

## **LS-14. Neuroscience**

8 September, 17:00 - 19:00 / 9 September, 16:30 - 18:30

### **LS-14-P-1487**

**Ultrastructural analysis of skin biopsy in patients with cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL)**

Presenting author: **Zaletel I.**

*Authors: Zaletel I., Labudović-Borović M., Puškaš N., Kostić J., Trtica M., Lačković V., Bajčetić M.*

### **LS-14-P-1685**

**Structural characterization and functional modeling of damaged myelin sheaths in human brain caused by neurological diseases**

Presenting author: **Filatov A.**

*Authors: Kurushin V., Shklover V., Filatov*

### **LS-14-P-2122**

**The role of an allosteric modulator of a fibroblast growth factor receptor in neurogenesis**

Presenting author: **Kubesova A.**

*Authors: Kubesova A., Palenicek T., Tyls F., Kaderabek L., Novakova P.,*

### **LS-14-P-2134**

**High resolution three-dimensional imaging of synaptic vesicles by focused ion beam milling and scanning electron microscopy (FIB-SEM)**

Presenting author: **Nakanishi S.**

*Authors: Nakanishi S.*

### **LS-14-P-2139**

**Visualization of P/Q-type calcium channels: a spider toxin ( $\omega$ -Agatoxin IV A) binds not only to living tissue but also to fixed tissue**

Presenting author: **Nakanishi S.**

*Authors: Nakanishi S.*

### **LS-14-P-2184**

**Radial glial as a progenitor cells in the neurogenic niches of Austrolebias brain fish.**

Presenting author: **Rosillo J. C.**

*Authors: Rosillo J. C., Torres M., Olivera S., Casanova G., García-Verdugo J. M., Fernández A.*

### **LS-14-P-2348**

**The effects of ghrelin against tunicamycin-triggered endoplasmic reticulum stress in C6 glioma cells**

Presenting author: **Yaprak Sarac E.**

*Authors: Yaprak Sarac E., Tanriverdi G., Guzel E., Bolkent S., Koyuturk M.*

### **LS-14-P-2389**

**Spatial Light Modulation – Two Photon Microscopy for scanless imaging and fast multi-site acquisition of functional signals**

Presenting author: **Pozzi P.**

*Authors: Pozzi P., Gandolfi D., Tognolina M., Mapelli J., Chirico G., D'Angelo E.*

#### **LS-14-P-2677**

### **CARNOSINE NEUROPROTECTION OF THE CEREBRAL CORTEX IN MICE EXPOSED TO VANADIUM INHALATION. AN ULTRASTRUCTURAL ANALYSIS**

Presenting author: **Colín-Barenque L.**

*Authors: Colín-Barenque L., Bizarro-Nevarés P., Gonzalez-Villalva A., Zepeda A., Pasos F., Reséndiz-Avendaño S., Rojas-Lemus M., Pedraza-Chaverri J., Medina-Campos O. N., Aley P., Espinosa-Villanueva J., Fortoul T. I.*

#### **LS-14-P-2755**

### **Hypoxia induces modifications in the synaptic organization: Two and Three Dimensional electron microscopy study.**

Presenting author: **Capani F.**

*Authors: Capani F., Romero J., Holubiec M., Logica Tornatore T., Giraldez I., Santos G., Castilla R., Blanco E.*

#### **LS-14-P-2905**

### **Ultrastructural analysis of single labelled glial cells in Drosophila**

Presenting author: **Barti B.**

*Authors: Barti B., Kis V., Sass M.*

#### **LS-14-P-2945**

### **Pathological modifications of tau protein during the formation of neurofibrillary tangles in Alzheimer's disease**

Presenting author: **Garcia-Sierra F.**

*Authors: Garcia-Sierra F., Jarero-Basulto J. J., Rodriguez-Cruz F., Torres-Cruz F. M., Kristofikova Z., Ripova D.*

#### **LS-14-P-2997**

### **The effect of valproic acid treatment on the dopaminergic neuron survival in a 6-hydroxydopamine rat model of Parkinson's disease**

