

VI Meeting on the MOLECULAR MECHANISMS OF NEURODEGENERATION

Salone Pio XII, Casa Cardinale Ildefonso Schuster, Via San Antonio, 5 - 20122 Milano (Italy)

May 28th-30th, 2015 | www.mmn2015.org

FIRST ANNOUNCEMENT

Thursday, May 28th, 2015 (morning)

Opening lecture : Don W. Cleveland (USA) "Gene silencing therapy for human neurodegenerative disease"

Lecture A : Luigi Naldini (Italy) "Is there a future for gene therapy for neurodegenerative diseases?"

Session I: A link between genetic diseases and evolution

Zakharia M. Frenkel (Israel) "Ancient repeats in protein coding sequences"

Miguel A. Andrade-Navarro (Germany) "Evolution and function of CAG/polyglutamine repeats in protein-protein interaction networks"

Thursday, May 28th, 2015 (afternoon)

Session II: Cellular handling of aberrant neurotoxic proteins II

Harm H. Kampinga (The Netherlands) "The protein quality control system in the neuroprotection against proteotoxicity"

Leonard Petrucelli (USA) "Aberrant accumulation of C9ORF72 hydrophobic dipeptides in Amyotrophic lateral sclerosis"

Ehud Cohen (Israel) "C. elegans and proteotoxicity"

Session III: Cellular handling of aberrant neurotoxic proteins II

Anthony Schapira (UK) "Genetics of PD; Pathways to Neurodegeneration"

Fabio Blandini (Italy) "The proteotoxic response in Parkinson Disease"

Paul Saftig (Germany) "Lysosomes in neurodegeneration: Insights from genetic model studies"

Special lecture : Wim Robberecht (Belgium) "The ephrin system in neurodegeneration"

Selected Oral Presentations

Friday, May 29th, 2015 (morning)

Selected Oral Presentations

Session IV: RNA/protein-mediated neurodegeneration and aging

Emanuele Buratti (Italy) "Investigating the modulation of TDP-43 pathology by hnRNP nuclear proteins"

Serena Carra (Italy) "Characterization of the interplay between the protein quality control and the stress granule response: implication in neurodegenerative diseases"

Udai Bhan Pandey (USA) "The role of cytoplasmic stress granules (SG) in FUS-related neurodegeneration"

Davide Trotti (USA) "Neurotoxicity of C9ORF72-RAN dipeptides in ALS/FTD"

Diane Merry (USA) "Aberrant N/C interaction in the androgen receptor. A therapeutic target for Spinal and Bulbar Muscular Atrophy"

Friday, May 29th, 2015 (afternoon)

Poster Session A

Session VI: Genetic and cellular approaches to counteract neurodegeneration

Lecture B : Vania Broccoli (Italy) "Induced dopaminergic neurons for Parkinson's Disease"

Session VII: Organelles alterations in neurodegeneration

Frédéric Saudou (France) "Ciliogenesis in Huntington's Disease"

Rosario Rizzuto (Italy) "Mitochondria, calcium and neurodegeneration"

Valeria Tiranti (Italy) "Experimental models for neurodegeneration with brain iron accumulation (NBIA): from pathogenic mechanisms to therapeutic approaches"

Linda Greensmith (UK) "Endoplasmic reticulum stress in motoneuron diseases"

Maria Pennuto (Italy) "Protein arginine methylation as a major modifier of motor neuron disease"

Saturday, May 30th, 2015 (morning)

Selected Oral Presentations

Session VIII: Circuits and systems

Sonja Kleinlogel (Switzerland) "Next-generation cell-tailored optogenetic tool for vision recovery after photoreceptor degeneration"

Bading Hilmar (Germany) "NMDA receptors signalling in neurodegenerative diseases"

Session IX: Tools to design a cure for neurodegenerative diseases I

Andrea Caricasole (Italy) "Post-translational modifications: diagnostic and therapeutic opportunities in neurodegenerative disorders"

Hilal Lashuel (Switzerland) "Integrative Chemical Biology Approach to Elucidating the Role of Alpha-Synuclein Phosphorylation in the Pathogenesis of Parkinson's Disease and Related Disorders"

Ignacio Munoz-Sanjuan (USA) "Neuronal and circuitry alterations in HD – what do we know and how do we fix them?"

Saturday, May 30th, 2015 (afternoon)

Poster Session B

Session X: Tools to design a cure for neurodegenerative diseases II

David Rubinsztein (UK) "Autophagy and neurodegeneration"

Stefania Corti (Italy) "The use of synthetic oligonucleotides to improve motor neuron survival in Spinal Muscular Atrophy"

Francesca Maltecca (Italy) "Ca²⁺ influx reduction in Purkinje neurons rescues ataxia in the SCA28 mouse model"

Luca Santarelli (Switzerland) "Drug discovery approaches in neurodegeneration"

Closing Remarks

ORGANIZERS

Angelo Poletti: angelo.poletti@unimi.it

Elena Cattaneo: elena.cattaneo@unimi.it

Franco Taroni: taroni.f@istituto-besta.it

Pietro Di Lorenzo: p.dilorenzo@irbm.it

SECRETARIAT

IncentivesCongressi e Formazione srl

Via Crocifissa di Rosa, 15 - 25128 Brescia (Italy)

ph. +39 030 391026 - fax +39 030 383290

info@mmn2015.org

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