Program NEUROday 2023

May 12th, UAntwerp Campus Drie Eiken

Poster presentations

12:40 – 13:10: Poster walk 1 (odd numbers)
13:10 – 13:40: Poster walk 2 (even numbers)

Fundamental Neuro-research

1	**Jonas Govaerts – Laboratory of Experimental Hematology, Neuroinflammation group** Immune reactivity of mature hiPSC-derived neurospheroids to Varicella-Zoster Virus
2	**Charissa Millevert – Applied and Translational Neurogenomics group** Longitudinal, in-vivo functional and molecular imaging to characterize neurodevelopment from infantile to adult age in wild-type mice
3	**Hosna Ghaderi – Ophtalmology Department** The potential influence of the ligament of Wieger on the crystalline lens shape
4	**Leonardo Ricciardi – Bio-Imaging Lab** Longitudinal evaluation of the therapeutic effect of APRIL in the Cuprizone mouse model of Multiple Sclerosis
5	**Laura Morant – Molecular Neurogenomics Group** Uniform Drosophila models for four CMT-related aminoacyl-tRNA synthetases reveal common signs of toxicity
6	**Camila Armirola Ricaurte – Molecular Neurogenomics Group** Homozygous NDUFS6 splice variant highlights the importance of peripheral neuropathy in the clinical spectrum of primary mitochondrial disorders
7	**Steven Jillings – Lab for Equilibrium Investigations and Aerospace (LEIA)** Brain structural and functional changes after long-duration spaceflight
8	**Arezoo Farzanfar – Ophtalmology Department** Estimating the biometric contributions to variations in refractive error by means of error propagation
9	**Ana Richart – Experimental Neurobiology Unit** Probing the potential of the NMDA receptor allosteric modulator TCN 201 in controlling hippocampal seizures
10	**Johanna Van den Daele – Laboratory of Cell Biology and Histology** Towards integration of iPSC-derived microglia in cerebral organoids
11	**Nastasia Popowycz – ASTARC, Lab of Humane Anatomy and Embryology** The role of Ascl1a and Bmp2b in the development of the enteric nervous system in zebrafish (Danio rerio)
12	**Harshil Vyas – Neuroeconomics** Social Decision-Making: How stereotypes and group membership interact to affect fairness, a fMRI study
13	**Jessica Rosenblum – Centre of Medical Genetics** A transcriptome-directed approach to brain malformations

Translational Neuro-research

14	**Judith van Rooij – Bio-Imaging Lab** Short term effect of caloric restriction or resveratrol on functional connectivity in female TgF344-AD rats using rsfMRI
15	**Nina Dirckx – Applied & Translational Neurogenomics Group** Identification of KCNQ2 mutation specific electrophysiological fingerprints on a network level
16	**Sarah De Beuckeleer – Laboratory of Cell Biology and Histology** Unbiased cell profiling enables staging the maturity of human iPSC-derived neural cultures
17	**Tamara Vasilkovska – Bio-Imaging Lab** Resting-state quasi-periodic patterns reveal functional rescue in an mHtt lowering mouse model of Huntington's disease
18	**William Keustermans – Laboratory of Biophysics and BioMedical Physics** Towards efficient nose to brain drug delivery: A personalized approach
19	**Liene Thys – Centre of Medical Genetics, Pediatric Neurology** Autophagy dysregulation in cerebral palsy: a common mechanism?
20	**Claudia Schrauwen – Bio-Imaging Lab** Preclinical in vivo imaging of synaptic density and white matter integrity as non-invasive biomarkers for spinal cord injury
21	**Noortje Zonnekein – Applied & Translational Neurogenomics Group** Untangling the role and contribution of neurons and microglia to KCNQ3 Gain-of-Function Encephalopathy in immunocompetent forebrain organoids
22	**Laura Garcia Pupo – Proteinchemistry, Proteomics and Epigenetic Signalling** Amylovis-201, a novel and potent sigma-1 agonist with anti-amyloidogenic activity, is a potential compound for the treatment of Alzheimer's disease
23	**Joëlle van Rijswijk – Bio-Imaging Lab** Early mHtt lowering partially rescues structural brain alterations in the LacQ140 mouse model of HD
24	**Tim Van De Looverbosch – Laboratory of Cell Biology and Histology** Automatic localization of glioblastoma cell invasion in cerebral organoids
25	**Liesbeth Everix – Molecular Imaging Center Antwerp** Exploring mHTT aggregate and PDE10a fluctuations in relation to CAG expansion in the somatically unstable Q111 and zQ175DN mouse model of Huntington’s disease
26	**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.

Clinical Neuro-research

27	**Lien Van Laer – MOVANT** Risk factors for developing chronic dizziness after an acute unilateral vestibulopathy
28	**Diana Giraldo – imec-Vision Lab** Comparison of diffusion kurtosis imaging and multi-tissue CSD for the investigation of group differences in Alzheimer's disease
29	**Céline Wessa & Jonas Janssens – CAPRI** Inflammation in depression, should we treat it?
30	**Elissa Embrechts – MOVANT** Does visuospatial neglect contribute to standing balance in the first 12 weeks post-stroke? A prospective longitudinal study
31	**Jens Renders – imec-Vision Lab** DELTA-MRI: Direct deformation Estimation from LongiTudinally Acquired k-space data
32	**Amber van Hinsberg – MOVANT** How is the integrity of the CST and non-CST tracts related to independent walking after stroke? A systematic review.
33	**Tibo Schoofs, Anton Adams & Maarten De Beukelaer – Translational Neurosciences** Care management of multiple system atrophy
34	**Annelies Heylen – Experimental Neurobiology Unit, Neurochemistry & Behaviour** Discrimination between dementia with Lewy bodies and Alzheimer's disease based in biofluid monoamines, biomarker values and cognitive parameters
35	**Charlotte van der Waal – MOVANT** Clinical assessment of Subjective Visual and Haptic Vertical norms in healthy adults
36	**Catho Schoenmaekers – Lab for Equilibrium Investigations and Aerospace (LEIA)** Mal de débarquement syndrome, an unknown neurovestibular disorder
37	**Charlotte Johnson – MOVANT** Balance control in children with developmental coordination disorder
38	**Eugénie Lambrecht – MOVANT** Gait and postural balance analysis during head-motion perturbed standing and walking in (frail) older adults – a multisensory approach by use of mixed-reality