

Master's Thesis project: Nanometrology for measurements of extracellular vesicles

- METVES II project – “Standardisation of concentration measurements of extracellular vesicles (EVs) for medical diagnoses.” More information: www.metves.eu
- The topic of the M.Sc. Thesis will be combination of cell biology (UH, EV group and core) and nanometrology (VTT MIKES). The aim of the project is to estimate the measurement uncertainty for EV analytical methods using biological EV samples and novel reference materials developed in the EU consortium.
- Your background can be in biology, pharmacy, measurement science etc. We expect:
- **Eagerness** to learn new things and develop your competences in the field of EV measurements (nano flow cytometry & nanoparticle tracking analysis) and metrology
- **Interest to testing measurement uncertainty** and understanding & developing of EV measurement techniques
- Ability to **critically analyze and interpret the results of your work**
- **Rigorous and diligent attitude** to research & working

- The duration of the Master's thesis work period is 6 months, start e.g. spring 2022 or as soon as possible
- A fee will be paid instead of an employment contract
- The candidate must pass security clearance
- More information virpi.korpelainen@vtt.fi and pia.siljander@helsinki.fi
- <https://cris.vtt.fi/en/persons/virpi-korpelainen>
- www2.helsinki.fi/en/researchgroups/extracellular-vesicles

