



RESEARCH POSITION (ICP1) IN BIONICVEST PROJECT (“EUROPEAN DEVELOPMENT OF BIONICS VESTIBULAR IMPLANT FOR BILATERAL VESTIBULAR DYSFUNCTION”), FUNDED BY THE HORIZON 2020 PROGRAM (FETOPEN-01-2016-2017, GRANT AGREEMENT Nº 801127) FOR THE PERIOD 2018-2021.

The University of Las Palmas de Gran Canaria (ULPGC), Spain wishes to appoint 1 Research contract to work in the EU Project BIONICVEST for 47 months.

BIONICVEST project (“European development of bionics vestibular implant for bilateral vestibular dysfunction”), funded by the Horizon 2020, aims to demonstrate the safety of a vestibular implant for human according to the latest essential requirements of the European directives of an Active Implantable Medical Device used as an Investigational Device, to determine its efficacy in restoring vestibular function by measuring the improvement in objective tests, cervical Vestibular Evoke Myogenic Potentials, Video Head Impulse Test, and to objectify the improvement in Quality of Life of patients.

The University will recruit the best candidate following the recommendations of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers. The job offer will be published through a wide range of portals. The evaluation of candidates and their selection criteria will be aligned with the equal opportunities policies of the ULPGC. Selection and hiring procedures will follow transparent mechanisms attending national and regional legislation.

The selection committee will be composed by Mr. Antonio Marcelino Santana González (General Manager of Fundación Canaria Parque Científico y Tecnológico at the ULPGC), Ms. Almudena Suárez (who will act as secretary of the commission), Mr. Jorge Cabrera Gámez (BIONICVEST coordinator at ULPGC, who will act as President of the Commission) and Ms. Silvia A. Borkoski (researcher of BIONICVEST project).

PREREQUISITES

The candidates must comply the following conditions:

1. Nationality:
 - a. Spanish nationality or that of one of the other member states of the European Union.
 - b. Whatever his nationality, spouses of Spaniards and nationals of other Member States of the European Union.
 - c. People included into International Agreements concluded by the European Union and ratified by Spain, related to free movement of workers.
 - d. Foreign candidates not included in paragraphs above, legally resident in Spain.



2. Age: Be over eighteen.
3. Degree: Hold a PhD in Engineering and one of the following postgraduate studies: Audiology, Numeric Simulation, Microelectronics.
4. Language: Good level of English (min. level B1).
5. Research experience: minimum 2 years' experience in the following areas: audiology, clinical research, electronics, cochlear implants.
6. Professional experience: minimum 2 years' experience in Numeric Simulation, Microelectronics, Programming.

WORKING CONDITIONS

This temporary contract is for specified work and services for the execution of BIONICVEST project in the Foundation Canary Scientific and Technology Park of the University of Las Palmas de Gran Canaria.

More specifically, the tasks to be performed will be:

- Support the preparation of the technical reports and deliverables of the project to the EC.
- Coordination of new project initiatives to be submitted to national and international (European) calls for projects. Participation in seminars and congress presentations, as well as scientific papers writing.
- Development of coding and stimulation strategies for electrical stimulation of the otolithic organ.
- Implementation of the clinical and surgical protocols related to the vestibular implant.
- Implementation and development of neural response measuring systems excited electrically, acoustically or through posturography systems.
- Development and design of electronics related to the inertial sensors associated with the vestibular implant.

The contract will conclude in case of funding shortfall. The position is suitable for a full-time employment. Gross salary: 2.100 €/month.

The start of the contract is estimated for October 2018, and the duration is for an estimated period of 47 months. The person hired will work for the BIONICVEST Project at the University Institute of Intelligent Systems and Numeric Applications in Engineering (IUSIANI), in the University of Las Palmas de Gran Canaria, Canary Islands, Spain.

Further information about the Fundación Canaria Parque Científico y Tecnológico of the University of Las Palmas de Gran Canaria, IUSIANI and the University of Las Palmas de Gran Canaria can be found on the website:

<http://pct.ulpgc.es>

<https://www.siani.es/en/Instituto.html>

<http://www.ulpgc.es>



REQUIRED DOCUMENTATION

Your application must include:

- ID Card or passport
- Academic records
- Working experience records
- Certificates of attendance to seminars related to the functions of the contract.
- Language certificates
- Curriculum Vitae
- The model included in the annex of this call

EVALUATION

The following items and scores will be taken into account in order to evaluate the CV submitted:

1.- EDUCATION (max 15 points):

Health education (max 5 points)

- 0,02 points (min. 10 hours course)

Computer skills (max 2 points):

- High level (+C/C++,Python, matlab y Visual Basic) 1,25 point
- Intermediate level (básico+Scrum) 0,50 points
- Basic level (paquete office+base datos) 0,25 points.

Specific knowledge (max 4 points)

- Audiology (2,00 points)
- Development, applicability of diagnostic or therapeutic systems in the area of neurostimulation, with special relevance in the cochlear-vestibular system (2,00 points)

Management of specific techniques (max 2 points)

- Medical image (obtaining, pre-processing, image recognition, automatic segmentation (1,00 point)
- Audiological clinical tests (Audiometry, EcoG, Stable state potentials (1,00 point)

Knowledge in industrial / intellectual property (max 2 points)

- Training in industrial property (1,00 point)
- Training in intellectual property (1,00 point)

2. RESEARCH ACTIVITY (max 10 points)

Participation in research projects (max 1 point)

- (0,25 points / month)

Participation in research projects in the Biomedical Area (max 2 points)

- (0,50 points / month)

Scientific publications (Indexed in JCR) (max 5 points)

- Nationals (0,10 points each)



- International (0,20 points each)

Transfer of research results (max 2 points)

- Patents, utility models, intellectual property (0,20 points each)

3. WORK EXPERIENCE (9 points)

- Audiology, programming, numerical simulation or microelectronics (0,25 points/month)
- Specific in performing vestibular clinical tests (VEMPs, Vhit) (0,10 points/month)

4. LANGUAGES (1 points)

- English: level equal to or higher than level B2, within the Common European Framework of Reference for the Languages of the European Higher Education Area (EHEA).

Interview (Max 10 points)

The evaluation commission has the right to propose no candidate to this contract if it is found that no one fulfills the necessary experience to participate in this project.

PRESENTATION OF THE DOCUMENTATION

Documents, as well as the model included in the Annex of this call for contract must be forwarded before September 21th 2018 to the following address:

Fundación Canaria Parque Científico Tecnológico de la ULPGC
C/ Practicante Ignacio González s/n
Edificio Polivalente III – 1st Floor
Campus Universitario de Tafira

The subject of the documents should mention “Research contract for BIONICVEST project”.

Las Palmas de Gran Canaria, September 12nd 2018

General Manager at Fundación Canaria Parque Científico y Tecnológico ULPGC

Mr. Antonio Marcelino Santana González



ANNEX I

Submission model

Mr/Mrs _____ with
Passport no. _____ with address in
_____,
and with the following contact data:

Phone number: _____

E-mail address: _____

With respect to the call for a research contract presented by the Fundación Canaria Parque Científico Tecnológico (FCPCT) at the University of Las Palmas de Gran Canaria, corresponding to a Research Position (ICP1) for the EU project “*European development of bionics vestibular implant for bilateral vestibular dysfunction, BIONICVEST*” funded by the Horizon 2020 program for the period 2018-2021.

REQUESTS

To be admitted as a candidate for this position according to the evaluation criteria described in the call for contract.

According to the laws related to data protection (Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016), I authorize the FCPCT to include my data in their archives in order to participate in the selection of personnel.

[Place and date]

Signature
The candidate