



Heart Failure & Arrhythmias



Pulmonary Hypertension & Thrombosis



Atherosclerosis & Ischemic Syndromes



Diabetes & Metabolism



Microcirculation

# Interventional Cardiac MRI & Advanced Electrophysiology

*- WHAT YOU SEE IS WHAT YOU GET; NO INSIGHT: UNPREDICATBLE OUTCOMES -*

PI **iCMR**: Marco Götte

PI **Advanced EP**: Cor Allaart

Dept. Cardiology, AUMC – VUMC

**RESEARCH GROUP:** 2 PI's          1 Physicist  
3 Post-docs      2 MR techs  
2 Fellows      2 Cath.lab techs  
4 PhDs



## **MISSION**

To translate EP procedures from X-ray into a fully integrated MRI guided process.

## **VISION**

In 2023 AUMC will be a top-leading iCMR center, sharing unique expertise and knowledge to cure more patients from their electropathology than today. iCMR helps people to stay fit and healthy.

## **DELIVERABLES**

- Precise, non-ionization, non-invasive, 3D diagnostics for electropathology
- Personalized, specific, therapy-stratification
- Accurate peri-procedural guidance and precise, real-time feedback on interventions
- Predictable clinical outcomes and improved therapeutic success



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## Expertise:



- **Funding:** AUMC-VUMC Dept. Cardiology
  - 2 PhD
  - MR-compatible equipment
  - Tremendous efforts of multiple co-workers

Based on preliminary results several grant applications in preparation

# Future plans

