Convegno Monotematico SIF
In collaboration with Gruppo di Lavoro SIF di Neuropsicofarmacologia

The Stressed Brain:
Psychopathologic Implications and Pharmacological Intervention

Scientific Organizers: Marco A. Riva and Fabio Tascedda

March 3 - 4, 2016
Sala Napoleonica - University of Milano
Via S. Antonio 10 - Milano
**Thursday, March 3**

13:00-14:30  
Registration

14:30-14:45  
Opening and Congress Presentation  
(Giorgio Cantelli Forti, Monica Di Luca, Marco A. Riva and Fabio Tascedda)

14:45-16:00  
Oral Communications – Session #1  
(Chairs: Patrizia Campolongo and Cristiano Chiamulera)

16:00-16:30  
Coffee Break

16:00-17:30  
Poster Session (Chair: Silvia Alboni)

17:30-18:30  
Keynote Lecture: Ronald S. Duman (Yale Univ. School of Medicine, USA)  
“Stress, depression, and antidepressants: remodeling synaptic connections”  
(Chair: Giorgio Racagni)

19:30  
Happy Hour (www.lebiciclette.com)

**Friday, March 4**

9:00-10:15  
Oral Communications – Session #2  
(Chairs: Paola Fadda and Mariagrazia Grilli)

10:15-11:15  
Keynote Lecture: Elisabeth B. Binder (Max Planck Inst. of Psychiatry; Germany)  
“Molecular mechanisms of gene x stress interactions: implications for prevention of psychiatric disorders”  
(Chair: Nicoletta Brunello)

11:15-11:45  
Coffee Break

11:45-12:45  
Oral Communications – Session #3  
(Chairs: Roberto C. Melcangi and Raffaella Molteni)

12:45-13:00  
Concluding Remarks  
(Marco A. Riva and Fabio Tascedda)

**KEYNOTE SPEAKERS**

Ronald S. Duman – New Haven (USA)  
Elisabeth B. Binder – Munich (Germany)

**CHAIRS**

Silvia Alboni – Modena  
Nicoletta Brunello – Modena  
Patrizia Campolongo – Roma  
Cristiano Chiamulera – Verona  
Paola Fadda – Cagliari  
Mariagrazia Grilli – Novara  
Roberto C. Melcangi - Milano  
Raffaella Molteni – Milano  
Giorgio Racagni – Milano

**SPEAKERS**

Alessia Auber – Verona  
Valeria Bortolotto – Novara  
Annamaria Cattaneo – Brescia  
Federica Ferrari – Pavia  
Alessia Luoni – Milano  
Gian Marco Leggio – Catania  
Laura Musazzi – Milano

M.Grazia Morgese – Foggia  
Vincenzo Prisco – Napoli  
Francesco Papaleo – Genova  
Andrea C. Rossetti – Milano  
Chiara Ruzza – Ferrara  
Stefania Schiavone – Foggia  
Paolo Tornese – Milano

**SCIENTIFIC SECRETARIAT**

Silvia Alboni  
Raffaella Molteni
ORAL COMMUNICATIONS

SESSION #1 Thursday, March 3, 14:45-16:00
Chairs: Patrizia Campolongo and Cristiano Chiamulera

• Musazzi Laura (Università degli Studi di Milano) The stress impact on synaptic function and brain architecture: implications for mood and anxiety disorders.

• Rossetti Andrea C. (Università degli Studi di Milano) Effect of the antidepressant agomelatine on the IL-6 pathway in rats exposed to chronic mild stress: role of Suppressor Of Cytokine Signaling 3 (SOCS3).

• Ruzza Chiara (Università degli Studi di Ferrara) Effects of nociceptin/orphanin FQ receptor partial agonists in mouse models of anxiety and depression.

• Auber Alessia (APTUIT, Verona) Towards pharmacological validation of the novelty-suppressed feeding test in the rat as a model to predict the time-course of anxiolytic drug action.

• Tomese Paolo (Università degli Studi di Milano) Acute ketamine treatment modulates brain area-specific deficits induced by chronic mild stress in vulnerable rats.

SESSION #2 Friday, March 4, 9:00-10:15
Chairs: Paola Fadda and Mariagrazia Grilli

• Schiavone Stefania (Università degli Studi di Foggia) Brain oxidative stress and suicide: identification of the NADPH oxidase NOX2 as a novel biomarker.

• Morgese Maria Grazia (Università degli Studi di Foggia) Lifelong nutritional omega-3 deficiency evokes depressive-like state and hyperactivation of HPA axis: which role for soluble beta amyloid?

• Ferrari Federica (Università degli Studi di Pavia) Effect of aging on the energy metabolism of cerebral cortex, hypothalamus and hypophysis: implications for the responsiveness to stress.

• Luoni Alessia (Università degli Studi di Milano) Ankyrin-3: a link between early life stress and the vulnerability to mood disorders.

• Cattaneo Annamaria (IRCCS “San Giovanni di Dio” - Fatebenefratelli, Brescia) Inflammatory related pathways and SGK1 signaling as targets of early life stressful events: role of DNA methylation and miRNAs.

SESSION #3 Friday, March 4, 11:45-12:45
Chairs: Roberto C. Melcangi and Raffaella Molteni

• Prisco Vincenzo (Università Degli Studi di Napoli) Influence of temperamental and character traits on antidepressant response in patients affected by major depressive disorder.

• Papaleo Francesco (IIT, Genova) Arc/Arg3.1 genetic disruption in mice causes dopamine system alterations and neurobehavioral phenotypes related to schizophrenia.

• Leggio Gian Marco (Università Degli Studi di Catania) Genetic-driven reduction of dopamine D3 receptor ameliorates dysbindin-dependent schizophrenia-relevant abnormalities.

• Bortolotto Valeria (Università del Piemonte Orientale, Novara) Role of NF-κB p50 in the cross-talk between adult neural progenitor cells and astrocytes.
Thursday, March 3, 16:00-17:30  
Chair: Silvia Alboni


2. **Activation of immune signaling related pathways and reduced telomere length in subjects exposed to stressful life events.** Lopizzo N, Begni V, Tosato S, Tomassi S, Riva MA, Pariante CM, Cattaneo A (Brescia)


5. **Acute foot-shock stress induces time-dependent alterations of glutamatergic synapses in prefrontal cortex of male rats.** Sala N, Musazzi L, Torrese P, Bazzini C, Popoli M (Milano)

6. **Exposure to the chronic mild stress induced cognitive dysfunctions: investigation of molecular mechanisms underlying this deficit.** Brivio P, Calabrese F, Papp M, Riva MA (Milano)


12. **Pro-BNP as a biomarker of asymptomatic clozapine-related heart dysfunction: possible usefulness for clozapine management.** Prisco V, Petrosino M, Fiore G, Tridente A, La Rocca A, Catapano F, Fabrazzo M (Napoli)

13. **Omega-3 and omega-6 polyunsaturated fatty acid enriched diet in susceptibility to stress response: implication for depression in female rats.** Bove M, Morgese MG, Trabace L (Roma)

14. **Different roles of the endocannabinoids anandamide and 2-arachidonoylglycerol in the modulation of memory retrieval in rats.** Rubino B, Atehourtua Martinez A, Ratano P, Campolongo P (Roma)

15. **Everolimus improves memory and learning while worsening depressive- and anxiety-like behavior in an animal model of depression.** Maida F, Crupi R, Leo A, Citraro R, Cuzzocrea S, De Sarro G, Russo E (Catanzaro)