

Staff Bios

Dr. Tamer Hussein, PhD. CEO/Scientific Director, MScMed, HCLD/ELD



Dr. Tamer Hussein is the founder and Director of Reprogene. He earned his PhD from **Adelaide University Australia** and has extensive experience in a clinical and research setting. Dr. Hussein's PhD work in oocyte maturation and embryo production in-vitro, was preceded by a Masters degree from The **University of Sydney** in reproductive health science and human genetics. He earned his undergraduate work in molecular biology and genetics.

Dr. Hussein was involved in establishing and managing preimplantation genetic diagnosis laboratories where he trained many scientists in embryo biopsy and genetic testing by Fluorescent In Situ Hybridization (FISH) and Molecular Array Technology. Dr. Hussein's primary focus is on conducting clinical research on investigating and examining the influence of all chromosomal abnormalities, via comparative genomic hybridization (CGH), in human

reproduction. He is dedicated to discover new non-invasive technologies including developing new PGD techniques for embryo selection for measuring developmental potential of the oocyte and embryo health. Dr. Hussein believes that the use of Microarray Technology (CGH-24) for comprehensive analysis of all chromosome and genetic diseases will allow for better embryo selection to increase the likelihood of implantation, reduce the chance of miscarriage, and improve the chance of giving birth to a healthy baby. In addition, Dr. Hussein focuses on blastocyst biopsies to minimize embryo damage during biopsy, and to obtain more precise results for the genetic background of the embryo.

Dr. Hussein's numerous peer-reviewed publications in reproductive biology and embryology have been published in respected scientific journals. He has presented at several national and international conferences and has been awarded a number of scientific prizes including MLA new scientist award and USA merit award.

Dr. Hussein is board certified as High Complexity Laboratory Director (HCLD) and Embryology Laboratory Director (ELD) by the American Board of Bioanalysis (ABB). He is member of the American Society of Reproductive Medicine, American Association of Bioanalysts, Pre-implantation Genetic Diagnosis International Society and Society for Reproductive Biology.



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