

HORIZON 2020  **HNN2.0**
HEALTH-NCP-NET

HEALTH,
DEMOGRAPHIC CHANGE
AND WELLBEING

4 July 2019, Brussels

**HEALTH
PARTNERING DAY 2019**

#H2020PartnerHealth

CiTIUS

Centro Singular de Investigación
en **Tecnoloxías Intelixentes**



Research Center in Smart Technologies

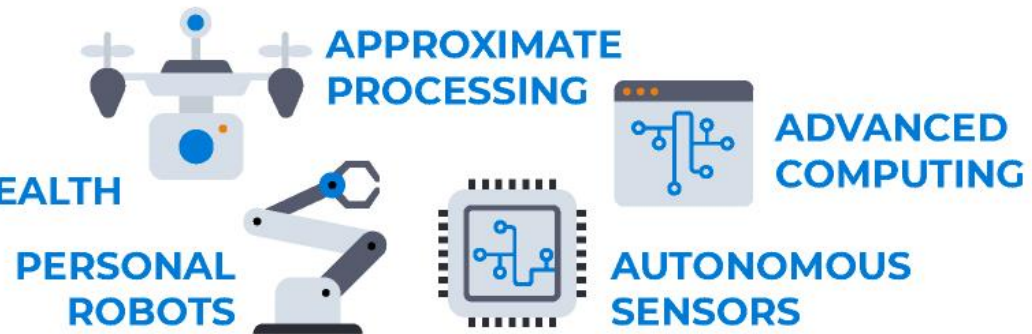
University of Santiago de Compostela (Spain)

Maria Tenorio - maria.tenorio@usc.es

citius.usc.es

SCIENTIFIC PROGRAMS

MACHINE LEARNING



ONGOING EUROPEAN PROJECTS

- NL4XAI (MSCA-ETN, leader): Interactive Natural Language for Explainable AI
- MENELAOS_NT (MSCA-ETN): multimodal fusion of sensor information
- TRAFAIR (CEF): Understanding Traffic Flows for Air Quality

SC1-BHC-24-2020: Healthcare interventions for the management of the elderly multimorbid patient (RIA)

Improving medication adherence and efficacy of treatment in elderly patients with an intelligent assistant.

- Symptoms discovery
- Non-compliance patterns
- Emotion recognition
- Persuasive interaction



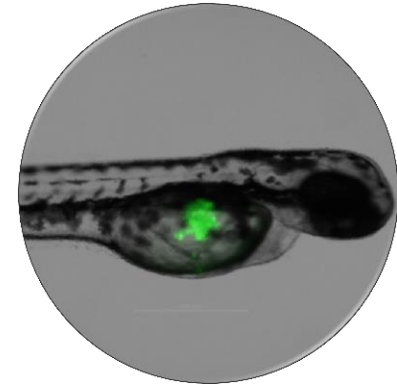
Consortium:

- CiTIUS expertise: Artificial Intelligence, Explanation-based Interaction and Therapy Adherence
- In search for: research institutions with experience in chronic diseases, preferably oncology or cardiology
- Hospitals or healthcare systems (public and/or private): Regional Public Health System(Sergas), others
- Elderly patients associations, pharmacists, psychologists
- Health economics expert (SME or big company)

EXPERTISE

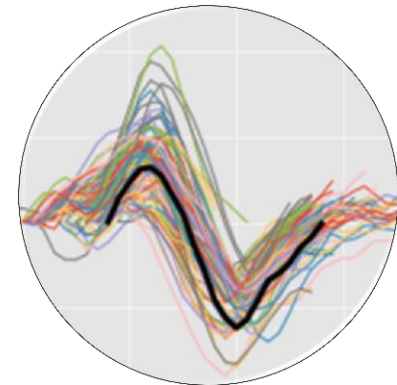
Artificial vision and machine learning techniques

- Automatic analysis of medical images
- Explainable Artificial Intelligence
- Project: prediction of tumours proliferation in zebrafish embryo
- SC1-BHC-17-2020, DT-TDS-05-2020



Artificial Intelligence in Medicine

- Temporal reasoning for pattern recognition and discovery
- Automatic processing of physiological signals
- Machine learning for classification
- CONSTRUE, the best algorithm for Atrial Fibrillation detection
- SC1-DTH-02-2020, SC1-DTH-12-2020



Contact details



#H2020PartnerHealth



Centro Singular de Investigación
en Tecnoloxías Intelixentes



Maria Tenorio

Knowledge and Transfer Management Unit

CiTIUS, University of Santiago de Compostela (Spain)

maria.tenorio@usc.es - citius.usc.es