



Professor John Carroll, Director Monash Biomedicine Discovery Institute, Monash University, Melbourne, Australia

Professor John Carroll works on how the oocyte makes a successful transition into a healthy viable embryo. His laboratory uses live cell imaging, cell biology and genetic approaches to investigate the cell cycle, polarity and metabolism of the oocyte and early embryo. John is currently investigating the molecular mechanisms that cause the decrease in oocyte quality that occurs as women reach their mid-late 30s. This manifests in a decrease in fertility and an increase in early embryo loss and miscarriage; the vast majority of which is due to chromosome anomalies in the oocyte. John spent most of his academic career at UCL where he was Director of Division of Biosciences before moving to Monash University where he is now Director of the Monash Biomedicine Discovery Institute and Dean of Biomedical and Psychological Sciences. John now chairs the Athena SWAN Self Assessment Team for Monash University.