

RESEARCH INTERESTS

Cell Culture
Inflammation
Foreign Body Response
Cell Fusion
Macrophages

Osteoclasts
Biomaterials
Polymers
Hydrogels

Semi-Interpenetrating Polymer
Networks
Implant-Related Bacterial
Infections

PROFESSIONAL QUALIFICATIONS

BSc in Biomedical Science, National University of Ireland, Maynooth, Ireland

RESEARCH SUMMARY

Aisling O' Carroll obtained her BSc in Biomedical Science (1st Class Hons) from National University of Ireland, Maynooth, Ireland. She received a Special Research Scholarship and began her PhD studies in the area of medical devices in October 2013. Her research involves the development of a biomaterial with improved biocompatibility to modulate the Foreign Body Response. Her work involves biomaterial synthesis and characterisation, biocompatibility testing and bacterial adherence and biofilm formation studies. Aisling is a PhD representative on the Gender Equality to Enable Scientific Excellence (GEESE) Group committee and she is the 1st Year Representative on the Postgraduate Student and Staff Consultative Committee (PGSSCC). Aisling is a STEM Ambassador, member of European Society of Biomaterials (ESB) and the Institute of Biomedical Science (IBMS).