





Focus of research group (I)

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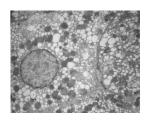
Size of research group: **3 PhD students**

Current mission, vision and aims

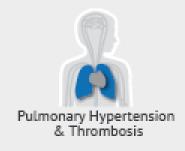
- 1) First <u>clinic for non-alcoholic fatty liver disease</u> (NAFLD) @ internal medicine in NL
- Bridge between diabetology and hepatology
- Early identification, pre-HCC and cirrhosis
- 2) ANCHOR Amsterdam NAFLD-NASH cohort
- 1100 patients Identify biomarkers to predict progressors to NASH and those who remain in simple steatosis
- Validation of fibroscan elastography
- 3) Genetic defects of lipophagy
- Autophagy of lipid droplets protection against lipotoxicity
- New pathways and treatment targets for NAFLD













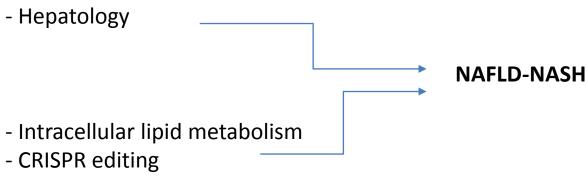




Focus of research group (II)

Current expertise

- Endocrinology, lipidology, genetics, metabolic diseases



Current funding

- iHeps

-	Veni						250 k
-	LITMUS consortium					400 k	
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AMC Innovation grant metabolic fluxes 500 k

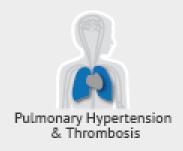
- AG&M Institute Innovation grant iHeps 50 k

Finalist 3/8 for ACS PhD scholarship















Short term (1-2 year) plan

Plan:

Develop outpatient clinic, expand ANCHOR cohort Identify new NASH pathways and treatment targets via lipophagy

Future plans

Necessary infrastructure:

- Outpatient clinic Fibroscan
- Expand awareness and network for case finding ANCHOR cohort
- iHeps @ Tytgat Institute
- Intracellular work @ EVG and biochemistry

Long term (>2 year) plan

Plan:

New insights from ANCHOR cohort – systems biology NALFD in Helius Involvement in implicating first NAFLD drugs in patient care

Necessary infrastructure:

Participating centers in ANCHOR cohort

Collaboration in ACS

Vascular Medicine: Nieuwdorp, Groen, Hovingh, Groen, Serne

Biochemistry: Zelcer

Hepatology: Beuers, Takkenberg, Ramsoekh