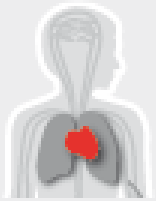
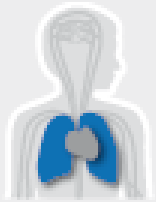
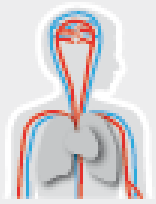


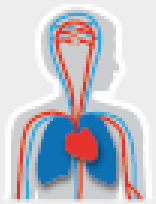
Heart Failure & Arrhythmias



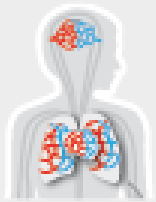
Pulmonary Hypertension & Thrombosis



Atherosclerosis & Ischemic Syndromes



Diabetes & Metabolism



Microcirculation

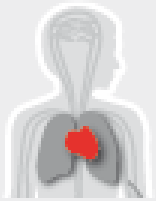
Focus of research group (I)

Name PI: Femke Rutters, PhD

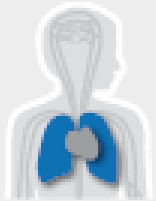
Department, UMC: Epidemiology and Data Science, VUMC

Size of research group: 7 PhD students

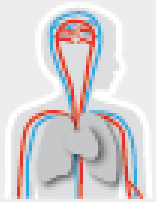
Current mission, vision and aims
To gain knowledge on the role of sleep, stress and circadian misalignment in the development and progression of obesity and diabetes, using epidemiological studies and intervention studies in humans.



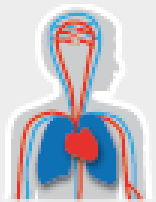
Heart Failure & Arrhythmias



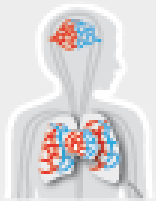
Pulmonary Hypertension & Thrombosis



Atherosclerosis & Ischemic Syndromes



Diabetes & Metabolism



Microcirculation

Focus of research group (II)

Current expertise

Epidemiology- Interventions

Sleep, stress and circadian misalignment

Obesity- Type 2 Diabetes

Human

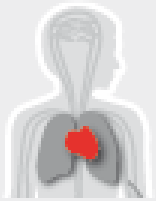
Current funding

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

Diabetes fund Netherlands → senior fellowship on irregular sleep and insulin sensitivity



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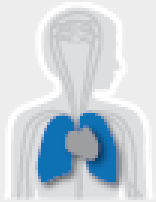

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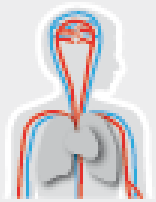

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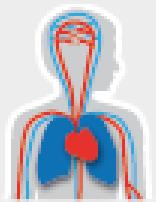
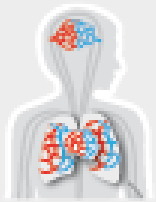


Diabetes & Metabolism



Microcirculation

Future plans

Short term (1-2 year) plan
Plan: consortium on circadian misalignment and diabetes

Long term (>2 year) plan
Plan: NWA on stress/fatigue and diabetes

Necessary infrastructure:
Follow up cohorts
Research support cohorts

Collaboration in ACS
Adding measurements to general population follow up visit
Use of data and Biobanks of general population and diabetes cohorts