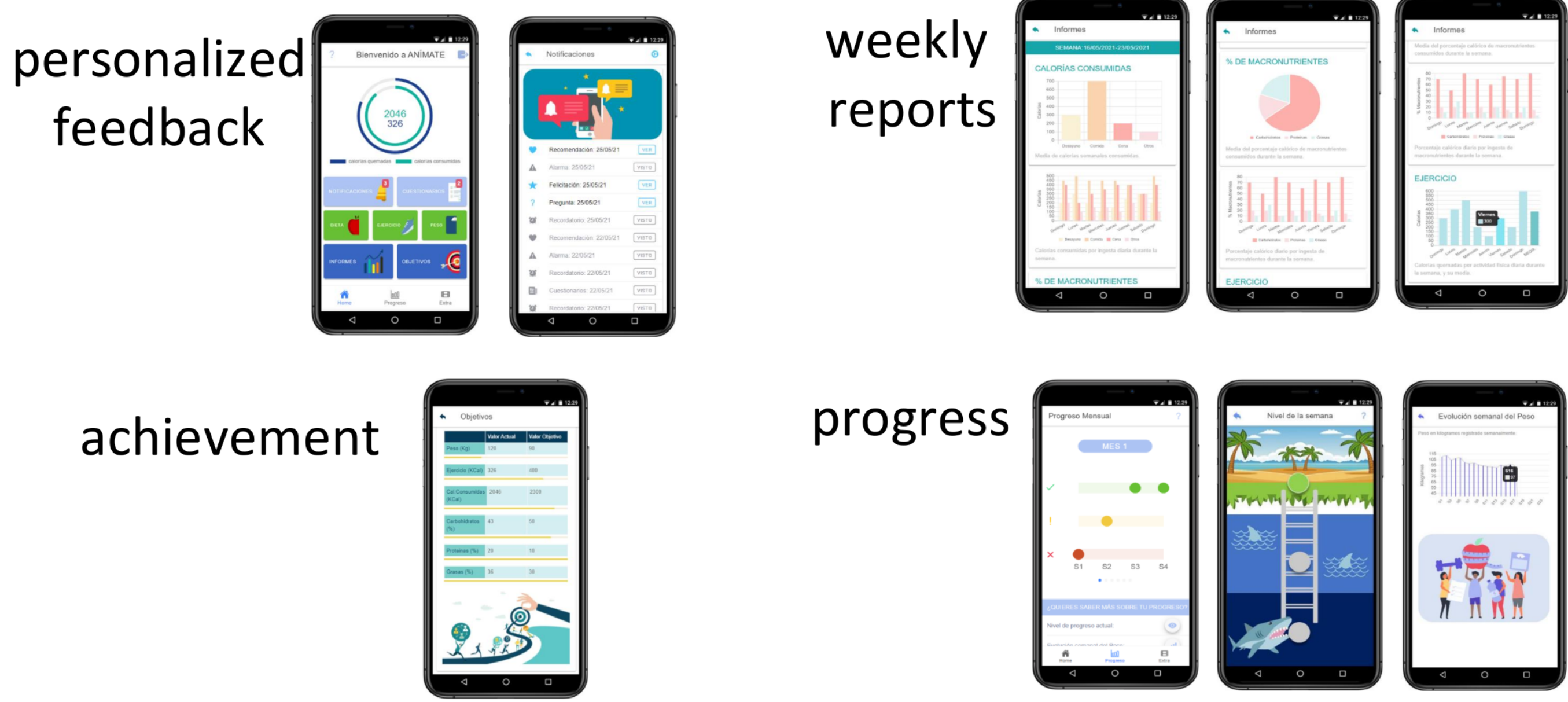


Adherence to treatment in endocrinologic diseases

ANÍMATE: CIBER-BBN early stage 2020-2022 with CB06/01/0009
mHealth platform for personalized motivation



