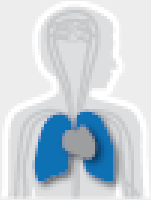
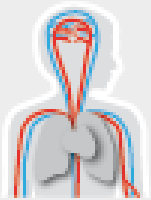


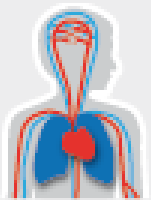
Heart Failure & Arrhythmias



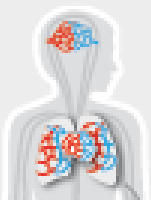
Pulmonary Hypertension  
& Thrombosis



Atherosclerosis  
& Ischemic Syndromes



Diabetes & Metabolism



Microcirculation

# Focus of research group (I)

Name PI: dr. M. Louis Handoko

Department, UMC: Cardiology

Size of research group:

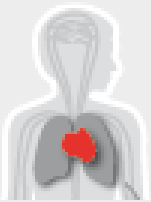
PI

2 PhD-fellows

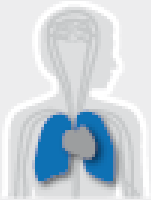
3 research nurses

## **Current mission, vision and aims**

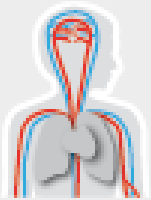
Improve diagnosis and therapy in heart failure with preserved ejection fraction by better understanding of the underlying pathophysiology



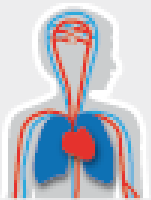
Heart Failure & Arrhythmias



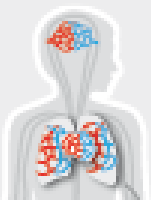
Pulmonary Hypertension  
& Thrombosis



Atherosclerosis  
& Ischemic Syndromes



Diabetes & Metabolism



Microcirculation

# Focus of research group (II)

## Current expertise

Heart failure, in particular HFpEF

Pulmonary hypertension

Hemodynamics, cardiac physiology

Exercise echocardiography, exercise right heart catheterisation

Clinical trials

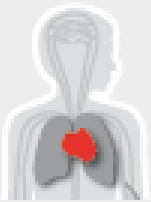
## Current funding

E.Dekker stipendium (Senior Clinical Scientist)

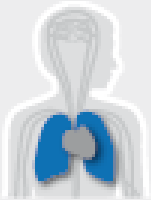
CVON Early HFpEF

scholarship Novartis, Boehringer Ingelheim

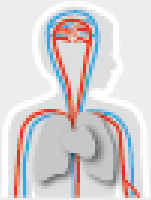
commercial studies (Novartis, Boehringer Ingelheim, Corvia)



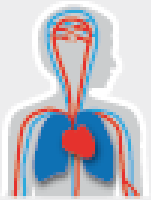
Heart Failure & Arrhythmias



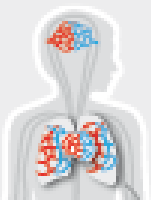
Pulmonary Hypertension  
& Thrombosis



Atherosclerosis  
& Ischemic Syndromes



Diabetes & Metabolism



Microcirculation

# Future plans

## Short term (1-2 year) plan

Plan:

DoPING-HFPEF: phase II RCT trimetazidine in HFpEF

IRON-HFpEF: phase II RCT ferric carboxymaltose in HFpEF

GGA-HFpEF: phase II RCT with GGA in HFpEF

Necessary infrastructure:

Exercise right heart catheterisation;  $^{31}\text{P}$ -MR spectroscopy / cardiac MRI; Echocardiography; dyspnea/HFpEF outpatient clinic

## Long term (>2 year) plan

Plan: transition from phase II to phase III RCT

Necessary infrastructure:

Clinical trial unit; (inter)national network of HFpEF-centers

## Collaboration in ACS

Department of Pulmonology, Radiology & Nuclear Medicine, Internal Medicine (Endocrinology, Geriatrics, Rheumatology), Physiology