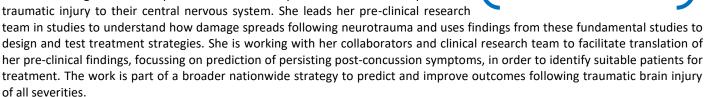
Professor Melinda Fitzgerald

BSc Hons., PhD **Professor of Neurotrauma**

Research specialisation: Neurotrauma, understanding pathology, testing therapies

Experience: Melinda Fitzgerald is Professor of Neurotrauma and the Leader of the Australian Mission for Traumatic Brain Injury, a Medical Research Future Fund initiative providing \$50 million in Federal Government funding over 10 years. She is Deputy Director of the Curtin Health Innovation Research Institute, Curtin University, and jointly appointed by the Perron Institute for Neurological and Translational Science.

Her research goal is to improve outcomes for patients who have experienced



Research overview: Prof Fitzgerald has published over 80 scientific papers, including in discipline leading journals such as J Neuroscience, Nature Nano, ACS Nano, and Biomaterials. She is regularly invited to speak at national and international scientific meetings and has been awarded \$8.4 million in funding to support her research. She is a Handling Editor for the Journal of Neurochemistry, the Australian representative for the Asia Pacific Regional Committee for IBRO and serves on grant review panels and scientific advisory committees.

Research publications: Halstrom, A., MacDonald, E., Neil, C., Arendts, G., Fatovich, D. and Fitzgerald, M. (2017) Elevation of Oxidative Stress Indicators in Plasma Following Traumatic Brain Injury. J Clin Neurosci. 35: 104-108

Yates, N.J, Lydiard, S., Fehily, B., Bartlett, C.A. and Fitzgerald, M. Repeated Mild Traumatic Brain Injury in Female Rats Increases Lipid Peroxidation in Neurons (2017) Experimental Brain Research. 235(7), 2133-2149.

Giacci, M.K., Bartlett, C.A., Smith, N.M., Iyer, K.S., Jiang, H., Guagliardo, P., Kilburn, M.R., and Fitzgerald, M. (2018)

Oligodendroglia are particularly vulnerable to oxidative damage after neurotrauma in vivo. J Neurosci 38 (29): 6491-6504

Smith, N.M., Giacci, M.K., Gough, A., Bailey, C., McGonigle, T., Black, A.M.B, Clarke, T.O., Bartlett, C.A., Iyer, K.S., Dunlop, S.A., Fitzgerald, M. (2018) Inflammation and blood brain barrier breach remote from the primary injury following neurotrauma J Neuroinflammation 15(1): 201

Ho, D., Norret, M., Nguyen, M., Vedere, J-P., Jiang, H., Munshi, A., Blythe, A.J., Saunders, M., Archer, M., Fitzgerald, M., Keelan, J.A., Bond, C.S., Hurley, L.H., Kilburn, M.*, Smith, N.M.*, and Iyer, K.S.* (2018) Intracellular speciation of gold nanorods alter the conformational dynamics of genomic DNA *Nature Nano* 13(12):1148-1153

Mao, Y., Black, A.M.B., Milbourn, H.R., Krakonja, S., Nesbit, M., Bartlett, C.A., Fehily, B., Takechi, R., Yates, N.J. and Fitzgerald, M. (2018) The effects of a combination of ion channel inhibitors in female rats following repeated mild traumatic brain injury International Journal of Molecular Sciences 19(11). pii: E3408. doi: 10.3390/ijms19113408

Fehily, B., Bartlett, C.A., Lydiard, S., Archer, M., Milbourn, H., Majimbi, M., Hemmi, J.M., Dunlop, S.A., Yates, N.J. and Fitzgerald, M. (2019) Differential responses to increasing numbers of mild traumatic brain injury in a rodent closed head injury model. In Press J Neurochemistry







Melinda Fitzgerald (PhD)

Professor of Neurotrauma Deputy Director, Curtin Health Innovation Research Institute,

Curtin University and the Perron Institute for Neurological and Translational Science Australia

M: + 61 08 6457 0514 E: lindy.fitzgerald@curtin.edu.au

