AIT Austrian Institute of Technology
PM01, PM02, PM03, PM04, PM06, PM13, PM17

Offering: Bioinformatics, Omics-technologies

Looking for: Clinicians, Research partners, SMEs

Project ideas: PM03, PM17

Contact: stephan.pabinger@ait.ac.at

AIT Biomarker / Bioinformatics Expertise

Molecular Data

- Genomics
- Epigenomics
- Transcriptomics
- Immunomics (Auto-AB)
- Proteomics

Domain knowledge
- NGS
- Chips
- HT-qPCR
- Luminex
- ....

Disease / model characterization

Whole genome analysis
Data integration

- Meta-analysis

- Gene Set Enrichment

- Regulatory networks

- Hypothesis generation

Biostatistics / Diagnostics

Feature Selection and Classification under
- Operating Conditions (cost structures)
- On longitudinal data

Integrative data analysis

Software development

Algorithm design and development

Other available expertise: assay development, biosensors, systems integration

Projects – PM03 & PM06

Project Request

PM-03-2017 - Diagnostic characterization of rare diseases

Project
Build on existing project – elucidation of rare diseases

Expertise
- Data analysis
- Bioinformatics
- Software suites
- Clinical data integration

Wanted
- Partners with large patient cohorts
- Clinicians
- Research centers

Project Offer

PM-06-2016 - Vaccine for neglected infectious diseases

Project
West Nile Virus, RVF or Hanta virus

Wanted
- Institution for In-Vivo Animal Testing
- Institution for Vaccine Production
- Institution for Human Vaccine Testing

Existing Partners (preliminary)
- AIT (AUT)
- Protobios (LOI) (EST)
- University Nottingham (LOI) (GBR)
- Brigham & Women's Hospital (LOI) (USA)
- Harvard Medical School
- Antibodybcn (LOI) (ESP)
- Steinbeis-Europe (DEU)

CONTACT

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Molecular Diagnostics

Health and Environment

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