UNIVERSITY | TECHMED OF TWENTE. | CENTRE

THE SHAPING A TECHMED HEALTHY EVENT FUTURE

14.45-16.00 | PIONEERS IN HEALTHCARE TALKS



PIONEERS IN HEALTHCARE INNOVATION FUND

UNIVERSITY OF TWENTE.















Technical solutions to overcome limitations in the current health care, or new medical applications of existing technology, that is what Pioneers in Healthcare is all about.









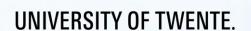




The strength of regional collaboration: 1+1=3

















PIHC: Voucher program

- Projects with at least 1 researcher from UT or Saxion and 1 clinician from MST, ZGT or DZ.
- Each year: 11 vouchers of €60.000,-
 - Technological pioneering in healthcare voucher
 - Applying technology in healthcare voucher
- Seed funding: will our idea work?















Impact on healthcare: faster introduction of technological innovation

- Technological pioneering
 - (further) development of new technology for a clinical challenge

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Photoacoustic ImagingPhotoacoustic Computed Tomography Smartphone-based technology Hand-held device 24/7 intervention app Localized Surface Plasmon Resonance Point-of-care blood analysis Patient phenotyping Electro-mechanical resynchronization therapyPatient-tailored technology Transcranial doppler Automated sleep staging tool Robotics E-health Therapeutic drug monitoring Gamification EEG Automated sleep staging tool Robotics E-health Therapeutic drug monitoring Gamification EEG Pain diagnostic technology Magnetic Resonance Imaging Wireless sensors

Telemedicine Automated sleep staging tool Robotics E-health Therapeutic drug monitoring Gamification EEG Portable technology Sensor technology Magnetic Resonance Imaging Wireless sensors

Telemedicine Automated Spectroscopy Wireless Sensors Trailored rehabilitation program Adaptive rebreathing technology Self-management Infrared imaging technology

Alarm System Low-coherence Spectroscopy Elealth Overnight pulseoximetry Automated evaluation of motor development Non-invasive technology

Value based health care Intracerebral pressure measurements Point-of-care monitoring Antibody therapy
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- Applying technology
 - existing technology to be used for a new application







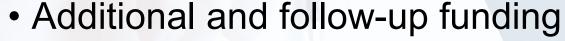






The strength of regional collaboration

- Ca. 90% of project partners still collaborate
 - Consortia extended with new partners, often SMEs



- New research lines at universities, in collaboration with hospitals and SMEs
- Valorisation
 - Prototypes, spin-off companies, patent applications
- Implementation
 - Ca 80% are working on clinical testing or implementation of new technology.
 Patients are involved at all steps in this process

























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