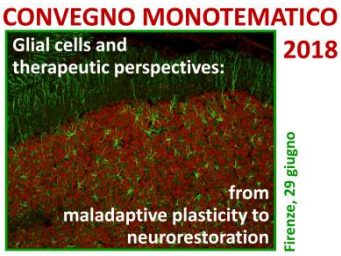

CONVEGNO MONOTEMATICO

"Glial cells and therapeutic perspectives: from maladaptive plasticity to neurorestoration"

Firenze, 29 giugno 2018

Aula Magna del Rettorato, Piazza San Marco 4

ore 9:00 -9:30 Accoglienza partecipanti - Registrazione e Welcome Coffee

ore 9:30-10:00 Saluto Autorità

ore 10:00-10:30 **Claudia Verderio**
(introduce: Maria Angela Sortino)

Multimodal microglia modulation of neuronal function via extracellular vesicles: implications in neuroinflammatory diseases

ore 10:30-12:45 Sessione I: Glial cells, single phenotypes and cell-cell interactions

(moderatori: Mariagrazia Grilli, Anna Pittaluga)

Astrocyte heterogeneity in health and disease: insight into mechanisms regulating the neurogenic activation of parenchymal astroglia and astrocyte-dependent cerebellar functions
Buffo A.

Role of the cross-talk between microglia and oligodendroglial progenitors in cerebral ischemia
Fumagalli M.

Role of NPC-astrocyte crosstalk in Down syndrome
Salvalai M.E.

The neuron-astrocyte-microglia triad in rodent models of neurodegeneration
Giovannini M.G.

Neuroinflammation: Glia, Mast Cells, and Their Interactions
Zusso M.

G protein coupled receptor heterodimers on astrocytes: presence and function
Marcoli M.

Role of astrocytes in PBMCs migration through an in vitro model of blood brain barrier
Spampinato S.F.

CCL5-glutamate cross-talk in astrocyte-neuron communication in mammal CNS
Pittaluga A.

Sphingosine 1-phosphate receptor subtype 1 (S1PR1) as a therapeutic target for brain trauma
Paterniti I.

12.45 -13.45 Pranzo

13.45 -14.15 **Annamaria Vezzani**
(introduce: Sabatino Maione)

Innate immunity and inflammation in epilepsy: the pathophysiological role of glial cells

14.15 -14.30 Saluti del Magnifico Rettore

14.30 -16.30 Sessione II: Therapeutic approaches and cross-talk between peripheral and central glial cells

(moderatori: Emanuela Masini, Salvatore Cuzzocrea)

Brain plasticity in chronic pain: glial cells as potential pharmacological targets
Ceruti S.

Targeting HCAR2 to treat neuropathic pain
Boccella S.

Glia and Alzheimer's disease: the pharmacological manipulation as promising tool against pathology progression
Scuderi C.

N-palmitoylethanolamide prevents Parkinsonian phenotypes in aged mice
Crupi R.

Exosome-shuttled miRNAs derived from mesenchymal stem cells modulate in-vitro the reactive phenotype of amyotrophic lateral sclerosis glial cells
Milanese M.

Antibiotic-induced microbiota perturbation causes gut endocannabinoidome changes, hippocampal neuroglial reorganization and depression in mice
Iannotta M.

Protease and protease-activated receptors as regulators of peripheral nerve regeneration
Fabrizi C.

Parabrachial nucleus astrocytes modulate pain perception: a protective skill
Di Cesare Mannelli L.

16.30 Conclusioni (C. Ghelardini)