ALEVINT: Colaboración CIBERESP-BBN with CNE and CB06/01/0009
mHealth data in epidemiological studies

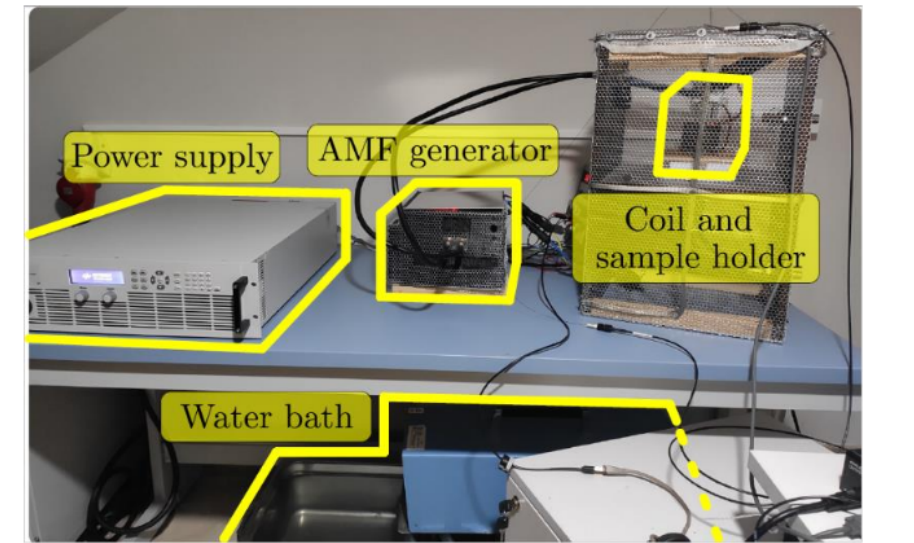
ANÍMATE_2: CIBER-BBN early stage 2022-2024 with CB06/01/0009
scalable platform for large clinical studies
simplified food intake recording
AI models for data-driven personalization

Contact: Prof. María Elena Hernando
e-mail: mariaelena.hernando@upm.es

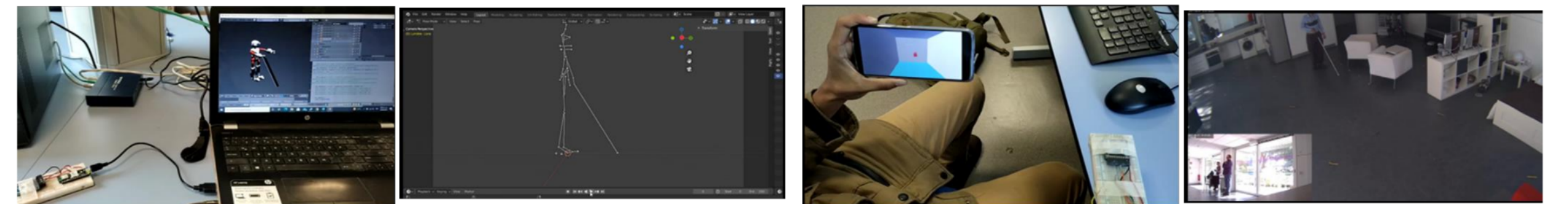
Bioinstrumentation and Nanomedicine Laboratory (LBN)



