

Abstracts Submitted by the Center for Neuroscience Research

Abstract ID	Abstract Theme	Title	First Author	Prsentation Day
Faculty				
103	Developmental and Intellectual Disabilities	Biphasic function of Sox17 in oligodendrocyte progenitor cell expansion and maturation in developing white matter	Li-Jin Chew	Wednesday, April 3, 2019
104	Developmental and Intellectual Disabilities	Sirt2 promotes oligodendrocyte maturation in white matter after neonatal hypoxia	Beata Jablonska	Wednesday, April 3, 2019
288	Psychology	Higher striatal and salience network integration underlies disinhibition in a transdiagnostic sample	Xiaozhen You	Wednesday, April 3, 2019
Post docs/Fellows/Residents				
82	Cardiology and Cardiovascular Surgery	Long-Term Effect of Hypoxia on Cortical Maturation in a Piglet Model	Camille Leonetti	Wednesday, April 3, 2019
86	Cardiology and Cardiovascular Surgery	Subplate Development in Healthy and Congenital Heart Disease Fetuses	Yao Wu	Wednesday, April 3, 2019
107	Developmental and Intellectual Disabilities	Environmental Enrichment Ameliorates Perinatal Brain Injury and Promotes Functional White Matter Recovery	Thomas Forbes	Wednesday, April 3, 2019
109	Developmental and Intellectual Disabilities	Foxp2-dependent formation of the social brain and sex-specific function in social behavior	Maria Jesus Herrero	Wednesday, April 3, 2019
110	Developmental and Intellectual Disabilities	Role of autism-linked genes in the development of corpus callosum	Ray Yueh Ku	Wednesday, April 3, 2019
111	Developmental and Intellectual Disabilities	Abnormal distribution of neocortical neurons causes focal hyperexcitability in a mouse model for Tuberous Sclerosis Complex.	Stephen Page	Wednesday, April 3, 2019
227	Neonatology	Impact of Cardiopulmonary Bypass on Postnatal Neurogenesis and Cortical Growth	Zaenab Dhari	Monday, April 1, 2019
254	Neuroscience and Neuroprotection	Perinatal Hyperoxia Impairs hippocampus maturation and function through activation of GSK3β	Joseph Abbah	Tuesday, April 2, 2019
255	Neuroscience and Neuroprotection	Uncovering mechanisms of environmental enrichment-induced recovery from perinatal hypoxia using the oligodendrocyte transcriptome	Evan Goldstein	Tuesday, April 2, 2019
257	Neuroscience and Neuroprotection	Role of Plexin-A1 in Postnatal Development of Corpus Callosum	Lataisia Jones	Tuesday, April 2, 2019
258	Neuroscience and Neuroprotection	Impaired interneuron density in the human preterm infant frontal cortex	Helene Lacaille	Tuesday, April 2, 2019
259	Neuroscience and Neuroprotection	Automatic parcellation of anatomical structures based on a high-resolution diffusion tensor imaging in the developing pig brain	Jingang Li	Tuesday, April 2, 2019
260	Neuroscience and Neuroprotection	Impact of Intra-arterial Mesenchymal Stromal Cell Delivery through Cardiopulmonary Bypass on Systemic and Brain-specific Inflammation in a Juvenile Porcine Model	Takuya Maeda	Tuesday, April 2, 2019
261	Neuroscience and Neuroprotection	Sex-Specific Differences In Intrinsic Properties Of Developmentally Defined Medial Amygdala Neuronal Sub-Populations	Heidi Matos	Tuesday, April 2, 2019
262	Neuroscience and Neuroprotection	Topographical mapping and identification of extrinsic properties of developmentally defined medial amygdala neuronal sub-populations	Heidi Matos	Tuesday, April 2, 2019
263	Neuroscience and Neuroprotection	Sox17 promotes oligodendrocyte regeneration through reciprocal Wnt and Hedgehog pathway regulation	Xiaotian Ming	Tuesday, April 2, 2019
264	Neuroscience and Neuroprotection	Monitoring and perturbing cerebellar function in behaving animals with neonatal brain injury	Aaron Sathyanesan	Tuesday, April 2, 2019
266	Neuroscience and Neuroprotection	Utilizing the Biocage as an All-In-One Culturing and Delivery System for hiNPCs	Alexander Son	Tuesday, April 2, 2019
Staff				
243	Neurology, Epilepsy and Sleep Medicine	Relationship between Language/Memory Function and Medial Temporal Lobe Activation during Language fMRI	Maria ChronEOS	Tuesday, April 2, 2019



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Abstract ID	Abstract Theme	Title	First Author	Prsentation Day
Graduate Students				
249	Neuroscience and Neuroprotection	Determining the spatial, temporal, and neuronal cell type expression pattern of hedgehog interacting protein in the visual system	Uzma Javed	Tuesday, April 2, 2019
250	Neuroscience and Neuroprotection	Determining the role of NMDARs in retinofugal map formation	Kristy Johnson	Tuesday, April 2, 2019
252	Neuroscience and Neuroprotection	Placental allopregnanolone loss alters cortical GABAergic signaling	Jiaqi O'Reilly	Tuesday, April 2, 2019
High School/Undergraduate Students				
253	Neuroscience and Neuroprotection	mGluR3 mediates Ca ²⁺ transients in astrocytes via beta-gamma subunit	Seowon Choi	Tuesday, April 2, 2019