

SESSION ONE

08:55 Opening and Welcome
Chair: **Ewan St John Smith**



09:00 Brain chart for the human lifespan,
from methods to clinical applications
Richard Bethlehem
Psychology



09:25 Mechanisms of development and age-
dependent regeneration in the brain
Sumru Bayin
Physiology, Development & Neuroscience



09:50 Opening Plenary - Neuro-glia-immune
mechanisms of neurodegeneration
Soyon Hong
University College London



10:30 Morning coffee and refreshments

Chair: **Ragnhildur Thóra Káradóttir**



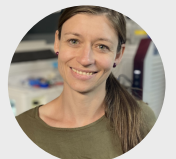
11:00 Sex-dependent control by striatal
astrocytes, mediating the development
of compulsive drug-seeking habits:
relevance for understanding of addiction
David Belin - Psychology



11:25 Neuronal plasticity at puberty in
hypothalamic neurons controlling fertility
Sue Jones - PDN



11:50 Protein Phase-Separation at the Pre-
synapse - α -Synuclein in health & disease
Janin Lautenschlager
Clinical Neurosciences



12:15 Connectome interpreter: a toolkit for
efficient connectome exploration and
hypothesis generation
Yijie Yin - PDN



12:30 Early Career Data Blitz
Chair: **Dervila Glynn**



13:00 Lunch, posters and exhibition

SESSION TWO

SESSION THREE

	Chair: Tamsin Ford
14:30	Brain Resilience: A New Lens for Early Neurodegeneration Kamen Tsvetanov Clinical Neurosciences
14:55	Exploring the therapeutical potential of Psychedelics and Empathogens to treat mental health conditions Liliano Galindo - Psychiatry
15:20	Being Alone - Social Disconnection in Adolescence Emily Towner - Psychology
15:35	The Edward Mallen Prize Steve Mallen Stacey Kigar Mirabel Pelton



16:00 Afternoon tea and refreshments

SESSION FOUR

	Chair: Alasdair Coles
16:30	Learning and Modulating Pain: Neural Control from Cells to Brain Networks Flavia Mancini Engineering
16:55	Promoting remyelination in people living with multiple sclerosis Nicholas Cunniffe Clinical Neurosciences
17:20	Homo Cyberneticus: Motor Augmentation for the Future Body Tamar Makin MRC Cognition and Brain Sciences Unit
17:45	Closing Plenary - Why Alzheimer's therapies and place cells fail to translate from mice to humans Mayank Mehta UCLA



18:25 Closing Remarks and prizes, followed by dinner