

VTT Technologies for future Health

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VTT Technical Research Centre of Finland is a globally networked multitechnological research organization. VTT provides high-end technology solutions and innovation services for our customers' competitiveness, thereby creating prerequisites for society's sustainable development, employment, and wellbeing.

In the Technologies for Health innovation programme we develop new technologies for personalized health and wellbeing. The focus is on combining VTT expertise in ICT, biotechnology and diagnostics for future health care users and providers and new technology platforms for the health care industry. Special attention is being paid to predictive markers, novel diagnostics, health and disease management, and new business opportunities. Furthermore, measureable health properties of foods to promote personal health and wellbeing, is an area of active work.

By integrating and modelling health data from different sources (imaging, biomarkers, clinical data, and health monitoring), a better understanding of the disease state at the personal level can be generated. New biosensor technologies are being developed for future molecular diagnostics at point-of-care settings and at home. VTT technologies can be used for follow-up and support of healthy behaviour at individual level including disease management in daily life.