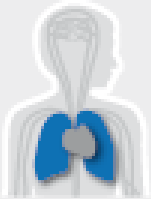
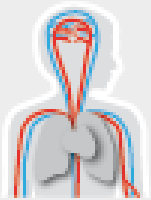


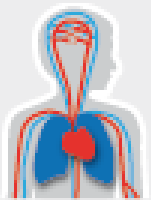
Heart Failure & Arrhythmias



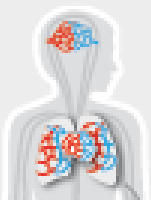
Pulmonary Hypertension  
& Thrombosis



Atherosclerosis  
& Ischemic Syndromes



Diabetes & Metabolism



Microcirculation

# Focus of research group (I)

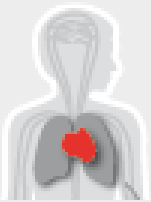
Name PI: Femke Rutters, PhD

Department, UMC: Epidemiology and Biostatistics, VUMC

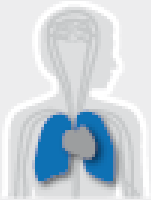
Size of research group: 7 PhDs, 6 research nurses and 3 data managers

## **Current aim**

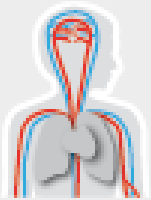
To gain knowledge on the role of psychosocial factors and adherent medication in the development and progression of obesity and diabetes, using epidemiological studies and intervention studies in humans.



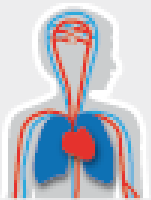
Heart Failure & Arrhythmias



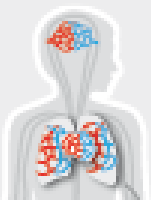
Pulmonary Hypertension  
& Thrombosis



Atherosclerosis  
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Diabetes & Metabolism



Microcirculation

# Focus of research group (II)

## Current expertise

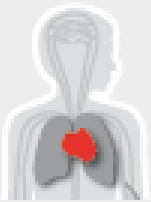
Epidemiology- Interventions  
Sleep, stress and social jetlag  
Obesity- Type 2 Diabetes  
Human

## Current funding

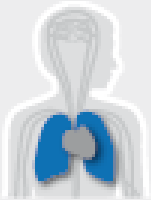
EU IMI → Discovery of Biomarkers for development and progression of T2D, using multi-omics

Diabetes fund Netherlands/ZonMw → Establish the role of insomnia in T2D: epidemiology and RCT

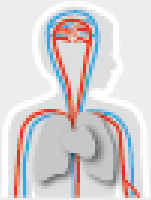
EFSD → Validation and implementation of Computerized Adaptive Testing for measuring patient reported outcomes in people with diabetes in diabetes care



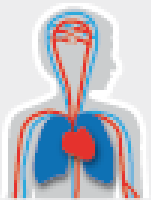
Heart Failure & Arrhythmias



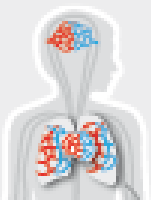
Pulmonary Hypertension  
& Thrombosis



Atherosclerosis  
& Ischemic Syndromes



Diabetes & Metabolism



Microcirculation

# Future plans

## Short term (1-2 year) plan

Plan: consortium on stress and diabetes

## Long term (>2 year) plan

Plan: interventions

Necessary infrastructure:

Follow up cohorts

Research support cohorts

## Collaboration in ACS

New Hoorn Study follow up

Biobank