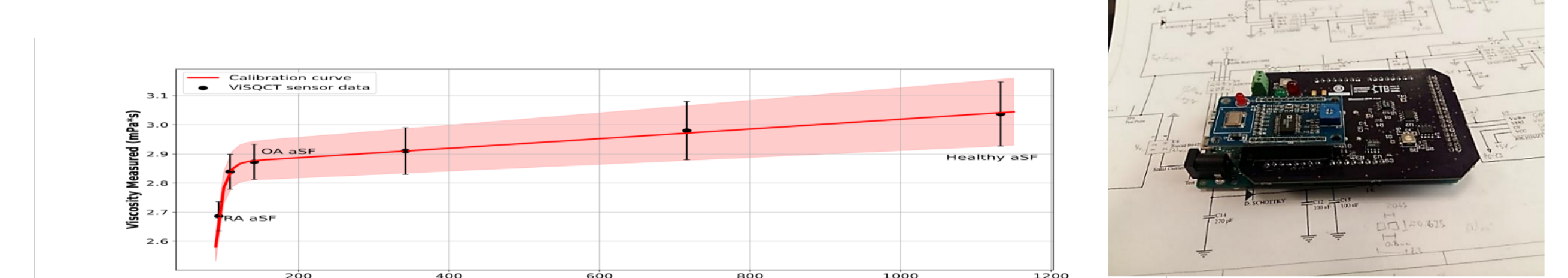
Novel magnetic hyperthermia techniques for anti-tumoral therapies:
New nanoparticles and protocols (NANOHYPERThERmia project - Intramural)
Improved efficacy of energy release (PGC2018-097531-B-I00 -- MICIN)



Technical tools for helping the mobility of blind people:
eGLANCE project - Intramural & BeHealsy EIT-Health PhD program



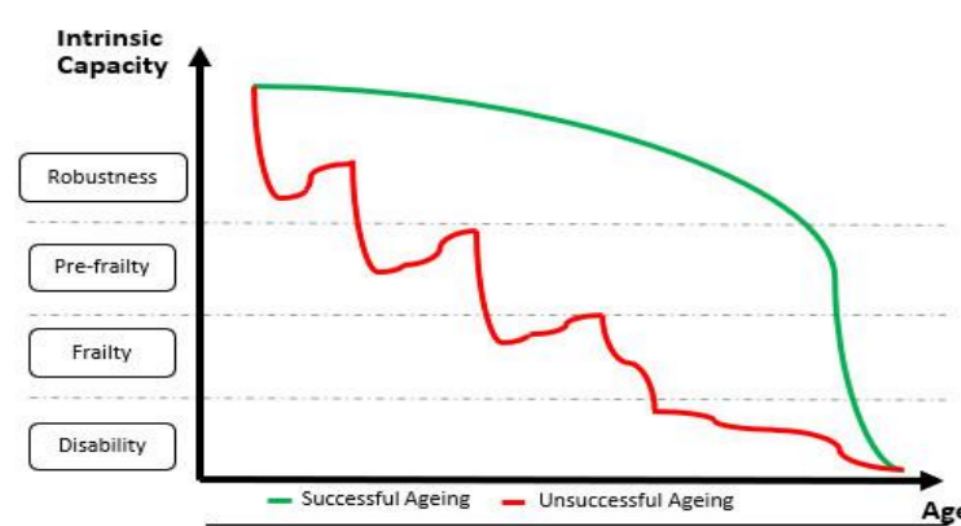
Measuring biological fluid viscosity:
Methodologies for bacterial adhesion (QCRBact - Intramural)
Device and calibration curve for synovial fluid



