

# Linköping University Neuroscience Retreat

Poster session April 25<sup>th</sup> 2024

Poster ID	Poster presenter	Title
1	Wajiha Zaidi	Unveiling Hidden Hearing Loss: Loud Low-Frequency Sounds Damage Cochlear Synaptic Transmission, While Preserving Sensory Cells Transduction
2	Therése Klingstedt	Optical Differentiation Of Protein Aggregates In Different Types Of Alzheimer's Disease And $\alpha$ -Synucleinopathies Using Thiophene-based Ligands
3	Silvia Castany	Lateral habenula activation modulates peripheral and central immune reactivity
4	Kanat Chanthongdee	Role of Prdm2 through the Prefrontal Projections in Stress-induced Reinstatement of Alcohol Seeking: An Epigenetic Mechanism with Potential Clinical Implications
5	Paula C. Salamone	Autonomic Modulations to Cardiac Dynamics in Response to Affective Touch: Differences between Social Touch and Self-Touch
6	Gisela Lazzarino	How does inflammation impact neural circuitries of affect?
7	Anna Maria Borruto	Sex-Dependent Effects on Oxycodone Preference in Rats: Insights into Social Hierarchy and Addiction Susceptibility
8	Michelle Nilsson	Electrical and G-protein Regulation of a Presynaptic Calcium Channel
9	Serena Pozzi	Enhanced $NA_v1.5$ ( <i>SCN5A</i> ) Activation in CPVT-like Arrhythmia

<b>10</b>	Pei Xin Boon	Role of phenylalanine residues in the transmembrane domain of the BK regulatory subunit, LINGO2
<b>11</b>	Jona Ekström	Mathematical modelling of levodopa dynamics in Parkinson's disease
<b>12</b>	Sarah Müller	Predicting a possible interaction site of estrogens with the human KV7.1/KCNE1 channel in the heart using synthetic estrogens and animal models
<b>13</b>	Mahsa Mousavi	A New Class of Thiophene-based Ligands for Targeting Distinct Aggregated Proteins in Neurodegenerative Disease
<b>14</b>	David Ramonet	Stabilization of the retromer complex with the tool compounds R55 and R33 ameliorates synaptic dysfunction in the Alzheimer's disease model 5xFAD
<b>15</b>	Anton Nordeman	Central amygdala PKC $\delta$ + neuronal ablation in different stages of conditioned fear
<b>16</b>	Nina Ottosson and Fredrik Elinder	Chemical Biology Consortium Sweden (CBCS) provides service to research groups
<b>17</b>	Andrea Coppola	A rat model to study the effects of social status in alcohol-related behavior
<b>18</b>	Priscila Batista Da Rosa	Understanding In Vivo polymerization and biocompatibility of substrate-free organic bioelectronics for Neural Interfaces: Preliminary Findings and Future Directions
<b>19</b>	Faiz M Kassim	Dexamphetamine widens stimulus binding windows in a unimodal Tactile Funneling Illusion
<b>20</b>	John Chen	Functional and Anatomical Characterization of Genetically Targeted Myelinated Nociceptors
<b>21</b>	Kaiqian (Catherine) Wang	Dichotomy of Ca <sub>v</sub> 2.1: to conduct or not to conduct?
<b>22</b>	Sanne Toivainen Eloff	A novel prkcd-cre knock-in rat model

<b>23</b>	Flavia Lorena Esposito	Communication through Social Touch in Autism Spectrum Condition
<b>24</b>	Reinoud Kaldewaij	Ketamine reduces the neural distinction between self- and other-produced affective touch - a randomized double-blind placebo-controlled study
<b>25</b>	Adam Enmalm	Body Perception and Social Touch Preferences in Times of Grief
<b>26</b>	Elena Di Martino	Inflammatory, metabolic and sex-dependent gene-regulatory dynamics of microglia and macrophages in neonatal hippocampus after hypoxia-ischemia
<b>27</b>	Henrik Podéus och Nicolas Sundqvist	Investigating the Dominant role of Inhibitory Neuronal Activity in the Neurovascular Coupling and fMRI: A Mechanistic Modelling Perspective
<b>28</b>	Mikael Pökl	Structurally similar cannabinoids as diverse hKv7 modulators
<b>29</b>	Laura Pehkonen	Exploring the Central and Peripheral Mechanisms of Affective Touch through Apparent Motion
<b>30</b>	Marvin Lambertus	Activation of melanocortin 4 receptor expressing neurons in the parabrachial nucleus leads to anorexia and aversion
<b>31</b>	Michele Petrella	Dissecting the role of lateral septum PKC $\delta$ neurons
<b>32</b>	Ali Kusay	Cholesterol has a unique binding fingerprint in Kv7.5 among the Kv7 ion channels
<b>33</b>	Alejandro Gonzales Alvarez	Nociceptive Schwann Cells Shape Mechanical Transduction and Nociception in Mice