

Neurodevelopmental Disorders: From molecular mechanisms to social inclusion

7TH BORDEAUX NEUROCAMPUS CONFERENCE - 18-20 MAY 2022

TUESDAY, MAY 17TH

18:00 - 19:30 Conference for a wide audience (*Librairie Mollat – Station Ausone*)
With Catherine Barthélémy and Manuel Bouvard

WEDNESDAY, MAY 18TH

8:30 - 9:00 Registration and welcome coffee

9:00 - 9:10 Welcoming speech - **Nathalie SANS**, Vice-présidente recherche

SESSION 1 GENETIC & EPIGENETICS OF NDDS CHAIR: SOPHIE LAYÉ, MANUEL BOUVARD

9:10 - 9:55 Lecture - **Thomas BOURGERON** - *Phenotypic effects of genetic variants associated with autism beyond diagnosis*

9:55 - 10:25 **Marianne VAN DEN BREE** - *Genetic conditions with high risk of neurodevelopmental disorder*

10:25 - 10:55 Coffee break / booths / posters

10:55 - 11:25 **Jonathan VANRYZIN** - *Glia as sculptors of sex differences in the social brain*

11:25 - 12:10 Lecture - **John F. CRYAN** - *Microbiome as a key regulator of Neurodevelopment & Behaviour*

12:10 - 13:40 Lunch break / booths / posters

SESSION 2 MODELS OF NDDS CHAIR: SUSANNA PIETROPAOLO, JEAN-RENE CAZALET

13:40 - 14:10 **Susanna PIETROPAOLO** - *Novel therapeutic strategies for neurodevelopmental disorders: lessons from behavioural studies on genetic mouse models*

14:10 - 14:40 **Jean-Claude LACAÏLLE** - *Neurodevelopmental disorders: Troubled translation in inhibitory interneurons*

14:40 - 15:10 **Deepak SRIVASTAVA** - *Human cellular models of neurodevelopment and psychiatric disorders*

15:10 - 15:35 Coffee break / booths / posters

15:35 - 16:05 **Peter KIND** - *Cellular and circuit alterations in rodent models of ASD/ID*

SESSION 3 SEX/GENDER AND NDDS CHAIR: ANOUCK AMESTOY

16:05 - 16:50 Lecture - **Meng Chuan LAI** - *Why we must consider sex and gender factors to understand autism and support autistic individuals*

16:50 - 17:20 **William MANDY** - *Time to lose the mask? Understanding the nature, consequences and costs of camouflaging by autistic people.*

From 17:20 Wine and cheese / booths / posters

THURSDAY, MAY 19TH

8:45 - 9:15 Welcome coffee

SESSION 4 DEVELOPMENTAL AND MOLECULAR BASIS OF NDDS CHAIR: MIREILLE MONTCOUQUIOL, MOHAMMED JABER

9:15 - 9:45 **Gaia NOVARINO** - *Studying cortical development through the lens of human disorders*

9:45 - 10:15 **Mathias GROSZER** – *Approaching human neurodevelopment through studying of rare mutations*

10:15 - 10:45 **Mohamed JABER** – *Motor and gait disorders in autism as a biological and early diagnostic criterion: proof of concept in animal models*

10:45 - 11:15 Coffee break / booths / posters

11:15 - 11:45 **Sonia GAREL** - *The many roles of microglia in brain wiring: a developmental perspective*

11:45 - 12:15 **Denis JABAUBON** - *Temporal controls over developmental cortical neuron diversity*

12:15 - 14:00 Lunch break / booths / posters

LECTURE

14:00 - 14:45 Lecture - **Guoping FENG** - *Dissecting neurobiological mechanisms of ASD: from genes to circuits*

SESSION 5 BIOMARKERS OF NDDS CHAIR: NATHALIE SANS, LAURENT GROC

14:45 - 15:15 **Laurent GROC** - *Receptor dynamics and interaction during neuronal network maturation*

15:15 - 15:45 **Xavier ALTAFAJ** - *Comprehensive delineation and precision medicine of GRIN-related neurodevelopmental disorders, a primary disturbance of the NMDA receptor*

15:45 - 16:15 **Sophie LAYÉ** - *Early-life deficiency in polyunsaturated fatty acids, a risk factor for neurodevelopmental disorders*

16:15 - 16:45 Coffee break / booths / posters

LECTURE

16:45 - 17:30 Lecture – **Pierre GRESSENS** – *Roles of microglia in NDDS*

20:00 - 23:00 **Gala dinner** (*Château Luchey-Halde*)

FRIDAY, MAY 20TH

8:30 - 9:00 Welcome coffee

SESSION 6 BIOMARKERS OF NDDS CHAIR: CATHERINE BARTHELEMY, PAUL OLIVIER

9:00 - 9:30 **Jean-Christophe DELPECH** - *Role of microglia in the deleterious effects of gestational inflammation on brain functioning*

9:30 - 10:00 **Frédérique BONNET-BRILHAUT** - *From early synchronization to social cognition: developmental trajectories in Autism*

10:00 - 10:30 **Andreas FRICK** - *Mechanisms of atypical sensory information processing within the somatosensory cortex in an autism mouse model*

10:30 - 11:00 Coffee break / booths / posters

11:00 - 11:30 **Laurence VAIVRE-DOURET** - *Multidimensional contribution of assessment for the identification of neurodevelopmental markers: Developmental Coordination Disorder (DCD)*

PRESENTATION GIS AUTISME ET TND

11:30 - 12:00 **Catherine BARTHELEMY, Paul OLIVIER** - *Boosting network research for the benefit of people with neurodevelopmental disorders and their families : European perspectives.*

12:00 - 13:30 Lunch break / booths / posters

SESSION 7 NOUVELLES TECHNOLOGIES (IN FRENCH) CHAIR: ANOUCK AMESTOY, MANUEL BOUVARD

13:30 - 14:00 **Eric LEMONNIER** - *TSA : un dépistage dès les premiers jours de vie est-il envisageable ?*

14:00 - 14:30 **Cécile MAZON** - *Technologies numériques pour la scolarisation des enfants avec TSA*

14:30 - 15:00 **Anouck AMESTOY** – *Profils attentionnels, socio-émotionnels et moteurs : l'intérêt des regards croisés dans la recherche sur les TND.*

15:00 - 15:30 Coffee break / booths / posters

ROUND TABLE (IN FRENCH) CHAIR: SOPHIE LAYÉ, MANUEL BOUVARD

15:30 - 17:00 **Autisme, TDAH, DYS : expérience et attentes des usagers partenaires de la recherche**
Avec les associations
Autisme France/URAFa, HyperSupers TDAH France, Asperansa, Fédération Française des DYS

17:00 - 17:15 Closing remarks