ICNC 2016 Satellite Symposium

Is Autism a treatable disorder?

Rome, April 29th 2016

Morning session

Chairpersons: Paolo Curatolo (Tor Vergata University, Roma, Italy)
              Federico Vigevano (OPBG, Rome, Italy)

08:30 Opening remarks: Is Autism curable?
       Paolo Curatolo (Tor Vergata University, Rome, Italy)

08:45 Molecular understanding of the pathophysiology of ASD
       Toru Takumi (Hiroshima University, Japan)

09:15 Synapsis as a therapeutic target in ASD
       Enrico Cherubini (European Brain Research Institute, Rome, Italy)

09:45 mTOR pathway and ASD
       Valerio Napolioni (Stanford University, USA)

10:15 The multi-tasking CYFIP1 protein affects mammalian brain wiring: insights into ASD
       Claudia Bagni (Tor Vergata University, Rome, Italy - Leuven University, Belgium)

10:45 Coffee break

11:00 New genes for the epilepsy - autism comorbidity
       Shinichi Hirose (Fukuoka University, Japan)

11:30 Epigenetic understanding of gene environment interactions and potential therapeutic strategies (Yukio Fukuyama Award)
       Takeo Kubota (Japan Red Cross Blood Center, Japan)

12:00 What works for whom? Effective early intervention and predictors of outcome in ASD
       Ditza Zachor (Assaf Harofeh Medical Center, Zerifin, Israel)

12:30 Therapeutic strategies in autism secondary to metabolic and mitochondrial disorders
       Vincenzo Leuzzi (Sapienza University, Roma, Italy)

13:00 Drugs in development for ASD
       Luigi Mazzone (OPBG, Roma, Italy)

13:30 Break
**Afternoon session**

Chairpersons: Giangennaro Coppola (Salerno University, Italy)  
Renata Rizzo (Catania University, Italy)

14:30 Oral presentations on mouse models, clinical trials, treatment options:

- Uncovering early markers of disease: altered neonatal behaviors and increased expression of endogenous retroviruses in preclinical models of Autism Spectrum Disorders – Gemma Calamandrei (ISS, Roma, Italy)
- In vitro and in vivo studies on the autism-associated mutation Neuroligin3 R451C – Antonella De Jaco (Sapienza University, Roma, Italy)
- Reduced prefrontal connectivity in mouse lines harboring autism-associated mutations – Alessandro Gozzi (IIT, Rovereto, Italy)
- Comparative gene expression analysis in two mouse models of autism – Giovanni Provenzano (Università di Trento, Italy)
- A molecular signature that modulates protein synthesis in non-syndromic ASD – Eleonora Rosina (Tor Vergata University, Roma, Italy)
- Translational neurobiology in Shank mutants - mouse models for ASD – Michael Schmeisser (Ulm University, Germany)
- Mutations in BCKD-kinase lead to a potentially treatable form of autism with epilepsy – Gaia Novarino (IST, Vienna, Austria)
- Autism Spectrum Disorder with or without epilepsy: comparative study of 207 patients – Benedetta Berlese (A.O.U. Verona, Italy)
- Very early parents mediated intervention in TSC infants at risk for Autism – Arianna Benvenuto (Tor Vergata University, Roma, Italy)

16:30 Round table on “research and evidence based treatment in ASD: bridging the gap”
Leonardo Emberti Giallorei - Chair (Tor Vergata University of Rome, Italy)  
Enrico Cherubini (European Brain Research Institute, Rome, Italy)  
Luigi Mazzone (OPBG, Roma, Italy)  
Valerio Napolioni (Stanford University, USA)  
Ditza Zachor (Assaf Harofeh Medical Center, Zerifin, Israel)

18:00 Final remarks