<table>
<thead>
<tr>
<th>Poster Session</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neuroanatomical and functional plasticity following motor cortex stroke in mice</td>
<td>Alia C. et al</td>
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<tr>
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<td>Alia C. et al</td>
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<tr>
<td>Role of trail in neuronal ischemic preconditioning</td>
<td>Anzilotti S. et al</td>
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<tr>
<td>Cerebral collateral flow defines topography and evolution of molecular penumbra in experimental ischemic stroke</td>
<td>Beretta S. et al</td>
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<td>Differentiation and migration of Neural Stem Cells (NSCs) during preconditioning in a mouse model of neonatal hypoxia ischemia</td>
<td>Bruniaccio P. et al</td>
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<td>Phenotypical, morphological and dynamic modifications of microglia/macrophages in brain ischemic area change with injury severity</td>
<td>Carlin L. et al</td>
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<td>Sodium/Calcium exchanger (NCX): a new druggable target in neuronal dysfunctions following hypoxic-ischemic injury in neonatal mice</td>
<td>Cerullo P. et al</td>
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<tr>
<td>&quot;Waving perfusion&quot; in chronic carotid occlusion: pathophysiological, clinical and therapeutic issues</td>
<td>Chiti A. et al</td>
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<tr>
<td>A novel assay to predict mannose binding lectin deposition on the activated endothelium, a key pathogenic event in acute brain injury</td>
<td>De Blasio D. et al</td>
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<tr>
<td>Functional proteomics of mitochondria in aging and cerebral ischemia during postischemic recovery: enzyme activities of Electron Transfer Chain Complexes of non-synaptic and intra-synaptic mitochondria.</td>
<td>Ferrari F. et al</td>
</tr>
<tr>
<td>Microglia is a key player in the reduction of stroke damage promoted by the new antithrombotic agent ticagrelor</td>
<td>Gelosa P. et al</td>
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<td>CpG preconditioning protects against ischemic/reperfusion injury through effects on systemic immune cells and brain parenchymal cells</td>
<td>Gesante R. et al</td>
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<td>The blood-brain barrier after stroke: structural studies and the role of caveolae in transcellular permeability</td>
<td>Haley M.J. et al</td>
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<td>A higher neutrophil count before thrombolysis in ischaemic stroke is associated with worse outcome.</td>
<td>Mastroianni L. et al</td>
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<td>Cerebrovascular dysfunction in the contralateral hemisphere following transient focal ischemia</td>
<td>Neuhaus A. et al</td>
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<tr>
<td>Cyclopentim in acute ischemic stroke: a Randomized Clinical Trial</td>
<td>Ong E. et al</td>
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<tr>
<td>Macrophages are essential for maintaining a M2 protective inflammatory response following ischemic brain injury</td>
<td>Pergo C. et al</td>
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<td>Amniont mesenchymal cell secretome induce protection after brain ischemia</td>
<td>Pischinutta F. et al</td>
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<tr>
<td>Neurinflammation markers after ischemic brain injury in the long term survival rat model</td>
<td>Radenovic L. et al</td>
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<td>Human adipose-derived mesenchymalstromal cells protect aged mice after stroke</td>
<td>Sammuli E. et al</td>
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<tr>
<td>Discrepancy between clinical and morphological diagnosis in cases of ischemic stroke in the emergency clinic</td>
<td>Sepaagaliev A. et al</td>
</tr>
<tr>
<td>MicroRNA-103-1 selectively downregulates brain NCX1 and its inhibition by anti-miRNA ameliorates stroke damage and neurological deficits</td>
<td>Vinciguerra A. et al</td>
</tr>
<tr>
<td>Early ficolin-1 plasma levels predict outcome in ischemic stroke patients</td>
<td>Zangari R. et al</td>
</tr>
</tbody>
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Scientific Program  
10/12 December 2012  
Residenza di Ripetta, Rome

Day one/10 December

16:30 Opening  
Maria Grazia De Simoni,  
Francesco Orzi/ It

16:40 Introduction  
Cesare Fieschi/ It

16:50 Lectio Magistralis  
Innate immunity and neurovascular homeostasis from stroke to neurodegeneration  
Costantino Iadeola/ USA

