

Poster Session: Monday, 25 September 2017 (3:45 pm - 6:00 pm)

The Brain Conference 2017: Cortex Evolution and Development

Poster board number	Surname	Name	Abstract Title	Institution
1	Barbosa	Rodrigo	Morphological Neuroplasticity of Somatosensory Cortex and its Efferents in an Animal Model of Limb Amputation	Federal University of Rio de Janeiro, Brazil
2	Blockus	Heike	Exploring the roles of SRGAP2 and Robo receptors in synaptic development and circuit function	Columbia University, USA
3 *	Buchsbaum	Isabel	Modeling periventricular heterotopia in human cerebral organoids: Identification and characterization of the new candidate causative gene ECE2	Max Planck Institute of Psychiatry, Germany
4	Bystron	Irina	The novel pathfinding mechanism in developing human cortex and retina	University of Oxford, UK
5	Cargnin	Francesca	Corpus callosum development requires FOXP1 action in cortical projection neurons	Oregon Health & Science University, USA
6	Crowe	James	Building a 3-Dimensional human iPSC-derived cortical neuronal network: You need a scaffold to build a brain	Aston University, UK
7	de Rijk	Mathijs	A comparison of parcellation methods based on functional and structural connectivity imaging of the human cortex	Maastricht University, the Netherlands
8 *	del Toro	Daniel	Regulation of cerebral cortex folding by controlling neuronal migration via FLRT adhesion molecules	Max-Planck-Institute of Neurobiology, Germany
9	Fabrizi	Lorenzo	The emergence of hierarchical processing of somatosensory input in late prematurity	University College London, UK
10	Giandomenico	Stefano	A novel regulator of cell-cell contacts and cell fate in human neurogenesis and brain evolution	MRC Laboratory of Molecular Biology, UK
11	Gjedde	Albert	Does aerobic glycolysis in cerebral cortex explain brain development in children?	University of Copenhagen, Denmark
12	Goulas	Alexandros	A common blueprint of mammalian cortical architecture	University Medical Center Hamburg-Eppendorf, Germany
13	Hall	Vanessa	Anatomical and molecular insight into the developing entorhinal cortex in a large mammalian species, the pig	University of Copenhagen, Denmark
14	Højland	Camilla	Human Pluripotent Stem Cells for Spinal Cord Repair	Aarhus University, Denmark
15	Hoops	Daniel	The roles of Netrin-1 and its receptor DCC in coordinating prefrontal cortex dopamine innervation and development during adolescence	McGill University, Canada
16	Illes	Sebastian	Rapid oscillatory local field potentials in human induced pluripotent stem cell derived 3D cortical circuits	University of Gothenburg, Sweden

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17	Jagomäe	Toomas	Abnormal neuroanatomical organization and development in the IgLON-deficient mice	Institute of Biomedicine and Translational Medicine, University of Tartu, Estonia
18	Jimenez-Barron	Laura T.	Genome-wide variant analysis of simplex autism families with an integrative clinical-bioinformatics pipeline	Max Planck Institute for Psychiatry, Germany
19	Kalebic	Nereo	ARHGAP11B induces expansion of basal radial glia in the developing ferret neocortex	Max Planck Institute of Molecular Cell Biology and Genetics, Germany
20	Kawasaki	Hiroshi	Uncovering the mechanisms of development and diseases of cortical folding using ferrets	Kanazawa University, School of Medicine, Japan
21 *	Kennedy	Henry	Cortical connectivity in a macaque model of Congenital Blindness	Inserm SBRI U1208, France
22	Khachidze	Irma	The electrical activity of Cortex In children with attention deficit hyperactivity disease (ADHD)	I. Beritashvili Centre of Experimental Biomedicine, Georgia
23	La Rosa	Chiara	Occurrence of Layer II Immature Corical Neurons in Mammals: Is there a Trend?	University of Turin, Italy
24	Lilleväli	Kersti	Evolutionarily conserved relation of Wfs1 and D1-type dopamine receptors in amniotic brain	Institute of Biomedicine and Translational Medicine, University of Tartu, Estonia
25	Liu	Yong	Characterization of the dynamic change and derivation of neural cells from the developing pig entorhinal cortex	University of Copenhagen, Denmark
26	Llorca Molina	Alfredo	Heterogenic progenitor behaviour orchestrates mammalian cortical development	King's College London, UK
27	Long	Katherine	Extracellular matrix components HAPLN1, lumican and collagen I induce in vitro folding of the developing human neocortex	Max Planck Institute of Molecular Cell Biology and Genetics, Germany
28	Martineau	Fanny	Ectopic positioning of cortical neurons impairs dendrite development, spine formation and synaptogenesis	INSERM U901, France
29	Mavrovic	Martina	Genetic ablation of the KCC2 cotransporter alters the migration of principal neurons in the developing mouse cortex	University of Helsinki, Finland
30	Mettang	Melanie	Consequences of neuron-specific NF-kappaB modulation on the outcome of traumatic brain injury	Institute of Physiological Chemistry, Germany
31	Munz	Martin	Designing a model system of activity dependent circuit formation in retinal and brain organoids derived from human induced pluripotent stem cells	Friedrich Miescher Institute for Biomedical Research (FMI), Switzerland

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32 *	Němec	Pavel	Neuronal Numbers in Avian Pallium: Implications for Evolution of Bird Intelligence	Charles University in Prague, Czech Republic
33 *	Ohtaka-Maruyama	Chiaki	Synaptic transmission from subplate neurons controls radial migration of neocortical neurons	Tokyo Metropolitan Institute of Medical Science, Japan
34 *	Picco	Noemi	From mouse to human, what can mathematical modeling tell us about cortex evolution ?	University of Oxford, UK
35	Proietti Onori	Martina	Effect of an intellectual disability (ID) candidate mutation in CAMK2G on neuronal morphology and migration	Erasmus MC, the Netherlands
36	Rani	Neha	A microRNA-mRNA Interactome in the Developing Human Brain	Indian Institute of Technology Kanpur, India
37	Rodrigues Dos Reis	Renata	CTNNB1 L388P mutation compromises Wnt/ β -catenin signalling and affects anterior development in Xenopus embryos	Federal University of Rio de Janeiro (UFRJ), Brazil
38 *	Rossier	Jean	On the role of the PeriNeuronal Net (PNN) enveloping Fast Spiking (FS) neocortical interneurons in long-term memory	Université Pierre et Marie Curie Paris 6, France
39	Sahu	Surajit	Functional consequences of altered neocortical development in a rat model with bilateral subcortical band heterotopia	INMED INSERM U901, France
40	Sessa	Alessandro	Loss of the epigenetic player SETD5 in neurodevelopmental disorders	Ospedale San Raffaele, Italy
41	Tiwari	Vijay	Identifying Novel Transcriptional Regulators of Neurogenesis	Institute of Molecular Biology (IMB), Germany
42	Tosches	Maria Antonietta	Molecular profiling of pallial neuronal types in reptiles and the origin of the neocortex	Max Planck Institute for Brain Research, Germany
43	Vaid	Samir	Identification of an OSVZ enriched in basal radial glia in mouse embryonic medial neocortex	Max Planck Institute of Molecular Cell Biology and Genetics, Germany
44 *	Wang	Xiaoqun	Primate-specific gene TMEM14B promotes cortical expansion and folding	Institute of Biophysics, China
45	Zhang	Yu	Integrative Multi-Omics Analysis of Patient iPSC-Derived Model for CHMP2B-Dependent Frontotemporal Dementia	University of Copenhagen, Denmark

* Short talk and poster presentation