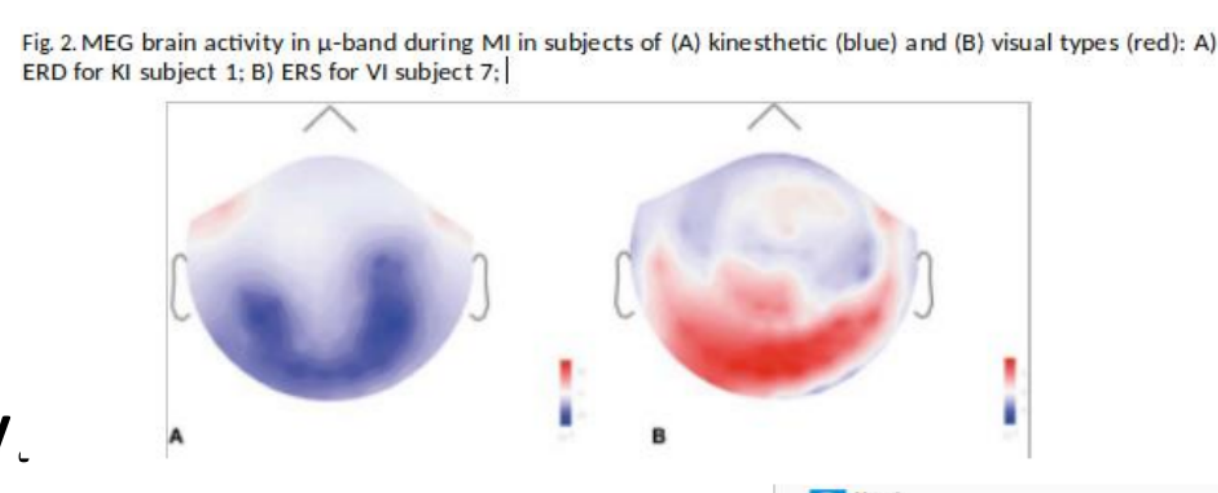
Contact: Prof. José Javier Serrano
e-mail: josejavier.serrano@ctb.upm.es

Ageing Lab A Lab

Joint lab UPM-FIBHUG for Ageing well
Maintaining functional autonomy



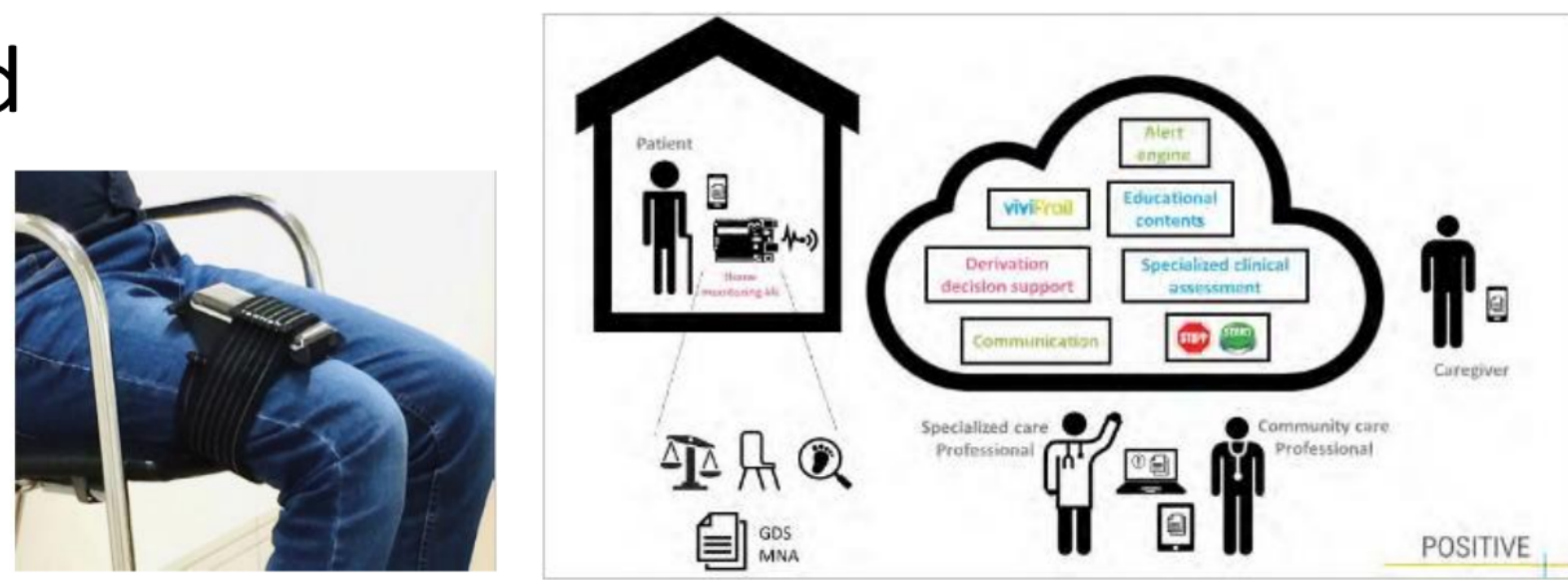
Brain-to-brain interfaces
First successful BBI.
kinesthetic (KI) vs.
visual (VI) motor imagery.



