

ISN Symposium: Molecular Mechanisms Underlying the Effects of Stress in Development and Related Psychopathologies

This Symposium was the 6th Session of the Conference “Frontiers in Stress and Cognition: From Molecules to Behavior”. The Conference took place in Ascona, Switzerland, on 23-26.09.2012. The ISN Symposium took place during the entire morning on the 26.09.2012. There was a slight change in the speakers list from the previously planned due to the cancelation of one of the speakers (Dr. Joe LeDoux). The final program followed the same philosophy and principles as the previous one and was well in tune with the research interests of the ISN. In the program and during the course of the Conference, the title of this Symposium was always preceded by “ISN Symposium”.

The exact final program was the following:

26.09.2012		
Cristina Alberini New York University, USA	Chair and Discussant	
Pierre Magistretti EPFL, Lausanne, Switzerland	Neuron-glia metabolic coupling: Relevance for plasticity and functional brain imaging	09:00 - 09:45
Eric Klann New York University, USA	Molecular stressors in mouse models of brain disorders	09:45 - 10:30
	Coffee break	10:30 - 11:00
Cristina Alberini New York University, USA	Stress and memory: mechanisms and therapeutic approaches to stress-related disorders	11:00 - 11:45
Craig Powell Southwestern Medical Center, Dallas, USA	Preclinical treatment strategies for traumatic memories	11:45 - 12:30
	Discussion – All participants	12:30 - 12:45

All speakers in the symposium integrated neurochemical, molecular, and cellular approaches to measure stress hormones and signaling pathways and how they impact cognition in developmental disorders and psychopathologies. A special emphasis was placed in the discussion of the translational aspects discussed in the Symposium, with a particular focus on the development of potential treatments for posttraumatic stress disorders (PTSD) and depression.