

## Research Posters MP Retreat Nov 2023

Poster #	Name & Poster Title
1	<b>Andreas Bruzelius, LU</b> <i>A three-dimensional co-culture model to generate subtype specific interneurons</i>
2	<b>Anna Bartalis, RU</b> <i>Investigation of calcium phenotypes in neurons carrying RHOT1 mutations</i>
3	<b>Anna Orduña Dolado, LU</b> <i>Effects of time of the day at sampling on CSF and plasma levels of Alzheimer's Disease biomarkers</i>
4	<b>Carolina Buizza, LU</b> <i>The Transcriptional Landscape of Pericytes in Acute Ischemic Stroke</i>
5	<b>Christina-Anastasia Stamouli, LU</b> <i>Investigating a gene regulatory network and trajectory for parvalbumin interneurons</i>
6	<b>Constanza Aretio, LU</b> <i>Neural reprogramming of human glia in brain organotypic culture</i>
7	<b>Dajana Großmann, RU</b> <i>Functional analysis of membrane contact sites in neurodegenerative diseases</i>
8	<b>Dovile Poceviciute, LU</b> <i>Okinawa-based Nordic diet decreases plasma GFAP levels in Type 2 Diabetes patients</i>
9	<b>Edoardo Sozzi, LU</b> <i>Co-graft of dopamine progenitors and supporting cells to enhance cell-based therapy for Parkinson's disease</i>
10	<b>Efthymia Kafantari, LU</b> <i>Whole exome sequencing of 67 Swedish Parkinson patients identifies a family with VPS35 D620N</i>
11	<b>Elin Arvidsson, LU</b> <i>Establishing an experimental sgRNA expression screening assay for CRISPR activation in vitro</i>
12	<b>Ellen Singleton, LU</b> <i>Females exhibit differential associations between tau accumulation and cognitive decline over time than males across the AD clinical continuum</i>
13	<b>Emma Nyberg, LU</b> <i>The effect of APOE genotype on endolysosomal dynamics in neurons</i>
14	<b>Filip Bäckström, LU</b> <i>Selective inhibition of soluble tumor necrosis factor in an alpha-synuclein-induced in vivo model for Parkinson's disease</i>
15	<b>Gabriele Vilkaite, LU</b> <i>Exploring AD single-cell transcriptome in the context of small vessel disease</i>
16	<b>Georgios Michalettos, LU</b> <i>Impaired oligodendrogenesis in the white matter of aged mice following diffuse traumatic brain injury</i>
17	<b>Ines Hristovska, LU</b> <i>Identification of Distinct and Shared Biomarkers in Cerebral Small Vessel Disease through Proteomic Profiling of Cerebrospinal Fluid</i>
18	<b>Jana Bonsberger, LU</b> <i>Patient-derived dopamine neurons for autologous cell replacement therapy for Parkinson's disease</i>
19	<b>Jonathan Rittmo, LU</b> <i>Charting functional reorganisation across the lifespan and it's cognitive consequences</i>

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20	<b>Kevin Peikert, RU</b> <i>Disorder of bulk lipid transfer? Lipid composition and distribution in cellular models of VPS13A disease</i>
21	<b>Linda Karlsson, LU</b> <i>Cerebrospinal fluid reference proteins increase accuracy and interpretability of biomarkers for brain diseases</i>
22	<b>Lluís Camprubí Ferrer, LU</b> <i>Unravelling the role of microglia in neuroinflammation and tau pathology</i>
23	<b>Luke Harper, LU</b> <i>Prenatal Neurodevelopmental Brain Reserve Influences Disease Expression in behavioural variant Frontotemporal Dementia</i>
24	<b>Lyduine Collij, LU</b> <i>Optimal combination of CSF phosphorylated-tau forms to predict Alzheimer's disease pathological burden as measured by PET</i>
25	<b>María García Garrote, LU</b> <i>Unravelling the role of vascular leptomeningeal cells (VLMCs) in hPSC-derived grafts for Parkinson's Disease</i>
26	<b>Marios Kritsilis, LU</b> <i>The glymphatic system in a mouse model of heart failure</i>
27	<b>Martino Avallone, LU</b> <i>Engineered retrogradely transported, barcoded AAVs elucidate molecular pathways involved in the pathogenesis in Parkinson's disease (PD)</i>
28	<b>Max Lindberg, LU</b> <i>A novel solubility assay for amyloid <math>\beta</math> peptides</i>
29	<b>Sara Corsi, LU</b> <i>Exploring alpha-synuclein pathology development and microglial response in stem cell-derived transplants in a humanized xenograft model of PD</i>
30	<b>Sofia Bergh, LU</b> <i>Hypothalamic Pathology as a Novel Target for Therapeutic Intervention in the Spectrum of Amyotrophic Lateral Sclerosis and Frontotemporal dementia</i>
31	<b>Sophie Mastenbroek, LU</b> <i>Uncovering distinct spatial-temporal trajectories of Lewy-type <math>\alpha</math>-synuclein pathology</i>
32	<b>Tekla Kylkilahti, LU</b> <i>Cerebrospinal fluid pathways are perturbed in prodromal Alzheimer's disease</i>
33	<b>Valentina Cesaroni, LU</b> <i>Mouse models of Parkinson's disease harboring human alpha-synuclein pathology</i>
34	<b>Xiao Yu, LU</b> <i>Transferable individual brain regional atrophy progression prediction using structural connectome</i>
35	<b>Yunxiao Li, RU</b> <i>Glutamatergic Argonaute2 controls retina development</i>



## Infrastructure & Other Posters MP Retreat Nov 2023

Poster #	Name & Poster Title
I	<b>Cell and Gene Therapy Core</b> Pia Johansson
II	<b>Electrophysiology Core Facility</b> Daniella Ottosson
III	<b>Mouse Behavioural Platform</b> Elena Espa
IV	<b>MultiPark biobank Sample Collection</b> Maria Swanberg
V	<b>Multipark Flow Cytometry and High Content Imaging Core Facility</b> Anna Hammarberg
VI	<b>MultiPark NGS database / clinical bioinformatics infrastructures</b> Andreas Puschmann
VII	<b>Resilience in neurodegeneration – from the model to the patient to the population</b> Centre for Transdisciplinary Neurosciences Rostock
VIII	<b>Neuroimaging</b> Markus Nilsson
IX	<b>Clinical Parkinson Research Platform</b> Per Odin & Stina Jonasson
X	<b>Life Science Microfluidics - a LTH research infrastructure</b> Martin Bengtsson, Lars Wallman, Thomas Laurell
XI	<b>Young MultiParkers</b> Lluís Camprubí Ferrer
XII	<b>The Azure Sapphire instrument</b> AH Diagnostics