Controversies in Neurodegeneration

Joint meeting of the SIF workgroups “Neurodegenerative diseases” and “Inflammation”

Coro di Notte, Monastero dei Benedettini
Catania, June 9-10, 2016
Scientific Program

Thursday June 9, 2016
13.00-14.30 Registration
14.30-15.00 Opening
15.00-15.30 Lecture introduced by Pier Luigi Canonico (Novara)
Monica Di Luca (Milano)
From local to long distance trafficking in neurons: a challenge for neurodegeneration?
15.30-17.10 Oral communications
SESSION I Chairman: Maria Grazia Grilli (Novara)
Giulia Sita (Bologna)
An early murine model of Alzheimer’s Disease to identify novel neuroprotectors
Walter Gulisano (Catania)
Extracellular oligomeric Tau impairs synaptic plasticity and memory independently of Aβ
Pamela Nardiello (Firenze)
Oleuropein aglycone modulates PARP1 activation and its crosstalk with SIRT1: a study in vitro and in vivo.
Natalia Marchetti (Milano)
Interleukin-1beta opposes the developmental switch in NMDA receptors in primary hippocampal neurons
Fabrizia C Guarnieri (Milano)
Presynaptic mechanisms in multiple sclerosis: studies in neuronal cultures and in experimental autoimmune encephalomyelitis
Irene Fusco (Firenze)
The selective stimulation of adenosine A2B receptors reduces outward K+ currents and increases sphingosine kinase 1 activity in cultured oligodendrocyte precursor cells
17.10-18.30 Coffee Break & Poster Session
18.30-19.00 Lecture introduced by Bianca Marchetti (Catania)
Nunzio Irazi (Cambridge, UK)
Extracellular vesicles secreted by neural stem cells as a novel mechanism of cell-to-cell communication
18.30-19.00 Oral communications

Friday June 10, 2016
8.45-10.15 Oral communications
SESSION II Chairman: Giambattista Bonanno (Genova)
Giulia Costa (Cagliari)
Role of age and caffeine consumption in MDMA-induced neuroinflammation in mice
Monica Pinoli (Varese)
Human neutrophils express dopaminergic receptors, which modulate migration, oxidative metabolism and morphology
Marco Milanese (Genova)
mRNAs shuttled by exosomes derived from primed-MSCs affect the activated-microglia phenotype and possibly support the therapeutic effects of MSC administration in SOD1G93A mice
Andrea Magri (Catania)
Synthetic peptides prevent VDAC1-SOD1 mutant interaction recovering mitochondrial dysfunction in Amyotrophic Lateral Sclerosis
Simona D’Antoni (Catania)
Endothelin-1: a new pharmacological target for Amyotrophic Lateral Sclerosis?
10.15-11.15 Key note lecture introduced by Salvatore Cuzzocrea (Messina)
Pierre Magistretti (Lansanne)
Astrocyte-Neuron metabolic coupling: role in plasticity and neuroprotection
11.15-11.45 Coffee Break
11.45-13.00 Oral communications
SESSION III Chairman: Agata Copani (Catania)
Vanessa Porrini (Brescia)
c-Rel deficient mice, a mouse model of “spreading” PD-like pathology
Michela Campolo (Messina)
Neuroprotective effect of dimethyl fumarate in MPTP-mouse model of Parkinson’s disease
Valeria Bortolotto (Novara)
Disrupted cross-talk between adult neural progenitor cells and astrocytes in absence of NF-kB p50: a role in inflamming?
Clara La Marca (Palermo)
Eye drops of Ch-Cx carrier silibinin inducing protection in a model of Age-related Macular Disease (AMD)
Giovanni Giurdanella (Catania)
TGF-β1 prevents rat retinal insult induced by amyloid-beta (1–42) oligomers
13.00-13.30 Closing remarks