Via dei Vestini, 31 – 66100 Chieti – Italy C. F. 93002750698 – P. I. 01335970693

Mod. 1 - PROFILE
(attached to the D.R. rep. 2359/2019, prot. n. 83614 of 11/15/2019)

A comparative assessment procedure is launched for qualifications and public discussion for the recruitment of n. 1 position as a Researcher with a fixed-term full-time employment relationship, pursuant to Art. 24 co. 3 letter A) of the L 240/2010, - S.C. 09 / G2 Bioingineering - S.S.D. ING-INF / 06 Electronic and Informatics Bioengineering - activated for the study and research needs of the Department of Neuroscience, Imaging and Clinical Sciences (This project received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation program Grant Agreement No 810377).

• **urgent resolution of the Department** with which the scientific disciplinary and insolvency sector relating to the position of Researcher with a fixed-term full-time employment relationship pursuant to Art. 24 co. 3 letter A) of Law 240/2010 to be announced: n. 20/2019 prot. n. 3034 acquired at the University protocol on 10/21/2019 prot. n. 76420;
• **note** prot n. 70440 dated 03/10/2019 with which the profile pursuant to art. 4, point 4 of the "Regulation for the recruitment of temporary researchers;
• **date of the ACS** with which a favorable opinion was expressed for the requested procedure: 08/10/2019;
• **date of C. of A.** with which the requested procedure was authorized: 10/22/2019;
• **macro-sector**: 09 / G - SYSTEMS ENGINEERING and BIOENGINEERING;
• **insolvency sector**: S.C. 09 / G2 - BIOENGINEERING;
• **profile**: SSD: ING-INF / 06 - ELECTRONIC AND INFORMATICS BIOENGINEERING;
• **place of employment**: Department of Neurosciences, Imaging and Clinical Sciences;

Specific functions that the researcher is required to perform:

- **Didactic tasks:** not planned
- **Scientific appointments**: research activity will concern the development of "machine learning" algorithms for the identification of personalized features of activity and brain connectivity estimated through EEG and MEG. These features will have to be suitable for driving TMS neurostimulation in a closed-loop scheme.

Rights and duties: as provided for by the current legal provisions concerning the legal status of the university researcher with a fixed term and the University's current code of ethics.
Duration of the contract: 36 months and may be renewed for only another two years upon the actual procurement of the necessary economic resources, as resolved by the Board of Directors;
Salary: € 34,898.06 a.l., including the thirteenth installment, for the entire duration of the contract, corresponding to the salary due to the confirmed permanent researcher class 0, with a full-time commitment;
Maximum number of publications: 12 (twelve), in addition to the doctoral thesis.
Foreign language whose adequate knowledge will be subject to assessment in relation to the plurilingual profile of the university or the didactic requirements of the courses of study in a foreign language: English.
Methods of assessing the foreign language, that is, knowledge of the Italian language for foreign candidates: Interview;

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Funding: University funding, project **ERC-SYNERGY ConnectToBrain**

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CUP: D54I18000270006;

The specific research activity will be linked to the execution of the project: ERC-SYNERGY ConnectToBrain;

The researcher's scientific production objectives will be finalized, over the three-year period, to the publication of: 3 (three) articles in international peer-reviewed journals, and the presentation of research results in international conferences;

Methods of ascertaining scientific qualification: by evaluating qualifications, curricula, scientific production and interview, pursuant to and for the purposes of art. 24 of the Law 30/12/2010 nr. 240.