

HeAT – Health and Assistive Technology laboratory

“Welcome to HeAT: a network of health technology professionals and a testbed environment that provide expert research services for health technology products.”

Location: Tampere University, Hervanta Campus & Kauppi Campus
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Photos:
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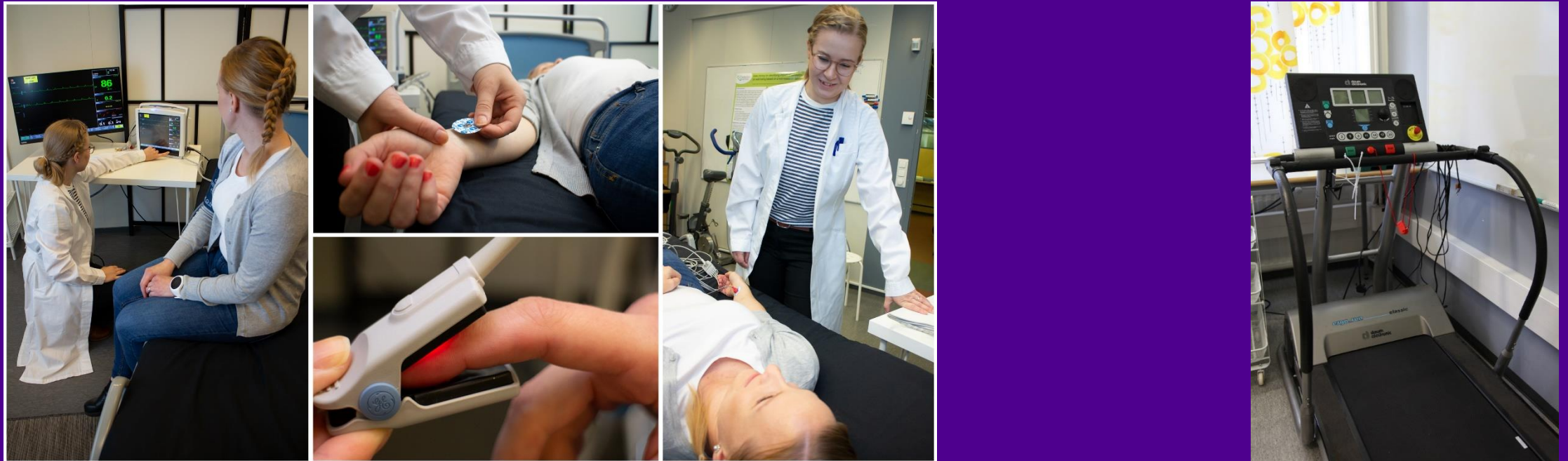


How to proof that your product is ready to enter the market?

How to create future innovations that could change the world?

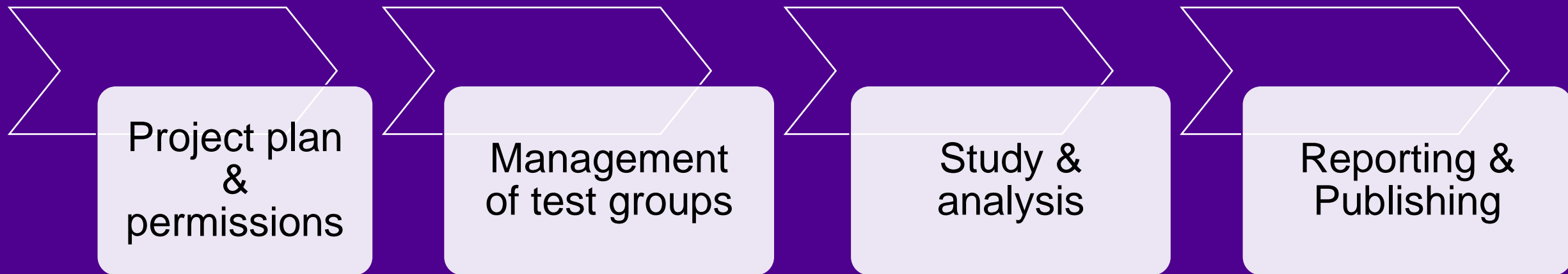
Our services are tailored to your needs

We provide service packages from very small projects to clinical studies and long-term innovation collaboration.



“First contact is dealt without delays and the right collaboration partner is found from the HeAT lab network.”

We can provide it all: plan, execute, and analyze your project. Or we can innovate and work together with you!



HeAT networks with many research groups in Tampere University community and Tampere University Hospital



HeAT core groups:

- Mark van Gils - Decision Support for Health
- Antti Vehkaoja - Sensor Technology and Biomeasurements
- Jari Viik - Physiological Measurement Systems and Methods
- Jari Hyttinen - Computational Biophysics and Imaging Group

Examples of services

- Testing a company product against a reference devices or testing the effect of an intervention
 - With healthy participants or with patients in collaboration with TaUH
- Testing against medical device standard (not an accredited lab)
 - E.g. ECG standards, EMC standard, SpO₂ standard
- Evaluation of an existing device desing
- Development of full embedded prototype systems including algorithm and software development
- Renting the facilities and equipment



Examples of references and interventions



Biopac MP160 Research System

- 7 wireless modules for different physiological measurements (ECG, EEG, EMG, EOG, NICO, RSP, PPG and EDA)



NOX A1

- Ambulatory polysomnography system



Finapres Nova

- Continuous non-invasive blood pressure

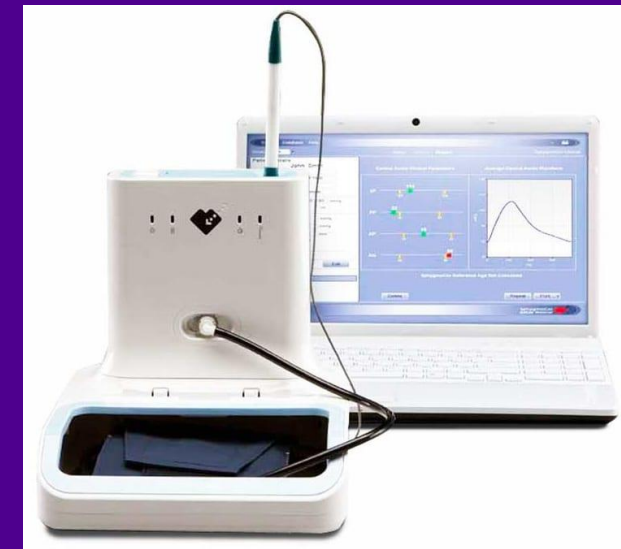
Hypoxico Everest Summit

- SpO₂ intervention
- High-grade reference devices



Types of collaboration

- Contract research
- Joint public funded research projects e.g. Business Finland, EU Horizon
- Thesis projects
- Smaller student projects
- Participation in activities of Growth from Health and Wellbeing project



Future events for companies

- 15.6. at 10-13, GHW workshop on company needs for collaboration with universities, including service presentations
- Fall 2023, training day for companies
- 30.11. MET research day and industrial afternoon

- Also, if you are from Pirkanmaa and would have need for tailored *de minimis* –supported service, please contact!

Thank you!

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