Presenting author: **Cumbul A.**

*Authors: Dagdelen M., Cumbul A., Uslu U., Genc E.*

#### **LS-14-P-3189**

### **The neurodegenerative phenotype Trembler-J mouse model of CMT1E shows differences associated with PMP22 mutation, T1703C, in the extracellular matrix of peripheral nerve fibers**

Presenting author: **Villar S.**

*Authors: Villar S., Rosso G., Bresque M., Pizzarossa C., Romeo C., Cal K., Sotelo J. R., Negreira C., Kun A.,*

#### **LS-14-P-3241**

### **Participation of calcium-activated potassium channels in the formation of plasmerosomes in neurons**

Presenting author: **Kaufmann W. A.**

*Authors: Kaufmann W. A.*

#### **LS-14-P-3365**

### **ULTRASTRUCTURAL FEATURES OF PROGENITOR CELLS IN THE Austrolebias BRAIN**

Presenting author: **Casanova G.**

*Authors: Casanova G., Rosillo J. C., Olivera S., Fernández A. S.,*

**LS-14-P-3373**

**Genetically Encoded Sensors of Cell Membrane Voltage for Two-Photon Polarization Microscopy**

Presenting author: **Bondar A.**

*Authors: Bondar A. , Kevorkova A. , Jin L., Han Z. , Cohen L. B., Pieribone V. A. , Lazar J.*

**LS-14-P-3528**

**Balance and coordination training and endurance training after nerve injury: morphological characteristics of sciatic nerve and soleus muscle.**

Presenting author: **Faccioni-Heuser M. C.**

*Authors: Bonetti L. V., Schneider A. K., Barbosa S., Ilha J., Faccioni-Heuser M. C.*

**LS-14-P-5707**

**ANALYSIS OF NEURONAL ALTERATIONS ASSOCIATED TO TM4SF2 DELETION IN KNOCKOUT MOUSE**

Presenting author: **Francolini M.**

*Authors: Vezzoli E., Folci A., Murru L., Bassani S., Passafaro M., Francolini M.*

**LS-14-P-5845**

**Functional imaging on zebrafish using digital scanned light sheet microscopy**

Presenting author: **Gualda E. J.**

*Authors: Gualda E. J., Lima J., Feierstein C. E., Orger M. B.*

**LS-14-P-5866**

**Phoneutria nigriventer spider venom (PNV) disrupts cytoskeleton and induces Ca<sup>2+</sup> waves in astrocytes**

Presenting author: **Rapôso C.**

*Authors: Rapôso C., Björklund U., Cruz-Höfling M. A., Hansson E.*

**LS-14-P-5931**

**Neurotrophic and Antioxidant Effects of Silymarin Comparable to 4-Methylcatechol in Protection against Gentamicin-Induced Ototoxicity in Guinea Pigs..**

Presenting author: **Sarhan N. I.**

*Authors: Abdeen A. A., Draz E. I., Sarhan N. I., Gabr T. A.*

**LS-14-P-5980**

**Embryonic neural stem cells survival and differentiation in cerebellar grafts and in vitro; effects of Sonic Hedgehog**

Presenting author: **Ostasov P.**

*Authors: Ostasov P., Cendelin J., Tuma J., Pitule P., Houdek Z., Purkartova Z., Kralickova M.,*

**LS-14-P-6014**

**ULTRASTRUCTURE OF THE RETINA IN THE LAND SNAIL MEGALOBULIMUS ABBREVIATUS**

Presenting author: **Pereira N.**

*Authors: Pereira N., Achaval M., Zancan D.,*

**LS-14-P-6032**

**Adult neurogenesis in the brain of the weakly electric teleost *Gymnotus omarorum***

Presenting author: **Castelló M. E.**

*Authors: Olivera-Pasilio V., Lasserre M. I., Castelló M. E.*

**LS-14-P-6056**

**Measuring brain repair with atomic force microscopy**

Presenting author: **Holtzmann K. J.**

*Authors: Holtzmann K. J., Gautier H. O., Christ A. F., Franklin R., Karadottir R. T., Franze K., Guck J.*