PROGRAMME AT A GLANCE

9:00 – 9:30: REGISTRATION

9:30 – 11:00: MEMORY, LEARNING, AND HABIT FORMATION: FROM BRAIN TO BEHAVIOUR (KNOWLEDGE EXCHANGE)

- **Cliona O’Doherty**: Hierarchical correspondence between deep neural networks and emerging representations in the infant ventral visual stream.
- **Harvey McCone**: Static and dynamic decision bound adjustments during continuous monitoring for sensory targets.
- **Andrea Muñoz Zamora**: Cold sensitive memory engrams control whole-body metabolism.
- **Dr. Márcia Aranha**: Contextual control of habituation.
- **Dr. Sharon Chi Tak Lee**: Bringing Precision in Psychiatry (PIP) online: a large-scale internet-based investigation of self-report and cognitive predictors of response to depression treatment.
- **Anna Marie Rosická**: Modifiable dementia risk factors associated with objective and subjective cognition.

11:00 – 11:45: COFFEE BREAK & POSTER SESSION

11:45 – 13:00: EMERGING INVESTIGATORS SESSION (TERCENTENARY HALL)

- **Dr. Anna Truzzi**: Intrinsic timescales in the infant brain: Origins and longitudinal development.
- **Dr. Giovanni Di Liberto**: Investigating auditory cognition with natural speech and music.
- **Dr. Roisin McMackin**: Measuring the mind – Harnessing EEG to examine cognitive network impairment.
- **Dr. Nengwei Hu**: Age and activity dependent Aβ-τau interactions.
- **Dr. Claire Howlin**: Designing scientific research to examine creative processes: striking the balance between creative approaches, scientific rigour, and inclusivity.
13:00 – 14:00: LUNCH BREAK & POSTER SESSION

14:00 – 15:30: NEUROINFLAMMATION AND BRAIN HEALTH (KNOWLEDGE EXCHANGE)

- **Dr. Gloria Vegliante**: Human TBI-generated tau leads to cognitive dysfunction and widespread tau pathology in wild-type but not tau knockout mice by intracerebral inoculation.
- **Ellie Noone**: Loss of Bmal1 in myeloid cells accelerates age-related migration of immune cells to the outer retina.
- **Adina MacMahon Copas**: Peripheral immune cells induce reactive astrocyte phenotype in human iPSC-derived astrocytes.
- **Janeen Laabei**: NOX2-mediated regulation of microglial NLRP3 inflammasome in Traumatic Brain Injury.
- **Matthew McAuslan**: β2-adrenergic agonist formoterol attenuates LPS-driven cognitive impairment in the delayed non-match to position task in male Wistar rats.
- **Dr. Clare Kelly**: What Neuroscientists Can Do About the Climate Emergency.

15:30 – 16:00: COFFEE BREAK & POSTER SESSION

16:00 – 17:00: PLENARY TALK (TERCENTENARY HALL)

**Prof. Mani Ramaswami**: Biological condensates in the brain: their roles in health and neurodegeneration.

17:00 – 18:30: WINE RECEPOTION (KNOWLEDGE EXCHANGE)

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