells, cultured cells have been employed for decades in medical research. In this talk, we will present a (necessarily) brief review of the different kind of cultures and their applicability in the study of neuropaediatric disorders.

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