A grayscale microscopic image of neurons, showing their cell bodies and long, thin processes extending across the field of view. The neurons are interconnected, forming a complex network.

Starlab Neuroscience

ROSIA OMC

Karan Chugani
Research Engineer

Starlab[®]
LIVING SCIENCE



A private company based in
Barcelona (since 2000)

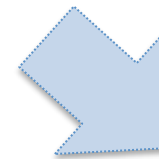
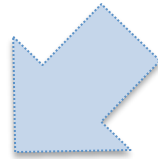
Transforming **Science** into
Technologies

Developing new products and
services with profound and
positive social impact



Starlab[®]

Neuroscience



NE
neuroelectronics[®]

Neuroscience
Business Unit



Hardware

Consulting Services
Funded research

Starstim-Home Technology

Multi-channel and simultaneous tES-EEG with real-time remote supervision. – CE Certified



Optimized usability for home use

All components are designed with usability, comfort and easy maintenance in mind

Real remote access control

The home device is available only at periods scheduled remotely by the clinician

Real-time remote monitoring

The clinic is always up to date with real-time home event emails and access to impedance and questionnaires record

Simultaneous EEG recordings

Access to secure storage of EEG recordings from before, during or after the home stimulation

Bipolar, HD, or multi-channel tES

Easy-to-use protocol design tools and optimization services allow application of tDCS, tACS and arbitrary waveforms at home

Video and task integrations

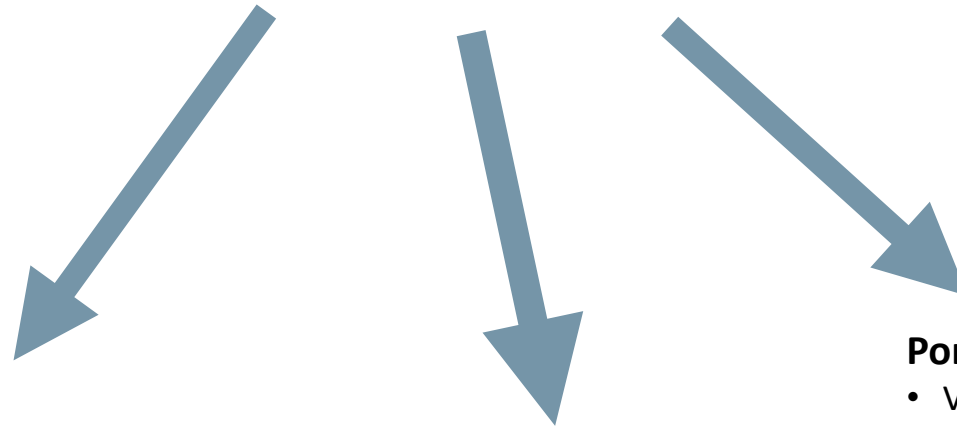
Safely and efficiently include additional requirements in the home session flow

Bird's-Eye View on the Solution



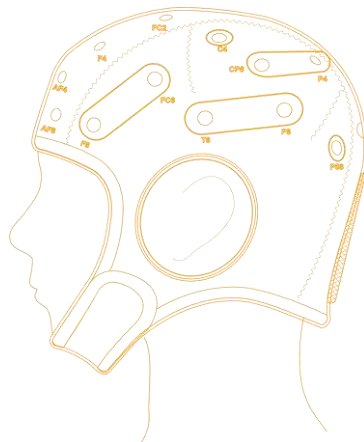
Platform

- Engine behind the scenes
- Secure data storage and processing
- Strictly protected access



