

09:00

PLENARY 1 – PROFESSOR MADELEINE LOWERY
Next Generation Deep brain stimulation for Parkinson's disease: Modelling, Neural Dynamics and Closed-loop Control

09:50

S1: From Bench to Breakthrough: Translating Neurodegeneration Research into Treatment

S2: Neural Organoids

S3: From Circuits to Clinic: Causal Mechanisms in Mental Health

S4: Building interdisciplinary project teams

S5: TBC

11:30

BREAK / SILENT SYMPOSIUM 1 / POSTER PREVIEW

12:05

PLENARY 2 – PROFESSOR EMILY SENA, PROFESSOR RICHARD BETHLEHEM AND PROFESSOR SERGIO DELLA SALA
Desert Island Papers

12:50

LUNCH / SILENT SYMPOSIUM 2

CAREERS ZONE

13:50

POSTERS – SESSION 1

WiN UK – Whose brain counts?

15:20

S6: The Future for Diagnosis of Neurodegenerative Diseases

S7: From Signal to Evidence: Teaching experimental rigour, reproducibility and scientific reasoning through hands-on neuroscience

S8: The UK Consortium for Preclinical Psychiatry Research (UK CPPR) – how can we address key challenges for preclinical neuroscience research?

S9: Better Together: Strengthening Partnerships Between CROs and Publicly Funded Researchers

S10: TBC

17:05

PLENARY 3 – PROFESSOR HENNE HOLSTEGE
Decoding natural resilience against cognitive decline: what can we learn from cognitively healthy centenarians?

18:00

SATELLITE SESSION – MILTENYI BIOTECH

19:30

SOCIAL EVENING – THE NORTHERN WHIG

Combining historic 19th-century charm with a stylish, modern vibe, award-winning cocktails, delicious local bites, and the perfect atmosphere to continue first day Festival conversations with fellow attendees.

09:00

PLENARY 4 – PROFESSOR DIANE LIPSCOMBE
Forms and Functions of Calcium Ion Channels in Health and Disease

09:50

S11: TBC

S12: Advances in preclinical development of therapies in Parkinson's disease

S13: Function and Failure of Astrocytes in Brain Physiology

S14: The anxious mind: an intersection of cognition, computation and translation

S15: TBC

11:30

BREAK / SILENT SYMPOSIUM 3 / POSTER PREVIEW

12:05

PLENARY 5 – PANEL
Do GLP-1 receptor agonists alleviate neurodegenerative disease?

12:50

LUNCH /
SILENT SYMPOSIUM 4

CAREERS ZONE

BNA Annual General Meeting

13:50

POSTERS – SESSION 2

15:20

S16: Industry Session – Roche Diagnostics

S17: Convergent synaptic mechanisms across Fragile X, 15q duplication, and neurodevelopmental disorders

S18: Emerging genomic programmes shaping BBB function in neurodegeneration and psychiatric disease

S19: Integrating Environment, Technology and Metadata to Enhance Animal Welfare and Research Quality

S20: Higher cortical functions in non human primates

17:05

PLENARY 6 – PROFESSOR MATTHEW RUSHWORTH
Mechanisms for learning and inference in prefrontal cortex and hippocampus

18:00

SATELLITE SESSION – ROCHE DIAGNOSTICS

19:30

GALA DINNER – TITANIC MUSEUM

Enjoy an unforgettable evening of fine dining, entertainment and networking in one of Belfast's most iconic venues. Celebrate BNA2027 in style, surrounded by fellow delegates, colleagues and friends.

09:00

PLENARY 7 – PROFESSOR MOOTAZ SALMAN

Defining mechanisms of bloodbrain barrier dysfunction in neurodegenerative diseases using advanced humanised in vitro models

09:50

S21: New Technologies and Emerging Insights in Neuropathology of Neurodegenerative Disease

S22: The NeuroAI frontier: balancing innovation, ethics and policy

S23: Women's Brain Health

S24: TBC

S25: Cortico-cerebellar systems

11:30

BREAK / SILENT SYMPOSIUM 5 / POSTER PREVIEW

12:00

POSTERS – SESSION 3

CAREERS ZONE

LUNCH

14:00

S26: Neural determinants of sarcopenia

S27: TBC

S28: TBC

S29: Credibility in Neuroscience

S30: Building Healthy Brains: Nutritional Influences on Neuroendocrine Development, Function and Lifelong Health

15:45

PLENARY 8 – PROFESSOR MATTEO CARANDINI

The odds of a decision

16:30

CLOSING WORDS

Professor Julie Williams