18:00 welcome cocktail

Day two/11 December

9:00/10:20 Session 1  
Chair: Gregory Del Zoppo, Danilo Toni

14:30 Recanalization, reperfusion and reflow: how the CNS responds  
Gregory Del Zoppo/ USA

9:30 Neurotoxicity of rtPA and its effects on neurovascular coupling  
Brad Sutherland/ UK

10:00 Novel approaches to recanlization  
John Marler/ USA

10:30 Thrombosis and inflammation as a target in brain ischemia  
Christoph Kleinschmidt/ De

11:00 discussion

11:20 coffee break

11:40/13:30 Session 2  
Chair: D Inzitari, Didier Leys

14:10 Collateral perfusion: imaging selection  
David Liebeskind/ USA

12:10 Atrial Cardiomyopathy: A Novel Cause of Cryptogenic Stroke?  
Hooman Kamel/ USA

12:40 Management of stroke in patients with pre-existing cognitive impairment  
Didier Leys/ Fr

13:10 discussion

13:30 lunch

Day three/12 December

9:00/10:50 Session 1  
Chair: Michael Chopp, M Melo

9:00 Molecular and cellular mediators of neurovascular remodeling after neural injury and stroke  
Michael Chopp/ USA

9:30 The effect of cerebral hemodynamic failure on human cognition  
Randolph Marshall/ USA

10:00 Targeting brain parenchymal arterioles for reperfusion therapies in acute stroke  
Marylin J Cipolla/ USA

10:30 discussion

10:50 coffee break

11:10/11:55 Oral Presentations  
Chair: C Ferrarese, R Marshall

11:10 Role of metalloproteinases and inflammatory mediators in ischemic stroke patients treated with thrombolytic results from the MAGIC study  
Plecardi B, et al/ It

11:25 Grading and interpretation of cerebral white matter hyperintensities using statistical anatomic maps adjusted for age and hypertension  
Dong-Rog Kim et al/ Kr-Kp

11:40 Role of lesion topography in predicting peri-lesional hyperperfusion within 24 hours: an arterial spin labelling (ASL) study  
Bhaskar S, et al/ Au

13:30 coffee break

15:50/18:50 Session 3  
Chair: D Attwell, C Miceli

15:50 Control of cerebral blood flow by pericytes in health and disease  
David Attwell/ UK

16:20 Role of the extracellular matrix and TGF-ß signalling in cerebral small vessel disease  
Martin Dichgans/ De

16:50 Prehospital Neuroprotective Following Reperfusion Therapy: the FAST-MAG Experience  
Nerves Sanossian/ USA

17:20 Incomplete microcircular reperfusion and mechanisms of persistent microvascular pericyte contraction  
Turgay Balkara/ Tr

17:50 Big effects from tiny vessels: Imaging the impact of microvascular clots and hemorrhages on the brain  
Chris B Schaffer/ USA

18:20 discussion

18:50 Young investigator awards

19:00 closure

11:30/13:00 Poster Session *  
Chair: M Cipolla, E Zanieri

11:30 Triggersing transition of peripheral immune cells towards non-inflammatory phenotypes as a novel strategy for stroke neuroprotection  
Amantea D, et al/ It

11:45 Sumoylation of NCX3 by SUMO1 takes part in the brain neuroprotection induced by ischemic preconditioning  
Cuomo O, et al/ It

12:00 Mannose-binding lectin drives endothelial damage and vascular dysfunction following ischemia  
Fumagalli S, et al/ It

12:15 Effects of a TAFI-Inhibitor combined with sub-optimal dose of rtPA in a murine thromboembolic model of stroke  
Duran A, et al/ Fr

12:30 Dissolution of occlusive thrombi by specific targeting of platelet aggregates formed under high shear rates  
Le Behot A, et al/ Fr

12:45 Full transcription sequencing for unbiased discovery of common inflammatory pathways mediating brain injury  
Martinez B, et al/ Hu

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