Hypertension is the world’s leading risk factor for disease. It strongly correlates with adverse outcomes such as heart disease, stroke and kidney failure. The challenges of managing and preventing the development of hypertension are increasing as it is predicted that 60% of the population by 2025 will be hypertensive. Greater understanding of the mechanisms causing increased blood pressure, and identification of new therapies to prevent hypertensive tissue injury are pivotal in meeting this challenge.

Research Projects

1. The path to hypertension and cardiovascular disease has its origins in early life. Current work is directed at identifying prognostic indicators of disease and developing intervention strategies in the very young.

2. Women prior to menopause are protected against hypertension and cardiovascular disease. Ongoing research focuses on understanding sex-difference in the regulation of blood pressure. Novel treatments to prevent post-menopausal hypertension are being examined.

3. Our work also examines the efficacy and safety of renal artery denervation, an emerging treatment for hypertension.

Selected significant publications:


