5th annual symposium of the Autism and NDD GIS

International research symposium on NDD
Biomarkers – Understanding, averting and intervening

November 14th, 2024 – Maison de la Chimie, 28 rue Saint-Dominique, Paris, France

9h00 – 9h15 : Introduction by Etienne Pot – Interministerial Delegate for the National Strategy for NDD

9h15 – 10h05 : Inaugural presentation : Clinical biomarkers – state of the art
- By Jan BUITELAAR, Radboud University, Nijmegen, Netherlands

10h05 – 11h05 : Session « Early detection of risk-situations : genetic, molecular, cellular, omics, imaging biomarkers »
- 10h05 – 10h35 : Genetics of Intellectual Development Disorders and biomarkers by Marc ABRAMOWICZ, Geneva University, Switzerland
- 10h35 – 11h05 : Artificial intelligence for studying biomarkers of neurodegenerative diseases by Stéphanie ALLASSONNIERE, PrAIrie Institute, Paris, France

11h05 – 11h30 : Coffee break

11h30 – 12h15 : Non-profit round table : « How can we reconcile basic and participatory research ? »

Chair : Fabian DOCAGNE, Inserm Sciences and Society Department

Participants :
- Marc ABRAMOWICZ, Geneva University, Switzerland
- Sophie BIETTE, UNAPEI
- Stef BONNOT-BRIEY, PAARI
- Jan BUITELAAR, Radboud University, Nijmegen, Netherlands
- Hélène FRENKIEL, Non-profit Xtraordinaire

12h15 – 14h00 : Lunch break

14h00 – 14h45 : Young researchers session

- 14h00 – 14h15 : Are neonatal somatosensory regulation skills an early marker of neurodevelopmental outcomes at age 2 in infants born preterm ? By Victoria DUMONT, COMETE, Caen
- 14h15 – 14h30 : Explaining individual differences with genetics and brain profiles in autism : an ongoing study. By Mathis FLEURY, Pasteur Institute, Paris
- 14h30 – 14h45 : Disrupted stimulus encoding in the neocortex underlies tactile perception alterations in the Fmr1 mouse model of autism. By Ourania SEMELIDOU, Neurocentre Magendie, Bordeaux

14h45 – 16h05 : Session « Linking biomarkers, prognostic and response to treatments and interventions »

- 14h45 – 15h15 : How genetics can be used to predict the outcome of treatment and care for people with NDD by Kristiina TAMMIMIES, Karolinska Institutet, Sölna, Sweden
- 15h15 – 16h05 : Linking biomarkers, prognosis and response to treatment and interventions – Multidimensional approaches by Eva Loth, King's College, London, Great Britain

16h05 – 16h30 : Coffee break

16h30 – 17h30 : Round table : Moving forward from one-dimensional approaches – linking genetic, molecular and cellular mechanisms to individual functional profiles

- Introduction : Promises and limits of biomarkers in neuroscience by Boris CHAUMETTE, IPNP, Paris

Chair : Pierre GRESSENS, director of the Autism and NDD GIS

Participants :

- Evdokia ANAGNOSTOU, Toronto University, Canada
- Kristiina TAMMIMIES, Karolinska Institutet, Sölna, Sweden
- Eva LOTH, King's College, Londres, Great Britain
- Jeanette SCHAEFFER, Amsterdam University, Netherlands

17h30 – 18h00 : Conclusions by Pierre GRESSENS, director of the GIS

Find out more on the Autism and NDD GIS

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