Starstim tCS Home Kit

- Safe environment for remote tCS-based treatment



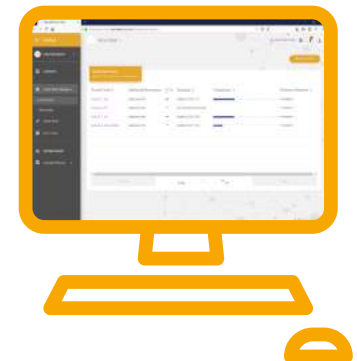
Notifications

- In real-time into your inbox



Portal

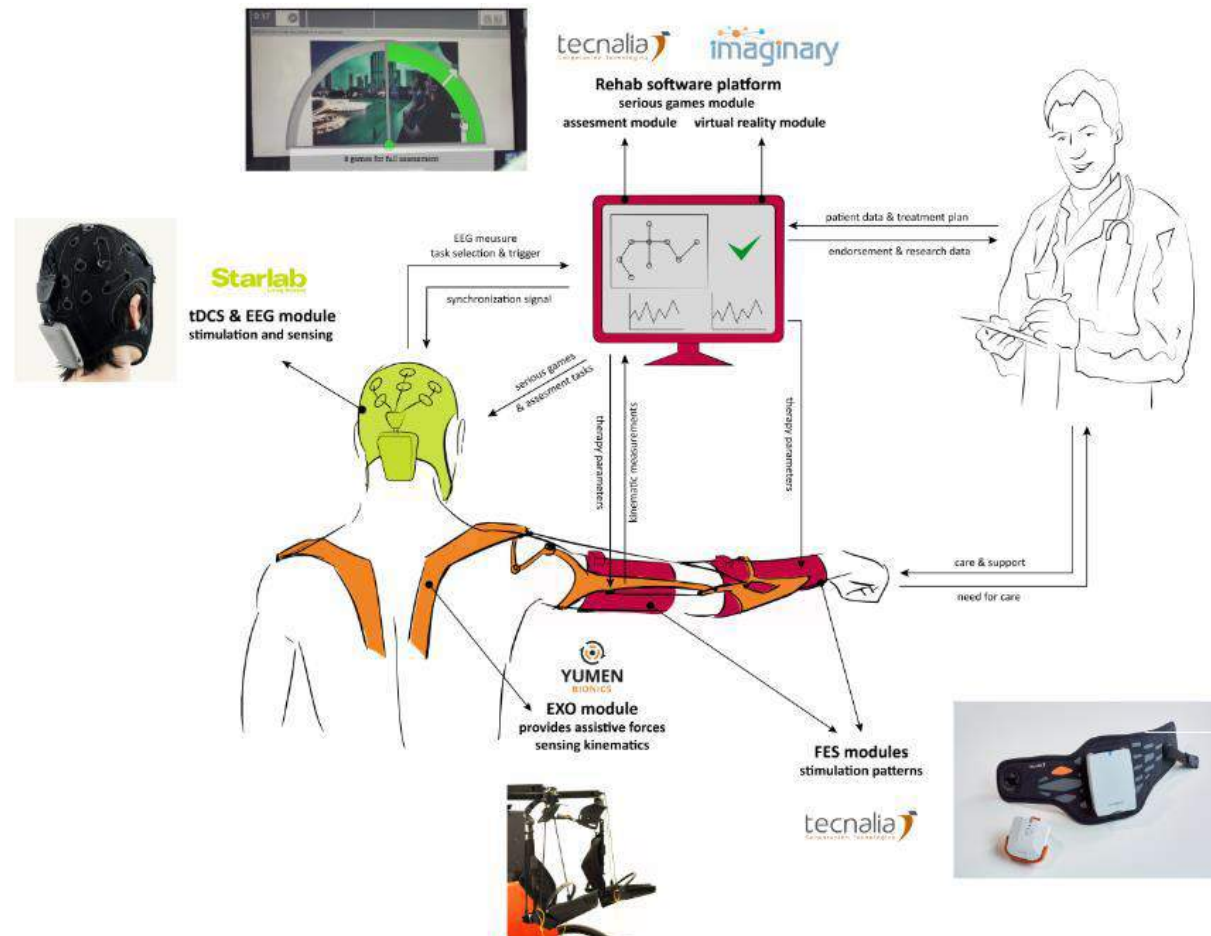
- View and manage all patient-related issues in one place



FEXO: Stroke rehabilitation

FEXO is a novel upper limb stroke rehabilitation platform that provides a multimodal approach to be used for clinical applications. It combines:

- Transcranial Electrical Stimulation
- Brain biomarkers of rehabilitation recovery
- Movement intention prediction
- Upper limb exoskeleton
- Serious Gaming



Versatility of our platform



CE Certified

- Post-stroke rehabilitation
- Fibromyalgia
- Neuropathic pain

R&D

- Epilepsy
- Brain Cancer
- Alzheimer
- Parkinson's
- Actisham

Integration with other devices

- Respiratory sensors
- Electro-myography
- Electro-cardiogram

Starlab Neuroscience

**Thank you for your
attention**

Karan Chugani

**Contact:
karan.chugani@starlab.es**

Starlab[®]
LIVING SCIENCE