

ARMI SPECIAL SEMINAR

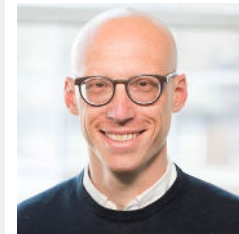
2022



MONASH
University



ARMI
AUSTRALIAN REGENERATIVE
MEDICINE INSTITUTE



Stem cell based heart repair – a pharmacological perspective

Dr. Florian Weinberger

Abstract

Heart regeneration addresses a central problem in cardiovascular medicine, the irreversible loss of myocardium after injury. True restoration of heart function can only be achieved by the replacement of lost myocardium by new, force-developing heart muscle. One option to remuscularize the injured heart is to transplant stem cell-derived cardiomyocytes, either by injection or by the application as an engineered patch. The seminar will cover our work on this approach, particularly focusing on pharmacological aspects, e.g. the mode of action. It will also discuss ideas how to translate this strategy to a clinical use.

Bio

Florian Weinberger is a group leader at the Department of Experimental Pharmacology and Toxicology. He graduated from Hamburg Medical School and received his training at the Charité, Berlin, the University Medical Center Hamburg-Eppendorf and the University of Washington, Seattle. His research focuses on cardiac regeneration. He is particularly interested in i) the development and translation of stem cell-based tissue engineered therapeutics, ii) the application of genetically engineered cardiomyocytes to study and improve cell transplantation and iii) the application of human tissue models to study cardiac physiology and disease in a dish.

EVENT DETAILS

DATE:

December 07, 2022

TIME:

10.00 - 11.00a.m.

VENUE:

G19, 15 Innovation Walk

Zoom:

<https://monash.zoom.us/j/83800483992?pwd=MzNsWm9peWpkWUxnbjBNa3JNQzNEQT09>

Password: 087212

HOST:

Peter Currie



@ARMI_Labs



/AustralianRegenerativeMedicineInstitute



/australian-regenerative-medicine-institute



@regener8au



MONASH
University



ARMI
AUSTRALIAN REGENERATIVE
MEDICINE INSTITUTE

The Australian Regenerative Medicine Institute (ARMI) acknowledges the generous support of Monash University and the Victorian State Government.