



PROFESSOR SHAUN GREGORY

DIRECTOR, QUT CENTRE FOR BIOMEDICAL TECHNOLOGIES

Prof Gregory is the Director of the QUT Centre for Biomedical Technologies, Co-Director of the Artificial Heart Frontiers Program, Founder and Director of the Heart Hackathon student team competition, Director of the CardioRespiratory Engineering and Technology Laboratory, and immediate Past-President of the International Society for Mechanical Circulatory Support. He holds both NHMRC and Heart Foundation fellowships.

Prof Gregory has bachelors, masters and PhD degrees in medical engineering from Queensland University of Technology (QUT). Following completion of his PhD, he undertook a postdoctoral fellowship at The University of Queensland, where he directed the Innovative Cardiovascular Engineering and Technology Laboratory (ICETLAB) from 2013–2017. In parallel to his ICETLAB Directorship, Shaun was a Principal Research Fellow at the Critical Care Research Group and the founding CTO of De Motu Cordis Pty Ltd. In 2018, Shaun moved to Monash University, where he was promoted to Associate Professor and Deputy Head of the Department of Mechanical and Aerospace Engineering before returning to QUT.

Working at the interface of engineering and medicine, Prof Gregory brings together multidisciplinary teams to develop innovative solutions for clinically relevant problems. He applies a translational approach to cardiovascular engineering, with a particular focus on ventricular assist devices, extracorporeal life support (ECLS/ECMO), artificial hearts and other advanced circulatory support technologies. His research has influenced clinical practice, supported the regulatory approval of medical devices, attracted more than \$65 million in competitive research funding, and resulted in over 100 peer-reviewed publications. Through his work in developing and translating next-generation cardiovascular technologies, Prof Gregory continues to make significant contributions to the future of mechanical circulatory support and innovation in advanced cardiac care.