Cognitive assessment and stimulation
Web platform with gamified
interactive activities for Madrid+ Salud.



Smart systems to prevent and
reverse functional decline
Our home monitoring kit
improves frailty reversion



UX and usability for older users
Our home monitoring kit is suitable for people over 70 y.o.

Contact: Prof. Elena Villalba
e-mail: elena.villalba@ctb.upm.es

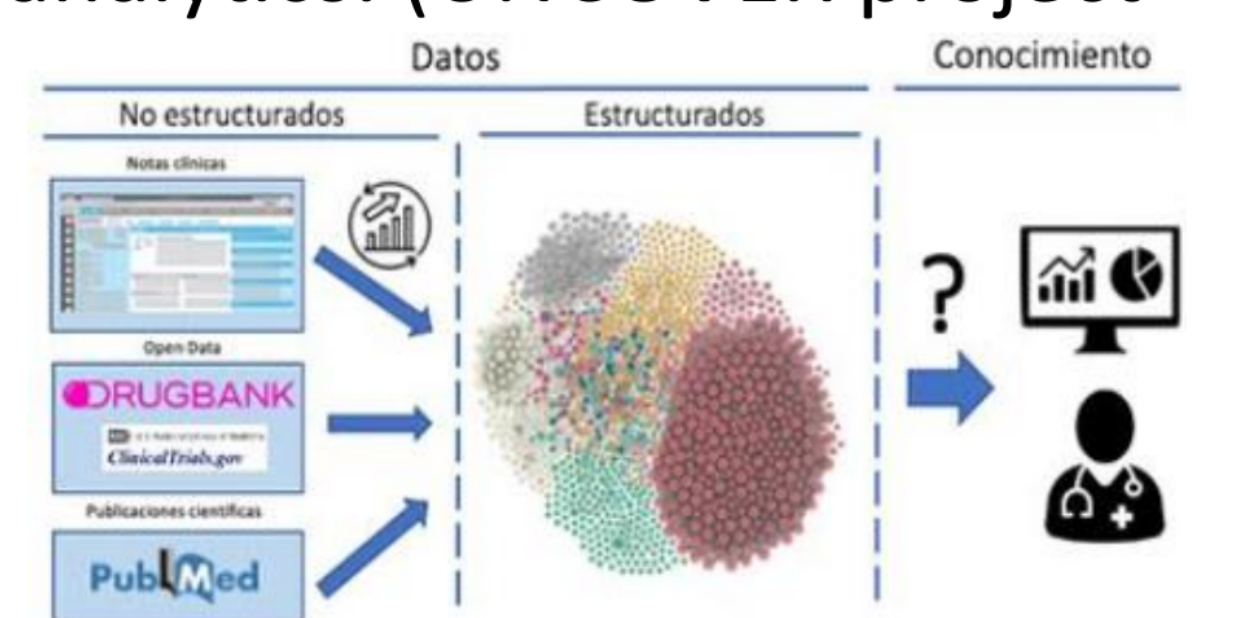
Medical Data Analytics (MEDAL) Laboratory



