



## Lake Como School of Advanced Studies - Summer School

# Watching at the "D" side: D-amino acids and their significance in neurobiology

5-9 June 2016

Università degli Studi dell'Insubria

Venue: Villa del Grumello, Via per Cernobbio, 11 - 22100, Como - ITALY

Site link at : <http://dasn.lakecomoschool.org/>

### Program:

Sunday, June 5th

Welcome by the Organizing Committee

**h 09.00-12.30** Registration

**h 14.00-15.30** Loredano Pollegioni - Varese, Italy D-amino acids: description and significance

**h 16.00-18.30** Student presentation

### Welcome cocktail

Monday, June 6th

D-amino acids metabolism

**h 09.00-10.30** S. Bruno - Parma, Italy

Serine racemase: biochemistry, regulation and inhibition

**h 11.00-12.30** H. Wolosker - Haifa, Israel

D-Serine synthesis - serine racemase regulation

**h 14.00-15.30** S. Sacchi - Varese, Italy

D-serine metabolism: spotlights on D-amino acid oxidase

**h 16.00-17.30** G. Molla - Varese, Italy

Structure/function relationships in D-aspartate oxidase

Tuesday, June 7th

D-amino acids neurobiology

**h 09.00-10.30** H. Wolosker - Haifa, Israel

D-Serine transport mechanisms

**h 11.00-12.30** J.P. Mothet - Marseille, France

Co-agonists regulation of NMDAR in the developing and mature brain

**h 14.00-15.30** A. Usiello - Napoli, Italy

D-aspartate exerts an opposing role upon age-dependent NMDAR-related synaptic plasticity and memory decay

### Free afternoon

Wednesday, June 8th

D-amino acids and pathologies

**h 09.00-10.30** J.M. Billard - Paris, France

D-Amino acids and aging

**h 11.00-12.30** J.T. Coyle - Boston, Massachusetts

D-Serine and schizophrenia

**h 14.00-15.30** A.R. Durrant - Jerusalem, Israel

NMDAR antibodies positive encephalopathies and D-serine

**h 16.00-17.30** F. Errico - Napoli, Italy

D-Aspartate and pathologies

**h 18.00-19.30** J. Sasabe - Tokyo, Japan

Impaired metabolism of D-amino acids in a motor neuron disease, AILS

Thursday, June 9th

D-amino acids: investigation techniques

**h 09.00-10.30** J.T. Coyle - Boston, Massachusetts

D-Serine in models of substance abuse, anxiety and stroke

**h 11.00-12.30** J.V. Sweedler - Urbana, Illinois

Techniques to measure D-amino acids in the brain

**h 14.00-15.30** A. Di Giorgio - S. G. Rotondo, Italy

D-Aspartate as a regulator of brain activity

### Concluding remarks

Scientific Organization:

Silvia Sacchi

Department of Biotechnology and Live Sciences,

University of Insubria, Varese - Italy

[silvia.sacchi@uninsubria.it](mailto:silvia.sacchi@uninsubria.it)

Organizing Secretariat:

Fondazione Alessandro Volta, Villa del Grumello,

Via per Cernobbio 11, 22100, Como - Italy

[chiara.stefanetti@centrovolta.it](mailto:chiara.stefanetti@centrovolta.it)

