



Physiology@100: Past, Present & Future Symposium 2022 **Thursday 1st September – Edmund Burke Theatre**

08.45-09.15	Registration and coffee
09.15-09.30	Opening remarks Dr. Linda Doyle, Provost, Trinity College Dublin Prof. Mark Cunningham, Head of Discipline of Physiology, Trinity College Dublin

Session 1: Cell Physiology & Bioengineering

Chair – Prof. Maeve Caldwell

09.30 – 10.00	Professor Ciaran Murphy-Royal (Université de Montréal, Canada) “Glial regulation of neuronal circuits and behaviour”
10.00 - 10.30	Prof. Eric Farrell (Erasmus MC, Rotterdam, Netherlands) “Endochondral ossification in tissue engineering and regenerative medicine”
10.30 - 10.50	Dr Sarah McComish (TCD) “Harnessing stem cell technology to investigate neurodegenerative diseases”
10.50 - 11.00	Tea/Coffee View Exhibition/Posters
(Chair – TBC)	Panel discussion (with audience) - Historical Reminiscences of Physiology
11.00 - 11.50	Panel members – Dr. Pat Hartigan, Dr. Linde Lunney, Prof. Aine Kelly, Prof Alan Tuffrey, Prof Christopher Torrens.

Session 2: Exercise Physiology & Biomechanics

Chair – Prof. Aine Kelly

12.00 - 12.30	Dr Simon Green (Western Sydney University, Australia) “A Physiologist in a Clinical World”
12.30 - 12.50	Dr Stuart Warmington “One journey: from the physiology of muscle to the physiology of exercise”
12.50 - 13.20	Prof Clive Lee (RCSI, Ireland) “With apologies to JFK...”
13.20 – 13.40	Dr Norita Gildea (TCD) “Exercise intolerance in type 2 diabetes and the role of aerobic exercise training”
13.40 – 14.40	Lunch View Exhibition/Posters



Session 3: Drug Development and Pathophysiology

Chair – Dr Eric Downer

14.40 - 15.10

Dr Jack Prenderville (Transpharmation, Ireland)

“Advancing preclinical models to accelerate the discovery of novel psychedelic therapeutics”

15.10 – 15.40

Professor Saoirse O’Sullivan (Artelo Biosciences, UK)

“Physiology, Pharmacology and Pharmaceutics”

15.40 – 16.00

Ms Melody Cui Sun (TCD)

“Investigating Cannabinoid-Based Therapeutics in Multiple Sclerosis”

16.00 -16.20

Tea/Coffee

View Exhibition/Posters

Session 4: Neuroscience/Neurophysiology

Chair – Prof. Alice Witney

16.20 – 16.50

Prof Ciaran Bolger (Beaumont Hospital, Dublin)

“The eyes are the windows to the soul”

16.50 – 17.20

Prof Denise Manahan-Vaughan (Ruhr University Bochum, Germany)

“Physiological mechanisms underlying memory and cognition”

17.20 – 17.40

Dr Tamara Boto (TCD)

“Assessing the effects of dopamine in neural activity and behaviour: a fly perspective”

17.40 – 18.40

Paton Prize Lecture – The Physiological Society (Chair – Dr Mikel Egana)

Dr David Miller (University of Glasgow)

“Sydney Ringer (1835-1910): the History of Searching for a Solution”

18.40 – 18.50

Concluding remarks

Closing Drinks Reception – Trinity Dining Hall