MONASH University

2026 MIPS Seminar Program

3 Sep 2026 | 12:00 to 1:00 pm | LT3

HARNESSING THE VASCULATURE TO PROMOTE BRAIN HEALTH

Professor Anne Christine Eichmann



Professor Anne Christine Eichmann is the Ensign Professor of Medicine (Internal Medicine–Cardiology) at Yale University and a leading international authority in vascular biology. Trained across Europe and Israel, she holds degrees in Veterinary Medicine, Molecular and Cell Biology, and a Habilitation à Diriger des Recherches. Her career spans INSERM, CNRS, Harvard Medical School, Kyoto University, and the University of Helsinki, reflecting a longstanding commitment to uncovering the mechanisms that govern vascular development and disease.

Her laboratory investigates how endothelial cells form, pattern, and maintain blood and lymphatic vessels, with major implications for cardiovascular disease, cancer, diabetes, and tissue ischemia. As her biographical sketch notes, “more than 80 diseases are associated with dysfunctional vessels,” underscoring the broad clinical relevance of her work. She has made seminal contributions to angiogenesis, identifying endothelial tip and stalk cell behaviours, VEGF–Notch signalling dynamics, and mechanisms of vascular sprouting. Her team has also defined molecular pathways guiding capillary patterning, lymphatic vessel maturation, and arteriovenous malformation formation in hereditary haemorrhagic telangiectasia.

Professor Eichmann’s scientific leadership includes service on the NIH Cardiovascular Development and Differentiation Study Section, the French National Cancer Institute Scientific Advisory Board, and the European Research Council. Her work continues to shape modern vascular biology, advancing fundamental understanding while opening therapeutic avenues for diseases driven by vascular dysfunction.