

## **CISSN - Catania International Summer School of Neuroscience**

### **CANNABINOID RECEPTORS: THEIR ROLE IN PHYSIOLOGY AND PATHOLOGY**

July 11 – July 15 2016  
Noto, Sicily, Italy

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In the middle of last century, the chemical structure of  $\Delta^9$ -tetrahydrocannabinol was discovered and later the CB1 cannabinoid receptor was cloned. In the last decades endogenous cannabinoid ligands were discovered and characterized. The endocannabinoid system emerged as an important modulator of many functions of the body.

With the presence of some of the most renowned world experts in the field, the CISSN will cover the physiological roles of the endocannabinoid system in the brain, ranging from secondary metabolism to synapse physiology; therefore, the school will also serve as a platform for presenting key insights in fear, anxiety, psychosis, addiction, reward, aging, neurodegeneration and energy balance.

This instructional course includes both basic science and clinical lectures, highlighting the need of translational approaches in neuroscience and neuropsychopharmacology.