

ICM Research Seminar

Wednesday 7th February

Amy Mawdesley

(Dr Alison Tyson-Capper, Prof John Kirby, Dr Helen Lawrence)

Bioengineering: stratifying the immune response to biomaterials

Joint replacements containing metals often fail due to adverse reaction to metal debris (ARMD). Cobalt is a major component of these prosthetic joints and can initiate an immune response via activation of Toll-like receptor 4 (TLR4). This research involves specifically targeting the pathways believed to be involved in ARMD in efforts to prevent cobalt-mediated TLR4 activation and subsequent inflammatory response.

Azman Bin Abdul Rahim

(Prof Chris Seal, Prof Georg Lietz, Dr Edward Okello)

EFFECT OF ABSCISIC ACID ON GLUCOSE TOLERANCE AND COGNITION

Abscisic acid (ABA) is a plant hormone but is expressed in several human organs and tissues/cells including astrocytes, granulocytes, monocytes and pancreatic cells. This seminar discovers the influence of ABA towards glucose tolerance and cognition which led to developing targeted therapies to improve cognitive performance in older people and prevent cognitive decline through the life course.

Chair: Rodrigo Figueiredo

Dental Lecture Theatre F, Medical School

1pm - 2pm