Virtual Patient Avatar

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The VPA is a digital coach that holds medical data in a secure way and makes predictions of disease progression and secondary risks, but also provides lifestyle suggestions that will improve quality of live (QoL) and reduce the chances of diseases and conditions that lead to a lowering of the QoL and social activities.
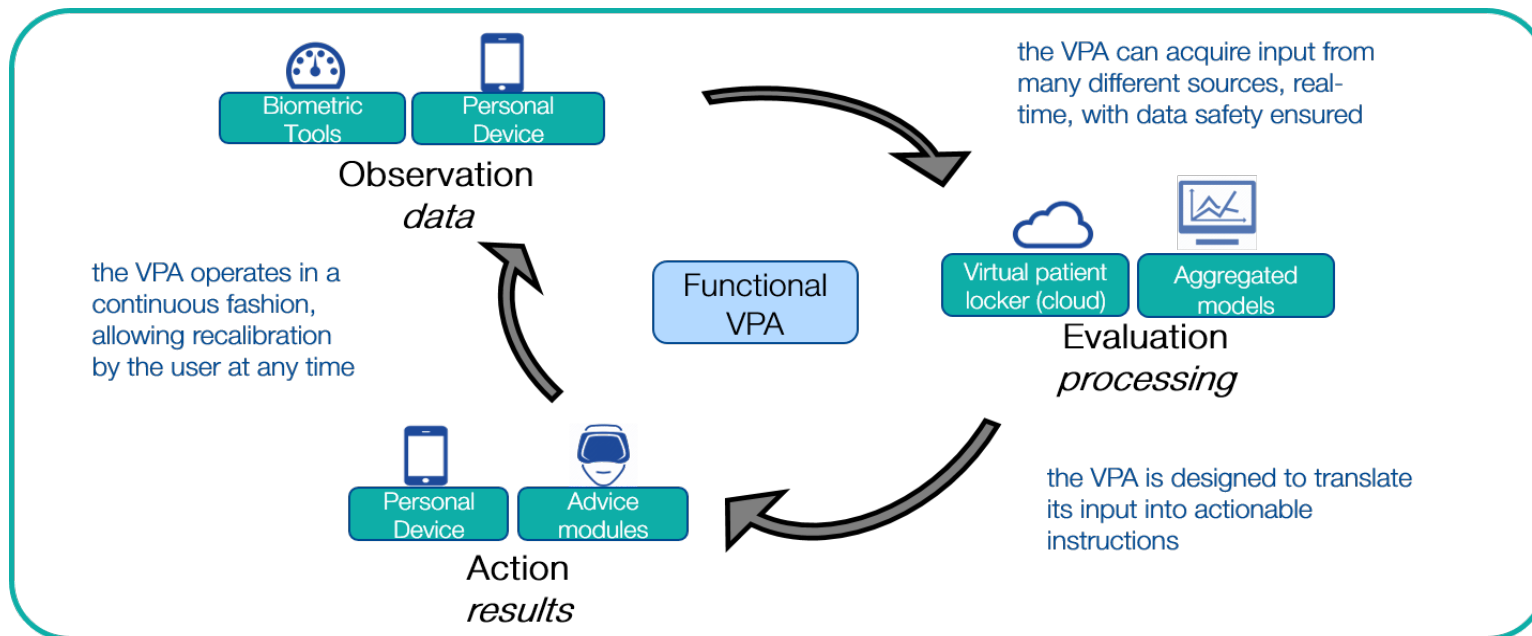
Who We Are

Our specific expertise:

◊ Distributed learning
◊ Deep learning applications
◊ Semantic web technology
◊ Transformation of patient data into clinical tools
◊ Translational medicine and subsequent entrepreneurial activities
◊ Ethics involved with personal medical data ownership and utilization
◊ *In silico* simulation of cancer

Project idea

Essential elements of the project are:

◊ Real-time acquisition of biometric data using non-invasive biosensor technology and smart phone.

◊ Privacy preserving health data and privacy preserving data mining with distributed learning.

◊ A large catalogue of standardized externally validated and TRIPOD compliant predictive models.

◊ Guidance modules that propose lifestyle change.

◊ Automatic estimation of user health status by state of the art emotional computing.

◊ Virtual reality is used to simulate available intervention and prevention options.

Reimbursed by healthcare insurers...

...To empower cancer patients.

Looking for

Complementary elements to our expertise:

◊ Real-time acquisition of biometric data using non-invasive biosensor technology and smart phone.

◊ Standardized externally validated (and TRIPOD compliant) predictive models.

◊ Guidance modules that propose lifestyle change.

◊ End-user advocacy groups.

◊ SME with complementary data acquisition technologies.

◊ (SME with) market access.

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