
CRISTINA FILLAT

CV

PARTICIPANT AT:

CONNECTING THE GROWING BRAIN UNDERSTANDING NEUROPAEDIATRIC DISEASES THROUGH SYNAPTIC COMMUNICATION



November, 26th-27th, 2015, Barcelona

Cristina Fillat, Group Leader of the Gene Therapy and Cancer Group, Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain

She studied Pharmacy at the University of Barcelona and obtained a PhD in Biochemistry at the Autonomous University of Barcelona. She initiated in the field of Gene Therapy during her postdoctoral stage at Mount Sinai School of Medicine in New York, working on lysosomal storage diseases. Later she was appointed investigator at the Centre for Medical and Molecular Genetics-IRO, Barcelona, conducting several research projects on Down syndrome and cancer with the dual goal of acquiring a broad understanding of the molecular and pathophysiological basis of the diseases and to conduct preclinical gene therapy development. In the period 2002-2011 she joined the Centre for Genomic Regulation as a Group Leader and in 2007 became PI at the Centre for Biomedical Network Research on Rare Diseases (CIBERER). Since 2011 she leads a research group in Gene Therapy and Cancer at IDIBAPS, Barcelona (consolidated group 2014SGR-248). Over the years she has contributed to the gene therapy field with more than 80 publications. She was among the team members that promote the constitution of the Spanish Society of Gene and Cell Therapy and served as Scientific Secretary from 2005 to 2011. She is editorial board member of several journals, highlighting Molecular Therapy-Oncolytics and Current Gene Therapy.

B-DEBATE IS AN INITIATIVE OF:



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ABSTRACT

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Gene Therapy in Synaptic Disorders

Therapeutic challenge of neurological diseases involving synaptic pathology explore several gene therapy strategies aimed to remodel synaptic structure and induce neurosynaptic plasticity to improve function. In this presentation we will discuss on the more current approaches that are being tested and the most common gene delivery vectors. Relevant examples of gene therapy studies, as well as outstanding challenges will be discussed.

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