

Program **NEURO**day 2023

May 12th, UAntwerp Campus Drie Eiken

8:30 – 9:00 Registrations (Building R) & hanging posters (Building Q, Foyer)

9:00 – 10:30 Welcome & introduction to the neuro-landscape at UAntwerp (Aula R2)

Welcome

Introduction of neuroscience research across UAntwerp's groups/institutes/faculties (with representatives of the research groups)

Dr. Bruno Hoste (RIVA) - The YUFE alliance: opportunities for international collaboration

10:30 – 11:00 Coffee break + poster glimpse (Q Foyer)

11:00 – 12:10 Scientific Session 1: Fundamental neuro-research (Aula R2)

Moderators: Prof. Albena Jordanova (Molecular Neurogenomics, VIB-CMN) & Dr. Helen Ray-Jones (Computational Neurobiology, VIB-CMN)

11:00 – 11:20 **Keynote lecture**

Prof. Emanuela Pasciuto (Neuroimmunology, VIB-CMN) - Role of T cells in brain function and dysfunction

11:20 – 12:10 **NEUROpitches (Max. 5 min. each)**

Jasmien Orije (Bio-Imaging Lab)

A bird's eye view on its visual system

Jonas Govaerts (Laboratory of Experimental Hematology)

Immune reactivity of mature hiPSC-derived neurospheroids to Varicella-Zoster Virus

Charissa Millevert (VIB-CMN Applied & Translational Neurogenomics)

Longitudinal, in-vivo functional and molecular imaging to characterize neurodevelopment from infantile to adult age in wild-type mice

Nastasia Popowycz (ASTARC)

The role of Ascl1a and Bmp2b in the development of the enteric nervous system in zebrafish (*Danio rerio*)

Leonardo Ricciardi (Bio-Imaging Lab)

Longitudinal evaluation of the therapeutic effect of APRIL in the Cuprizone mouse model of Multiple Sclerosis

Jessica Rosenblum (Centre of Medical Genetics)

A transcriptome-directed approach to brain malformations

Lien Van Laer (MOVANT)
Clinical neuro-research

Risk factors for developing chronic dizziness after an acute unilateral vestibulopathy

12:10 – 13:40 Lunch + poster presentations (Q Foyer)

13:40 – 15:20 Scientific Session 2: Translational neuro-research (Aula R2)

Moderators: Dr. Marijne Vandebergh (Applied and Translational Neurogenomics, VIB-CMN) & Prof. Tommas Ellender (Experimental Neurobiology Unit)

13:40 – 14:00 **Keynote lecture**

Prof. Daniele Bertoglio (Bio-Imaging Lab) – In vivo imaging therapeutic response in Huntington's disease

14:00 – 15:20	NEUROpitches (Max. 5 min. each)	
	Emilie Cardon (Translational Neurosciences)	Ringing in the brain: the neural signature of tinnitus
	Judith van Rooij (Bio-Imaging Lab)	Short term effect of caloric restriction or resveratrol on functional connectivity in female TgF344-AD rats using rsfMRI
	Inge Mertens (Centre for Proteomics)	Proteomic comparison between CSF samples and CSF-derived EVs from patients with dementia related syndromes
	Joyce Bosmans (Translational Neurosciences)	The human vestibular network
	Sarah De Beuckeleer (Laboratory of Cell Biology and Histology)	Unbiased cell profiling enables staging the maturity of human iPSC-derived neural cultures
	Lana Biot (Translational Neurosciences)	Objectively assessing speech discrimination with the Acoustic Change Complex (ACC)
	Marije Meuwissen (Centre for Medical Genetics)	Identification of genetic causes and dysregulated pathways in cerebral palsy and malformations of cortical development
	Liene Thys (Centre of Medical Genetics)	Autophagy dysregulation in cerebral palsy: a common mechanism?
	Greta Klejborowska (Medicinal Chemistry)	Breaking Barriers: How Scientists Develop Drugs to Treat Brain Diseases
	Mohit Adhikari (Bio-Imaging Lab)	Altered Directed Information Flow in the TgF344-AD rat model of Alzheimer's disease at Pre- and Early-plaque Stages.
	Dorien Verdoodt (Translational Neurosciences)	Gene therapy in the inner ear
15:20 – 15:50	Coffee break + poster glimpse (Q Foyer)	
15:50 – 17:00	Scientific Session 3: Clinical neuro-research (Aula R2)	
	<i>Moderators: Dr. Hannah Stamberger (Applied and Translational Neurogenomics, VIB-CMN) & Prof. Dr. Anna Jansen (Translational Neurosciences, Department of Pediatric Neurology UZA)</i>	
15:50 – 16:10	Keynote lecture <i>Prof. Mira Meeus (MOVANT) – Central sensitization: From neuron responsiveness to clinical responsibility</i>	
16:10 – 16:50	NEUROpitches (Max. 5 min. each)	
	Lora Van Loenhout	Neurocognitive and hypokinetic movement disorder secondary to BCMA CAR-T cell therapy: a case report
	Charlotte Johnson (MOVANT)	Balance control in children with developmental coordination disorder
	Annelies Heylen (Experimental Neurobiology Unit)	Discrimination between dementia with Lewy bodies and Alzheimer's disease based in biofluid monoamines, biomarker values and cognitive parameters
	Jonas Schröder (MOVANT)	How do stroke survivors regain balance and walking ability? From behavioral recovery mechanisms towards evidence-based rehabilitation practice.
	Jonas Janssens (CAPRI)	INSTA-MD Inflammation in depression, should we treat it?
	Elissa Embrechts (MOVANT)	Does visuospatial neglect contribute to standing balance in the first 12 weeks post-stroke? A prospective longitudinal study
16:50 – 17:00	Closing remarks	