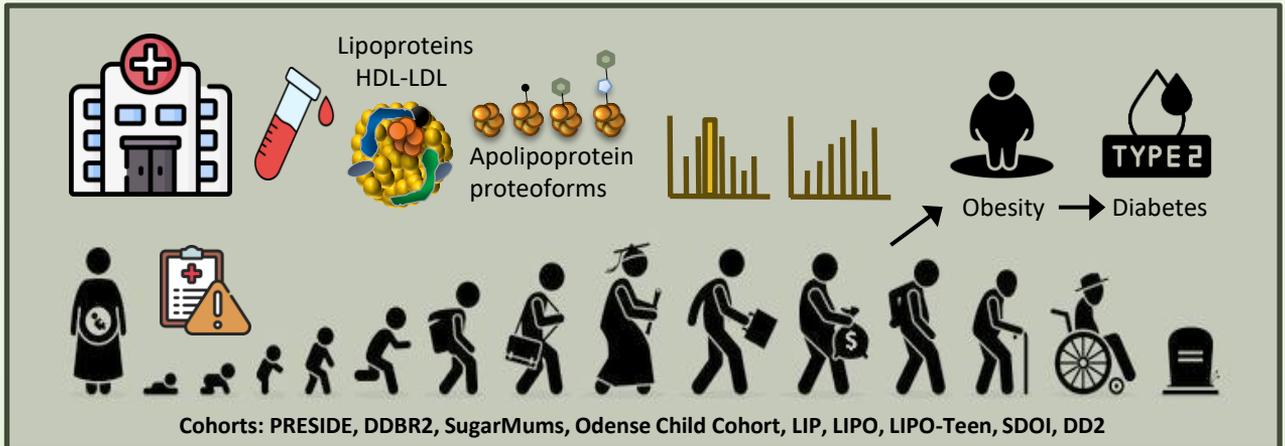


BIO-POD group - biomarkers in pregnancy obesity and diabetes



Group leader: Martin Overgaard, Head of Research,
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Key topics : Clinical Biochemistry - Biobanks - Blood & Tissue sampling -
Molecular Diagnostics - Proteomics - Immunoassays - Bioinformatics -
Cardiometabolic Risk Markers - ML/AI-based prediction models

Research objectives

- Improve patient care by developing and implementing blood-based risk markers for clinical routine in collaboration with medical experts
- Develop bioanalytical workflows using targeted MS-proteomics

Computational projects

- Risk engine for predicting GDM and adverse pregnancy outcomes
- Retrospective study of preeclampsia biomarkers
- Analysis of omics data in R

Experimental projects

- Multi-omics analysis of blood vessels in placenta and umbilical cord from pregnant women with gestational diabetes
- Cardiometabolic risk marker profiling in large POD cohorts
- Menstrual blood as a sampling source for diagnostics of endometriosis
- Build targeted proteomics workflows



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