

# ARMI SPECIAL SPEAKER

# 2019



**10** YEARS  
2009-19

## Defining the tissue resident vascular stem cell niche

Dr Jatin Patel

University of Queensland Diamantina Institute

### Bio

Dr Jatin Patel is the Lab Head for the Vascular Regeneration Group at The University of Queensland Diamantina Institute. He is currently ARC DECRA fellow and has previously held a prestigious fellowship from the National Heart Foundation of Australia. His research focusses on defining the vascular resident stem cell pool during homeostasis and disease using murine and human model systems. The research from his team has led to ground breaking research, with the discovery of an Endovascular Progenitor (EVP) that governs an endothelial hierarchy and drives *de novo* neovascularisation in the adult circulatory system, independent of angiogenesis mechanisms. This work over the years has been published in high impact journals such as Circulation, Nature Communications, Cell Reports and Stem Cells. His discoveries have also led to three patents being filed that are now being developed into a commercial vascular stem cell therapy product to treat peripheral vascular disease.

### EVENT DETAILS

**DATE:**

Monday, 8<sup>th</sup> July

**TIME:**

10:00am

**VENUE:**

G19  
Ground Floor  
15 Innovation Walk  
Monash University  
Clayton Campus



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