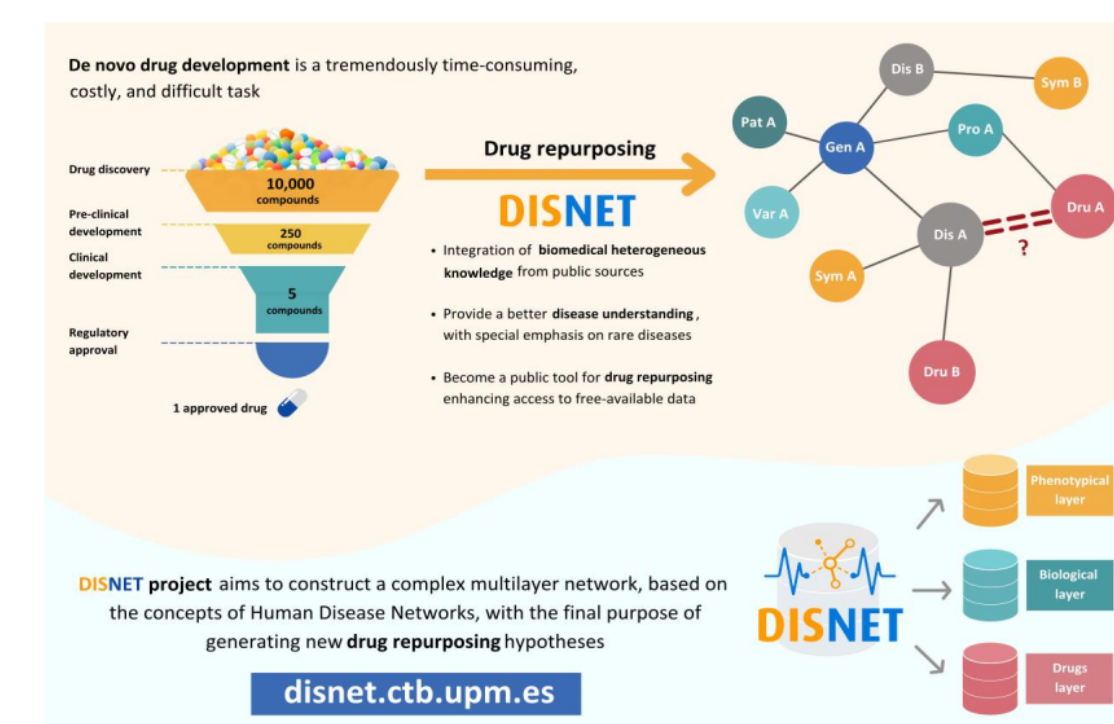
Survival analysis in patients of lymphoma, lung, and breast cancer.
(CLARIFY project - H2020 - ID: 875160)

Federated learning for COVID19 data analytics. (UNCOVER project - H2020 - ID: 101016216)

Definition of novel personalized
treatments to improve survival rates
and lower toxicity of patients of
lung cancer. (P4-LUCAT - EraPerMed)



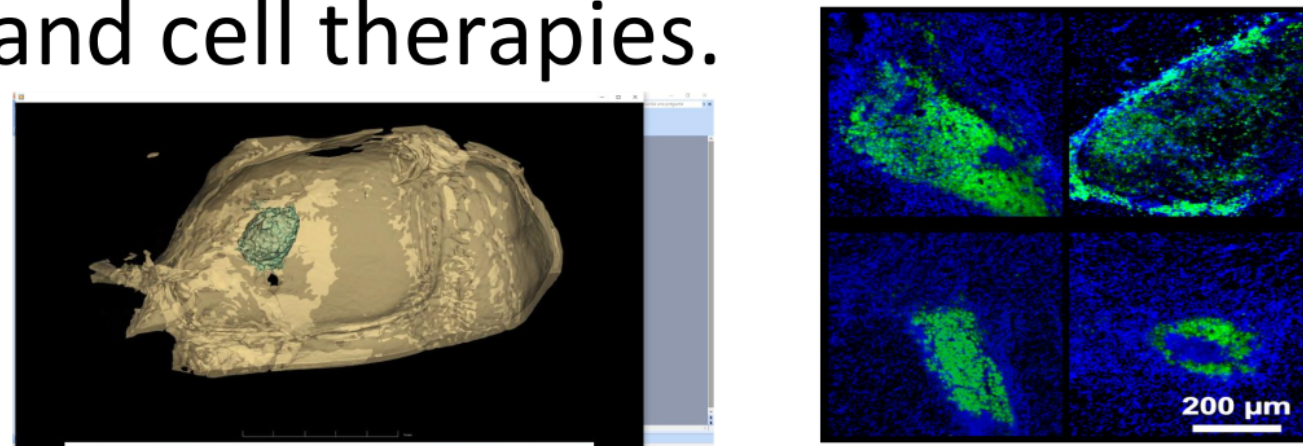
(DISNET - MICIN)



