ANNEX I.- OPEN JOB POSITION

Description of the open job position

Responsible Investigator: Sebastián Ventura Soto
Project:
Reference: PhD-GC25
Title of the offered position: Computer engineer PhD researcher.
Professional category of the recruited candidate: PhD researcher
Summary of the vacancy: The successful candidate should show expertise in the development of machine learning and data mining algorithms for biomedical data. He/She will also have advanced skills in programming languages for data analysis (R and Python, mostly), as well as experience to provide technical support in project related to precision medicine and big data mining.

Expected start date: 01 June 2018
Duration of the contract: 4 months
Workplace: Instituto Maimónides de Investigación Biomédica de Córdoba (IMIBIC)
Number of open vacancies: 1
Total cost: 7.409,84 €

Working conditions:

Gross salary (salary, other benefits, etc...)	**1.367,71 € Gross/month**
Type of the contract (temporal, indefinite.)	**Temporal**
Form of employment (full time / part time)	**Full time**
Duration of the contract	**4 months**

Profile Requirements
(Degree, other training, experience)

- **Degree:**
  - Degree in Computer Science.
- **Other training**:
  - PhD in Computer Science.
- **Research profile level (R1-R4):**

	R1 (First Stage Researcher, pre-doctoral)		**R3** (Established Researcher: Researchers who have developed a level of independence)
x	**R2** (Recognised Researcher, PhD holders)		**R4** (Leading Researcher: Researchers leading their research area or field)

- **Profile** (minimum requirements and valued merits)**:**

  - Minimum requirements:

    1) Degree in Computer Science.
    2) PhD in Computer Science.

  - Valued merits:

- Experience in: (0.05 points for each month of experience up to a maximum of 1.5 points)
  - Statistical computing R.
  - Programming languages Python and/or PERL.
  - Java and C/C++
  - Data bases SQL and NOSQL.
  - Analysis of genomic, proteomic, metabolomics data and gene expression data.
- Scientific publications (JCR), up to a maximum of 4 points:
  - First decile or first quartile and as first, corresponding or last author: 0,2 points for each publication.
  - First decile or first quartile and not as first, corresponding or last author: 0,1 points for each publication.
  - Publications in other than first quartile journals, and as first, corresponding or last author: 0,08 points for each publication.
  - Publication in other than first quartil journals, and not as first, corresponding or last author: 0,05 points for each publication.
- Participation in projects related with the topic of the offered position: 0.25 points for each project, up to a maximum of 1 point.
- Accredited level of English B2 or superior: 0.5 points.

Selection process

The selection process consists of evaluation, ranking of all CVs received and personal interviews. Only the candidates who achieve more than the 50% of the maximum points based on the evaluation of the valued merits will be eligible for interview.

Following the evaluation of the merits of all applicants based on their CVs, the three (3) highest ranked applicants will be called for a personal interview in order to evaluate more precisely their skills. The personal interview counts up to maximum of 3 points. The final ranking will be obtained by summarizing the points of the evaluation of the CV and the interview. The highest ranked candidate will be selected.

In case the selected candidate rejects the job offer, the vacancy will be offered to the second highest ranked candidate, based on the publicly available list of the results of the selection process.

Main tasks

The successful PhD researcher candidate will:

- Develop machine learning and data mining algorithms for biomedical data.
- Develop advanced data analysis on biomedical, including genomic, proteomic and/or gene expression data.
- Perform advanced level programming in R and/or Python.
- Provide technical support in projects related to precision medicine and big data mining.

Requested documentation

- Curriculum Vitae

In order to properly assess the experience, it is necessary to indicate in the CV the **duration in months** of the previous working experience.

How to apply and application deadline

How to apply: Applications should be sent by email to personal@imibic.org. It is obligatory to indicate the **reference** of the offer in the **subject field** of the email. Applications failing to do so **will not be evaluated**.

Application period:

	Day	Month	Year	Hour
Start	9	Mayo	2018	00.00 h
End	19	Mayo	2018	23.59 h

IMIBIC's Recruitment policy ensures that the best candidate for a given job is recruited through an open, transparent and merit-based selection process. Following these principles is deemed to foster international mobility of researchers, knowledge exchange, as well as guarantee equal opportunities and access for all, making the research career more attractive and ultimately increasing the quality of research.

The researcher responsible for this selection process states that the person to be hired will not have a labor contract with the SSPA or perform medical care work.

ADDITIONAL INFORMATION:

Place and date: Córdoba, 9th of May 2018.

Approval and Signature of the Responsible Investigator

In compliance with the Spanish Organic Act 15/1999 (Ley de Protección de Datos de Carácter Personal), dated 13 December, we inform you that the data provided in this document as well as data included in any documentation attached to it, will be processed and owned by FIBICO-IMIBIC, which is the legal responsible for all data provided through this document, with the purpose of processing the request stated in this document, and in order to inform you by any means, including email, about activities or services that may be of your interest. Your data will be communicated to other entities and/or to the Public Administration when that is legally foreseen and/or necessary for the fulfillment of these purposes. You can exercise your rights of access, rectification, cancellation or opposition by writing to us, and attaching a photocopy proving your identity, to the following address: Avenida Menéndez Pidal S / N, 14004 Córdoba.