

DeTectT2D

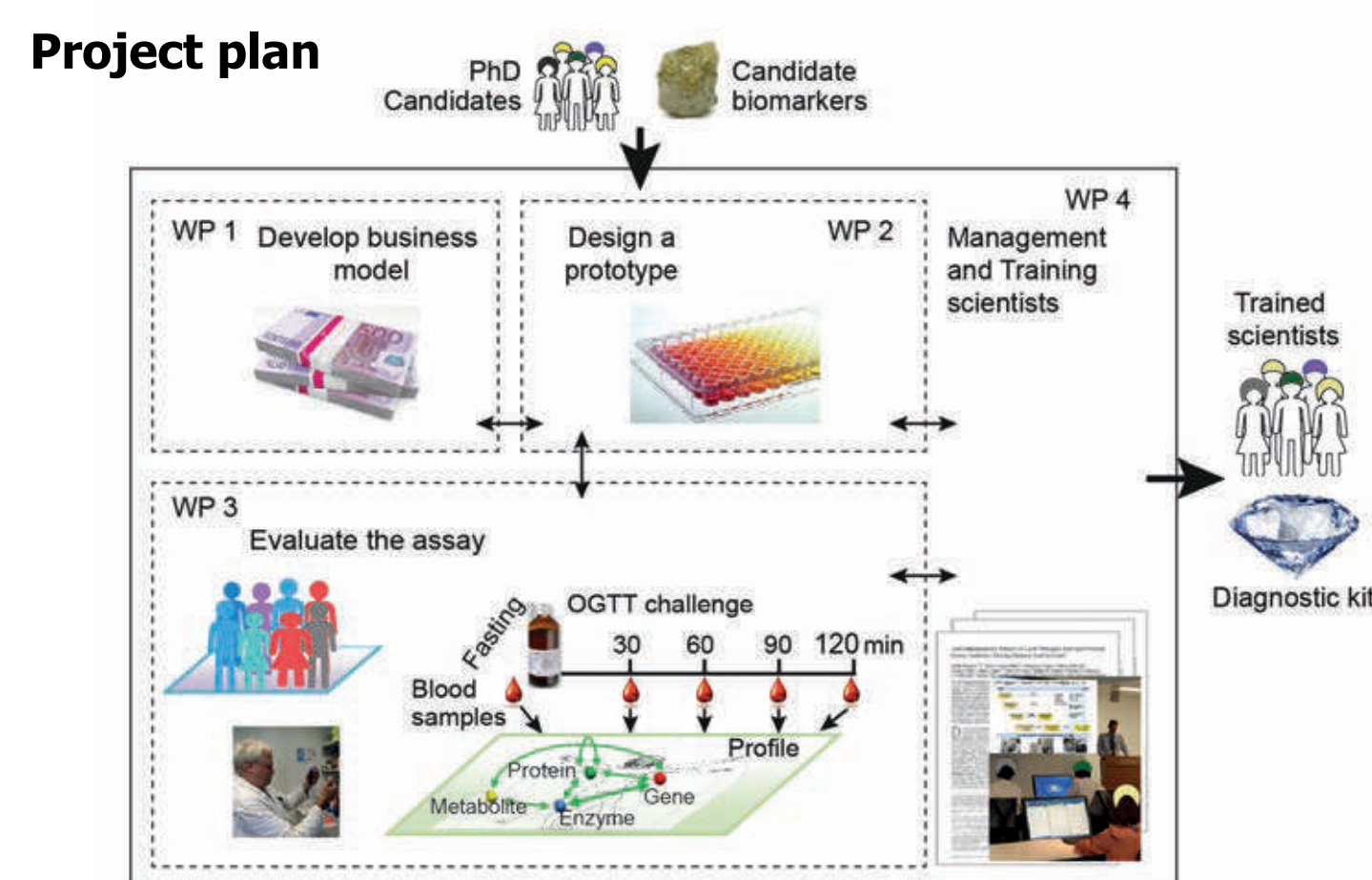
Early intervention / prevention / altering disease course trajectories

Project Type: Innovation by Ideas
Societal challenges: Improve healthcare

The project in a nutshell

The central goals of the DeTectT2D are to develop a diagnostic assay for the detection of impaired glucose tolerance (IGT) and type 2 diabetes (T2D) individuals to train young researchers in translational implementation. Our specific aims are:

- 1) definition of candidate biomarkers and development of algorithms to detect early T2D
- 2) design of a prototype for clinical application
- 3) evaluation and optimization of the prototype.



The DeTectT2D project will be built upon four interrelated work packages (WPs). The developed business model (WP1) will be incorporating the design of the prototype (WP2); and the diagnostic kit will be evaluated in clinical and case-control samples (WP3). In all these processes, the 6 doctoral students will be involved. The DeTectT2D is coordinated by the WP4.

Who benefits? Prediabetic individuals. A third up to a half of the adult population above age 50 may be in prediabetic state. The detection of IGT is essential as the development of T2D in prediabetic individuals can be prevented or delayed by dietary changes and increased physical activity.

Where are you today and what is next?

The list of our candidate biomarkers is based on our patent and was extended by statistical analysis of available data within the consortium. 6 students have been successfully recruited and career development plans for each student have been implemented.



Further development of algorithms to detect prediabetic individuals, and evaluation of the prototype with newly measured clinical and cohort blood samples, of individuals who underwent OGTT. Further interdisciplinary training of the 6 PhD students

Project Leader



Other Partners



We are looking for new Partners / Expertise

Yes. Fasting blood samples of people who underwent OGTT are highly desired!



If you wish to collaborate with this project, scan the QR code and connect with it