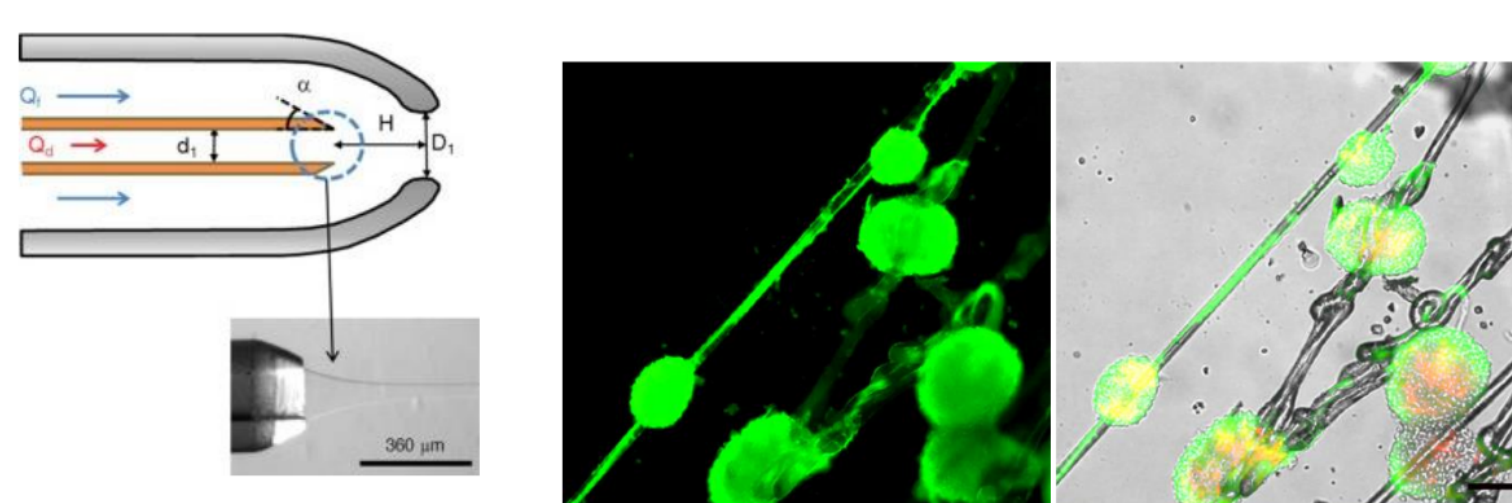
Contact: Prof. Ernestina Menasalvas
e-mail: ernestina.menasalvas@ctb.upm.es

Biomaterials and Regenerative Engineering Lab

Hydrogels with minimally invasive procedure of implantation for
precise drug delivery and cell therapies.

