

# Outline Draft Programme

\*\*\* This programme is currently in preparation, and is subject to change without notice. \*\*\*



## Early/late-life adversities and behavioural phenotypes: insight into metabolomics, genomics and connectomics

### Scientific Committee

Antonio Federico (Chairman)

Annapia Verri (Co-Chair)

Leopold Curfs (Maastricht)

Ann Swillen (Leuven)

Flora Tassone (Davis, USA)

Alexander Von Gontard (Saarland)

### Local Organizing Committee

Antonio Federico (Siena)

Maria Teresa Dotti (Siena)

Anna Pia Verri (Pavia)

Ilaria Di Donato (Siena)

Simona Salvatore (Siena)

Gemma Tumminelli (Siena)

Eleonora Maino (Siena)

## SSBP Educational Day 2016

### New developments in behavioral phenotypes and neurodegenerative diseases: insight into metabolomics, genomics and connectomics

Friday, 9 September 2016

13:00 – 14:00: Registration

14:00: Welcome

#### **SESSION 1: Update on Rett syndrome (Chair: Leopold Curfs, Maastricht)**

14:15-14:55: Keynote 1 - Sakkubai Naidu (Baltimore, USA) - *Rett syndrome: from Discovery to Treatment.*

14:55-15:35: Keynote 2 - Alessandra Renieri (Siena, Italy) – *Dissecting the genomic complexity underlying the Rett spectrum disorders*

15:35-15:45: General discussion

**15:45-16:00 Tea/Coffee**

#### **SESSION 2: Brain connectomics in behavioural phenotypes and neurodegenerative diseases**

**Chair: A Federico/MT Dotti (Siena,Italy)**

16:00-16:30: Keynote 3 - Dafin Muresanu (Cluj-Napoca,Romania) - *From molecules to large scale networks in brain protection and recovery*

16:30-17:00: Keynote 4–Massimo Filippi (Milan, Italy) – *The "vegetarian brain": behind our dietary habits and ethical beliefs*

17:00-17:30: Keynote 5 - Antonio Giorgio (Siena, Italy) - *Brain connectivity during development of the human brain.*

**17.30-17.45 Tea/Coffee**

17.45-18.15: Keynote 6 – Stefano Cappa (Pavia, Italy) - *Brain connectivity in neurodegenerative diseases – from phenotype to proteinopathies*

18.15- 18.30: General discussion

18:30-19:00: Keynote 7: David Zee (Baltimore, USA) - *Eye movements in neurodegenerative diseases*

19:00-19:15: Discussion

**19:15- 20:30: Welcome Reception**

**SSBP Research Symposium 2016**  
**From genetics to epigenetics in neurodevelopmental disorders**  
**Saturday, 10th September 2016**

7:30-8:30: Registration & putting up of posters

**SESSION 1: Autism and related neurodevelopmental disorders**

**Chair : Pat Howlin (UK)**

8:30 -9:00: Keynote 8 – Andreas Chiochetti (Frankfurt am Main) - *Autism Spectrum Disorders: Complex disorders with a complex genetic architecture*

9:00-10:30: Free selected oral communications (4) [15min & 5min Q&A]

10:30-11:00:Keynote 9 - Ernesto Burgio (Brussels, Belgium) - *The rise of Neurodevelopmental Disorders (NDS): from genetics to epigenetics*

***11:00-11:30: Coffee Break and poster viewing***

**SESSION 2: Behavioural phenotypes in genetic neurometabolic disorders**

**Chair: Petrus de Vries (South Africa)**

11:30-12:00: Keynote 10: James Harris (John Hopkins, Baltimore) - *Lesch Nyhan Syndrome - A Quarter Century of Progress*

12:00-12:40: Oral Communication (2)

12:40-13:10: Keynote 11: A. Federico (Siena) - *Genetic and metabolic consequences in brain function and dysfunctions and phenotypic presentations*

***13:10-14:30 LUNCH and POSTER VIEWING***

**SESSION 3: Down Syndrome and other behavioural phenotypes**

**Chair : Stuart Einfeld (Australia)**

14:30-15:00: Keynote 12: Andre Strydom- (UK) *Cognitive decline and dementia in Down syndrome"*

15:00-17:00: Free communications (6)

**17:00-17:15: Tea/Coffee**

17:15- 18:00: Keynote 13: Shahid Zaman (UK) *Approaches to evaluating the earliest manifestations of Alzheimer's disease in Down syndrome*

18:30: *Visit to the City Hall and Museum, walk to the Piazza Duomo, the Santa Maria della Scala Hospital and Museum, visit to a Contrada.*

**20:30: Social dinner in a Contrada**

**Sunday 11<sup>th</sup> September 2016**

**SESSION 4: X-related disorders and other behavioural phenotypes.**

**Chair: Flora Tassone (USA), Annapia Verri (Pavia, Italy)**

8:30-9:15: Keynote 14: Sophie Van Rijn (Leiden University, The Netherlands) - *Social, Emotional and Behavioral problems in individuals with an extra X chromosome (47,XXX and 47,XXY): A focus on underlying neurocognitive mechanisms*

9:15-10:30: Free communications (3)

10:30-11:15: SSBP AGM and Award Ceremony

**11:15-11:45 Tea/Coffee**

11:45-12:15: Keynote 15: Randi Hagerman (USA) *Advances in Research in Fragile X Syndrome*

12:15-12:30: Conclusion (A. Federico, P. de Vries)

12:30: End of Conference