

## Poster session at the DANDRITE SAB & Retreat 23 May 2024

Posters from session A will be presented at 17:15-17:45

Session	Poster nr.	First name	Last name	Group	Poster title
A	1	Rachel	Kelly	Denham	Lineage-restricted undifferentiated stem cells: a novel cell replacement therapy for Parkinson's disease
A	3	Nanna	Møller Jensen	Jensen	Non-inclusion pathology in Parkinson's disease
A	5	Hjalte	Gram	Jensen	Characterization of structural and functional differences in $\alpha$ -synuclein aggregate strains
A	7	Yumiko	Kitazawa	Kitazawa	Recording cellular memory to unveil the mechanisms of brain memory
A	9	Francisca	Pinheiro	Kjærgaard	Targeting peptide drugs based on the activity state of synapses
A	11	João Alejo	Lima Mosqueira*	Nabavi	Hebbian plasticity associates events separated in time via heightened neuronal excitability and persistent firing. <i>*Shared poster.</i>
A	13	Gülberk	Barayktar	Nissen	Investigation of the sodium-potassium pump at the axon initial segment by expansion microscopy
A	15	João	Ramos	Nissen	Structural and biophysical studies of TrkB and p75NTR synaptic sorting by SorCS2
A	19	Karen Marie Juul	Sørensen	Nykjær	Sortilin in excitatory and inhibitory neurons
A	21	Sara	Derosa	Sun	Intracellular Regulators of Synaptic Ca <sup>2+</sup> Homeostasis
A	23	Rajlakshmi	Sawale	Vanwalleghem	Role of the gut microbiome in the functional development of the enteric nervous system and its link to autism spectrum disorders
A	25	David	Pueyo Castillo	Nissen	Extracting endogenous ATP7B in native nanodiscs for structural and functional studies

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Posters from session B will be presented at 17:45-18:15

Session	Poster nr.	First name	Last name	Group	Poster title
B	2	Lasse	Reimer	Jensen	Therapeutic protection against progressive Parkinson's disease through small molecule inhibition of the SERCA Ca <sup>2+</sup> transporter
B	4	Kaho	Ito	Kitazawa	From immediate early genes to memory engram: The molecular basis of how environmental stimuli shape diverse functionality of neuronal ensembles.
B	6	Valentina	Khalil	Kitazawa	Synapse-specific investigation of the single-cell gene regulatory dynamics to reveal the molecular basis of plasticity in aversive memory formation
B	8	Victoria	Twiddy	Kjærgaard	Tail Watching: Uncovering the Roles of the SorCS1-3 C-terminal Domains in Protein Trafficking
B	10	Islam	Faress	Nabavi	Subcortical threat processing and non-Hebbian consolidation of transient experience
B	12	Valentina	Villani	Sun	Local Enzymes that Remove Synaptic Ubiquitin Signals
B	14	Alexandra	Náplavová	Nissen	Searching for new targets: a potential of the orphan protein SLC12A8
B	16	Louise	Laursen	Nissen	Sorting of NMDAR is facilitated by SorCS1 and SorCS2 through C-terminal tail interactions
B	18	Sean	Hansen	Nissen	Elucidating the Ultrastructure of the Axon Initial Segment by cryo-Electron Microscopy
B	20	Felipe	Fredes	Nykjær	Lower and higher theta hippocampal states are associated with differential information encoding in single neurons
B	22	Alex	Harvey	Poulsen	The 3'UTR role in <i>Grin2b</i> mRNA processes for learning and memory
B	24	Silvia	Turchetto	Sun	Local Regulation of Synaptic Ubiquitin Signalling.
B	26	Sarah	Bickel Flensburg	Vanwallegem	Optical trapping of bacteria to control host-microbe interactions in the zebrafish gut

