Gabriele Arnulfo

Fixed-term assistant professor

✉ gabriele.arnulfo@edu.unige.it

☎ +39 010 3532789

Education and training

2012
Dottorato di ricerca

Università degli Studi di Genova - Genova - IT

2008
Laurea in Bioingegneria

Università degli Studi di Genova - Genova - IT

Academic experience

2017 - ONGOING
Ricercatore a tempo determinato di tipo A

Università degli Studi di Genova - Genova - IT

2013 - 2016
Assegnista di ricerca

Università degli Studi di Genova - Genova - IT

2009 - 2012
Studente di dottorato

Univerisità di Genova - Genova - IT

Language skills

Italian

Mother tongue

English

Independent

Teaching activity

I am teaching "Fondamenti di Elaborazione dei segnali e dati biomedici" a beachelor-level course on discrte-time signal processing.

Postgraduate research and teaching activity

Supervision of PhD students, residents and post-doctoral fellows

I am currently supervising two Ph.D. students. One in collaboration with Prof. Maura Casadio and Prof. Maria Felice Ghilardi. One in collaboration

with Prof. Fato and Dr. Rossi. I am a member of the Ph.D. teaching board in Bioengineering and Robotics.

Research interests

system neuroscience, bioengineering

Grants

2012 - 2013
Deep brain recordings of the neuronal correlates of sensory awarness
Finnish Cultural Foundation - FI
21000 - Pricipal investigator

2018 - ONGOING
The Virtual Brain Cloud
European Commission
15 000 000 - Participant
the project aims to develop and validate *VirtualBrainCloud*, a dedicated cloud-based environment that leverages the potential of big data and high-performance computing (HPC) for personalized prevention and treatment of neurodegenerative diseases (NDD).

2018 - ONGOING
Advancing non-invasive procedures for the support of early diagnosis of partial epilepsies
Fondazione Compagnia San Paolo - IT
168000 - Participant
It aims at creating a set of Electrical Source Imaging methods to accurately map the cortical source of epileptic activity in paediatric patients

2018 - ONGOING
3DBrain
DIBRIS - IT
15000 - Pricipal investigator
This project aims at investigating network effects of dipole electrical stimulation in cultured in vitro population using novel 3D-micro-electrode arrays for 3D-engineered neuronal assemblies

2015 - 2016
Advancing non-invasive procedures for the support of early diagnosis of partial epilepsies
DIBRIS - IT
15000 - Participant

Assigments abroad

I am Visiting Researcher at the Neuroscience Centre, HiLife, University of

Helsinki