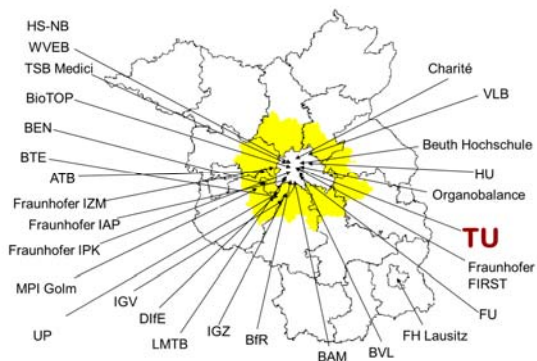


Participating Institutions



University Partners

Beuth Hochschule – University of Applied Sciences Berlin
Charité – Universitätsmedizin Berlin
FH Lausitz – Lausitz University of Applied Sciences
FU – Freie Universität Berlin
HS-NB – Hochschule Neubrandenburg
HU – Humboldt Universität zu Berlin
TU – Technische Universität Berlin
UP – University of Potsdam

Non-university Research Partners

BAM – Federal Institute for Materials Research and Testing
BfR – Federal Institute for Risk Assessment
Fraunhofer Gesellschaft:
– FIRST – Fraunhofer Institute for Computer Architecture and Software Technology
– Fh IAP – Fraunhofer Institute for Applied Polymer Research
– Fh IPK – Fraunhofer Institute for Production Systems and Design Technology
– Fh IZM – Fraunhofer Institute for Reliability and Microintegration
IGV – Institut für Getreideverarbeitung GmbH
Leibniz Association:
– ATB – Leibniz Institute of Agricultural Engineering
– DIfE – German Institute of Human Nutrition
– IGZ – Leibniz Institute of Vegetable and Ornamental Crops
LMTB – Laser- und Medizin-Technologie GmbH, Berlin
MPI Golm - Max Planck Institute of Molecular Plant Physiology

Non-governmental Organisations

BEN – Brandenburg Food Network
BioTOP Berlin Brandenburg
BTE – Branchentransferstelle Ernährungswirtschaft
TSB medici
VLB – Research and Teaching Institute for Brewing in Berlin
WVEB – Association of the Food Industry in Berlin and Brandenburg

and other industrial partners

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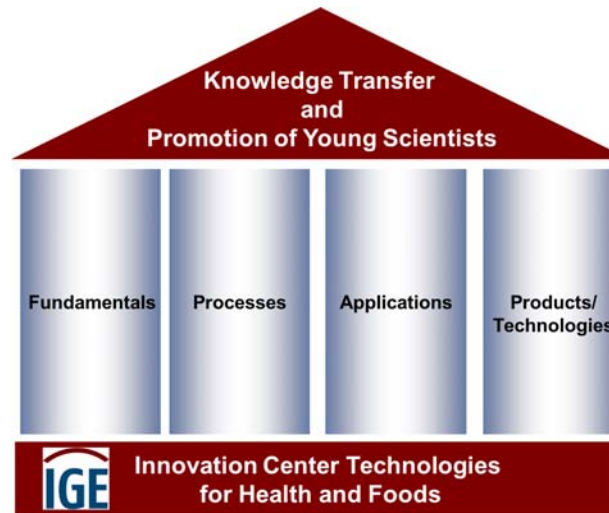
Vision

Health and nutrition are among the socially relevant future-oriented areas of scientific specialisation which the TU Berlin sharpening its profile defined as a strategic strong focal point.

In the *Innovation Center Technologies for Health and Foods* its members work conjointly at innovative solutions to various research areas of the future-oriented fields health and nutrition. Numerous research institutes of the Technische Universität Berlin and their cooperation partners work on interdisciplinary projects. Here they contribute their technological competences and develop comprehensive approaches as trendsetting answers to current social challenges and demands.

Thereby it is focused on the benefit and gain of the human being: Progress in the medical technology for prevention, diagnosis, therapy, and rehabilitation, research and investigation of food ingredients and proof of their health promoting effects as well as systematic manufacturing of preventive foods is the aim of the activities.

Programmes



Programmes of the Innovation Center Technologies for Health and Foods.

Objectives

- Generation of innovative interdisciplinary dimensioned fields of research
- Conjoint realisation of research and development projects with scientific and industrial partners
- Pooling of competences and resources in the fields of life sciences, food science, biotechnology, health technology and health economy to achieve synergy effects
- Development of the region Berlin-Brandenburg to a model region for nutrition, health and preventive foods

Research Areas (exemplary)

- Development and miniaturisation of novel sensors and monitoring systems
- Design, testing and assessment of orthopaedic, therapeutic and prophylactic devices for rehabilitation
- Economic analyses and evaluation, financing and payment of innovative health technologies
- Development and establishment of innovative assays, quality controls, process analyses
- Manufacturing and processing of medical products and instruments (manufacturing processes, surfaces requirements)
- Identification of food ingredients with preventive effects
- Application of nutritionally valuable primary and secondary plant ingredients and food ingredients of microbial origin
- Analysis of connections along the value chain ranging from biosynthesis to processing to consumption
- Elucidation of molecular mechanisms regarding bioavailability and bioactivity
- Development of tailor-made preventive foods