



**Dr Jonathan Mynard**, Research Fellow, Murdoch Childrens Research Institute

Dr Mynard is a research fellow in the Heart Research group, Murdoch Childrens Research Institute and an honorary fellow with the University of Melbourne and Royal Children's Hospital, Melbourne. After studying medical biophysics and electronic engineering, he earned a Masters degree from Swansea University (UK) and PhD from University of Melbourne, then completed postdoctoral work at University of Toronto. He has made major contributions to recent discussions on conceptual and analytical models arterial haemodynamics, including wave intensity analysis and the reservoir-wave paradigm. He proposed the new concept of wave potential, which led to a fundamental advancement of wave separation analysis.