



# 9th BigBrain Workshop - HIBALL Closing Symposium

## Monday 27 October 2025

### Poster Session (17:30 - 19:00)

time	[id] title	presenter
17:30	[63] Genomic structural equation modeling of impulsivity and risk-taking traits reveals three latent factors distinctly associated with brain structure and development	DAGHER, A.
17:30	[62] Neurodevelopmental Origins of Genetic risk of Parkinson's Disease	DAGHER, A.
17:30	[30] Laminar Architecture Encodes Link between Pruning and Cognitive Decline: a Study of Cortical Thinning	MARCAL, Tamires
17:30	[59] p-HCP, Prenatal Human Connectome Patterns: multimodal imaging of human fetal brain development at the mesoscopic scale using 11.7 T ex vivo MRI	Dr LEPRINCE, Yann
17:30	[45] Bridging Scales: Adapting RAPSODI for High-Precision Rat Brain MRI-Histology Co-Registration	WODAJO, Ebawak
17:30	[37] Feature extraction from myelin-stained histological sections of the rat brain	ESTELA DALMAU, Melina
17:30	[19] Exploring Neural Dynamics in Mental Rotation Through Time-Resolved Transcranial Magnetic Stimulation	GOYAL, Ishita
17:30	[49] Three-Dimensional Vascular Reconstruction and Centerline Extraction from 1 $\mu$ m Histological Slice Images	ZHANG, Mingli
17:30	[36] Going 3D with AI: Full 3D Reconstructions of Cytoarchitectonic Maps in BigBrain	LOTHMANN, Kimberley
17:30	[22] A 3D Reconstruction of Whole-Brain Vascular immunoreactivity	Dr ALKEMADE, Anneke GROENEWEGEN, Lysanne
17:30	[44] Fine-grained mapping of hippocampal alterations in schizophrenia and bipolar disorder using surface-based morphometry and multiscale integration	KIRSCHNER, Matthias
17:30	[25] Functional and Metabolic Network Signatures of Mitochondrial Specialization in the Human Brain	FACCA, Massimiliano
17:30	[48] Z-stack BigBrain Image Synthesis with Deep Learning for improved 3D reconstruction at 1-micron resolution	ZHANG, Mingli Dr TOUSSAINT, Paule-J
17:30	[42] THE MULTISCALE ARCHITECTURE OF THE SALIENCE NETWORK SUPPORTS A BRAIN-WIDE "SWITCH" FUNCTION	BAUTIN, Paul
17:30	[32] 3D reconstruction of BigBrain2: Expertise and new tools for the next generation of BigBrains	MOHLBERG, Hartmut
17:30	[41] State dependent shifts in large scale functional topographies	WANG, Yezhou
17:30	[40] Quantifying Cortico-subcortical Co-Maturation in the PFC: A Proposal for a Novel Developmental Metric	KIM, JiHoon
17:30	[23] Mapping Subcortical U-fibers and Long-Range Fibers in Superficial White Matter	HWANG, Youngeun
17:30	[35] Dense meta-analytical connectivity mapping of the cerebral cortex	SABERI, Amin

17:30	[11] Scalable Framework for Region-Specific Brain Network Models: Integrating Multimodal Data for Deep Brain Activity Simulation	SALINAS MEDINA, Alejandro
17:30	[33] Segment Anything for Dendrites in Electron Microscopy	ZHUO, Zewen
17:30	[29] Bridging Cellular, Circuit, and Network Mechanisms in Consciousness and Its Disorders: A Computational Framework	BRAGIN, Valery
17:30	[38] The hippocampal formation in the BigBrain: The deep-learning supported high-resolution mapping and 3D reconstruction	KEDO, Olga
17:30	[21] Divergent Cortical and Subcortical Organization of the Human Reward Network	SCHWARZE, Yana