Elizabeth Jones

Dr. Jones' expertise lies in the study of vascular remodelling and vascular adaptation. She began her career studying blood fluid dynamics and the process of mechanotransduction. She did her thesis in embryonic blood fluid dynamics, her post doc in the genetic regulation of arterial-venous differentiation by flow dynamics. She continues to study mechanotransduction, specifically being interested in the interaction of tissue stiffness and shear stress. Though her career started in fundamental vascular biology, she has since also focused on microvascular maladaptation in disease. More specifically, she now works extensively on microvascular involvement in the development of diastolic heart failure. She studies how microvascular (mal)adaptation and endothelial cell activation contribute to the development of diastolic heart failure.