POSTER LIST

P-1 | A developmental increase of inhibition promotes the emergence of hippocampal ripples.

Irina Pochinok, *University Medical Center Hamburg-Eppendorf*.

P-2 | Activity-dependent dendrite growth through formation and removal of synapses.

Lucas Euler, *Technical University of Munich.*

P-3 | Activity-dependent regulation of cell death in a caspase3 overexpression model.

Jonas Schroer, Unimedical Center University Mainz.

P-4 | Activity-dependent regulation of thalamic and cortical interneurons and microglia in the visual system.

Irene Huerga, CSIC.

P-5 | Asynchronous development of deviance detection in the mouse central auditory system.

Patricia Valerio, *Basel University*.

P-6 | Cellular Mechanisms and Spatiotemporal Properties Underlying Embryonic Retinal Waves.

Christiane Voufo, *University of California.*

P-7 | Development of Topographic Maps in Neural Field Theory with Short Time Scale Dependent Plasticity.

Nicholas Gale, *University of Cambridge.*

P-8 | Developmental increase of inhibition drives decorrelation of neural activity.

Mattia Chini, *University Medical Center Hamburg-Eppendorf.*

P-9 | Divergent patterns of spontaneous activity in distinct sensory cortices during early development.

Daniel Torres, *Instituto de Neurociencias*

P-10 | Early spontaneous activity predicts survival of developing cortical neurons.

Davide Warm, *University Medical Center of the Johannes Gutenberg.*

P-11 | Embryonic Neuronal Activity and the Formation of Recurrent Intracortical Circuits in Mouse Piriform Cortex.

David Cheng-Hao Wang, *Stanford University Depart of Biology.*

P-12 | Emergence of modular patterned activity in developing cortex through intracortical network interactions.

Gordon Smith, *University of Minnesota.*

P-13 | Experience drives the development of novel cortical sensory representations from endogenous networks.

Sigrid Trägenap, *Frankfurt Institute for Advanced Studies.*

P-14 | Gabrb3 is required for the functional integration of pyramidal neuron subtypes in the somatosensory cortex.

Camilo Ferrer, *Weill Cornell Medicine.*

P-15 | Impact of single gene mutation on circuit structure and spontaneous activity in the developing cortex.

Zhuoshi LIU, *University of Oldenburg.*

P-16 | Interplay between excitatory and GABAergic cortex-wide activity patterns across early postnatal development.

Laura Mediavilla Santos, *University of Bristol.*

P-17 | Intramodal functional plasticity in the developing somatosensory system.

Mar Aníbal-Martínez, *Universidad Miguel Hernández-CSIC*

P-18 | Investigating activity-dependent processes during cortical neuronal assembly in development and diseases.

Sara Mancinelli, *Humanitas University.*

P-19 | Lateral inhibition regulates Long Term Plasticity and functional specialization.

Patricia Rubisch, *University of Edinburgh.*

P-20 | Learning to see with closed eyes: Retinal waves tune cortical neurons before eye-opening.

Ali Alshuwaykh, *Yale University.*

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Paloma Maldonado Rojas, *Netherlands Institute for Neuroscience.*

P-22 | Neural activity is acutely depressed following hypoxia-ischemia in human neonates, even when the injury is behaviourally silent.

Kimberley Whitehead, *University College London.*

P-23 | Ocular necessities: A neuroethological perspective on vertebrate visual development.

Jasper Elan Hunt, *University of Oxford.*

P-24 | Olfactory-driven beta band entrainment of cortical-hippocampal networks during neonatal development.

Johanna Kostka, *University Medical Center Hamburg-Eppendorf.*

P-25 | Reorganization of adolescent prefrontal circuitry is required for the functional maturation of cognitive abilities.

Jastyn Anne Pöpplau, *University Medical Center Hamburg-Eppendorf.*

P-26 | Shaping Circuit Connectivity by Inhibition.

Dylan Festa, *Techinical University of Munich.*

P-27 | Spontaneous Activity in the Whisker-Innervating Region of Neonatal Mouse Trigeminal Ganglion.

Piu Banerjee, *National Institute of Genetics.*

P-28 | Spontaneous activity shares attributes of sensory evoked activity in the early developing ferret visual and auditory cortex.

Deyue Kong, *Frankfurt Institute for Advanced Studies.*

P-29 | Subplate facilitates the refinement of thalamocortical connections.

Shreya Lakhera, *Max Planck Institute for Brain Research.*

P-30| The timing of the GABA shift affects the postnatal development of inhibitory and excitatory synapses.

Corette Wierenga, *Utrecht University.*