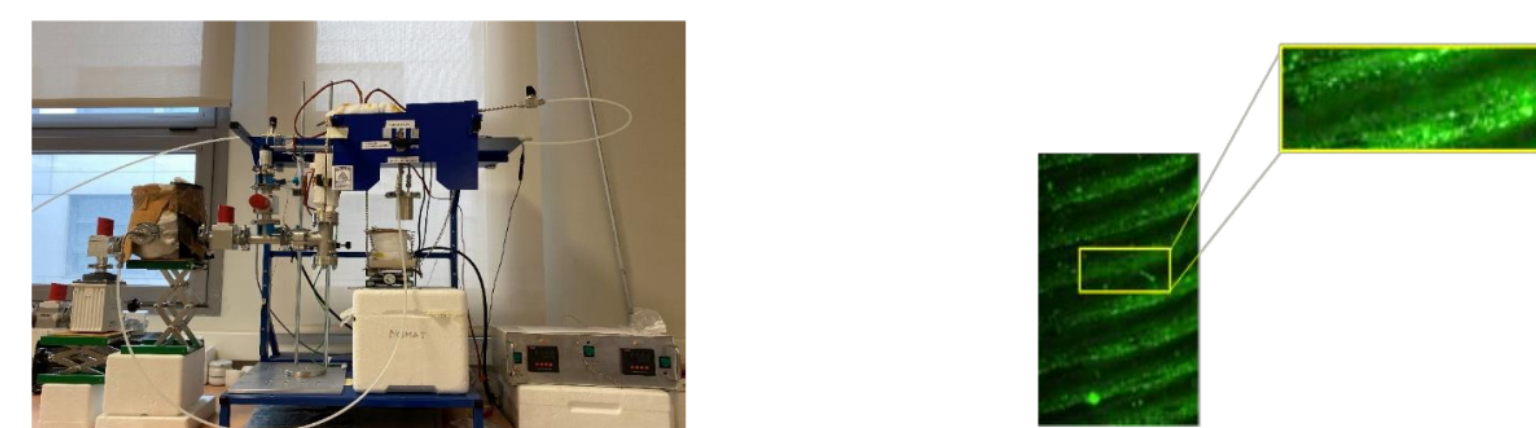


Regenerated silk fibres for nerve guiding and tendon/ligament repair

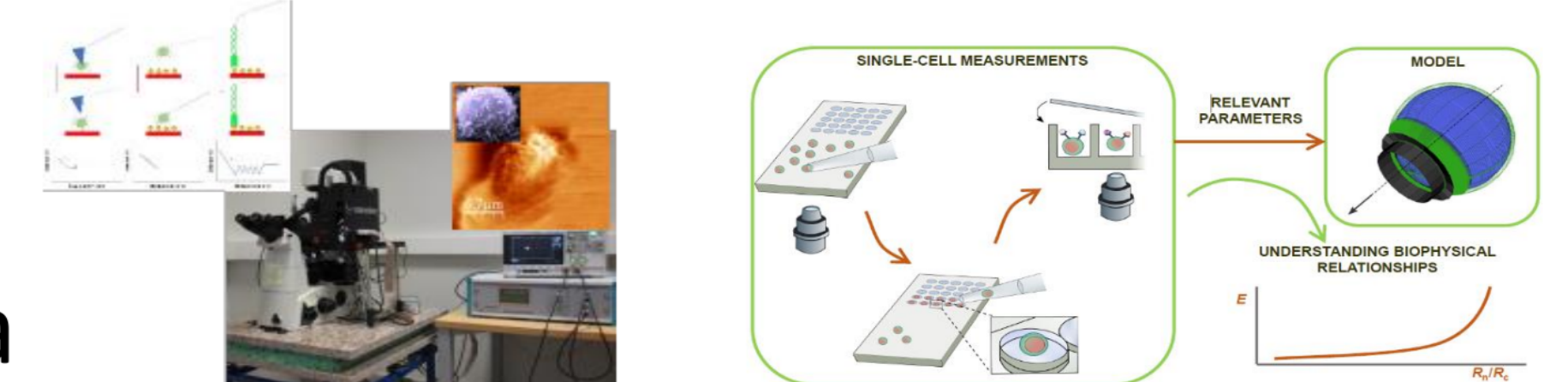


Contact: Prof. Gustavo Víctor Guinea
e-mail: gustavovictor.guinea@ctb.upm.es

Surface functionalization by a monolayer of amino-groups for
enhanced biocompatibility and sensing resolution



Mechanobiology: Microaspiration and Atomic Force Microscopy



Contact information

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