ALLEANZA
CONTRO
IL CANCRO

Prot. 387/20

Public announcement

Provision a coordination assignment task for the creation of advanced analysis platforms of clinical and scientific data shared by the various IRCCS participating in the project, the execution of sophisticated analyses on these data, the coordination of the analysis activities carried out by individual IRCCS called as "*Data Scientist*"

In view of the fact that:

a) Alliance Against Cancer (hereafter, «ACC») is the principal Italian research association on Cancer.
It was founded by the Italian Health Ministry and is currently constituted by 26 Scientific Institutes for treatment and inpatient care (IRCCS), AIMaC, Italian Saroma, CNAO Foundation, and Italian National Institute of Health, that houses the ACC offices.

 b) Among the ACC objectives, the principal is to promote networking and research activities across IRCCS and other cancer research centers to implement cancer diagnosis and therapiesA

c) For the purposes mentioned above, on 19 November 2019, ACC as Actuator Subject, and in conjunction with the Cardiological Network and the Neuroscience and Rehabilitation Network, has entered the agreement n. 2019/CCR-2018-23669122 with the Italian Ministry of Health. The agreement concerns the entrustment of the research project "Virtual pathology institutes of the IRCSS Italian Networks: prevent disease, personalize healing, and improve patients' life quality." The project endowed with the found 2018-2028 provided for by the Italian Authorization Bill n. 25 2016. This project aims to create a technological platform for the collection, sharing and analysis of clinical and scientific data obtained from patients of each partecipating IRCCS of three networks (*Health Big-Data Project*).

d) To support this project's activities, ACC needs to hire a highly qualified external professional figure with expertise in coordinating the collaborative project to create an IT platform. The IT platform has the principal role of collecting, analyzing, and sharing clinical-scientific data originated by the engaged IRCCS engaged. The selective procedure will be open "in such a way as to ensure adequate publicity for the selection notice, broader access to candidates, transparency, and strictness od procedure." (art. 5 project's convention "*Health Big Data*").

(A) SECTION 1 – REQUESTING PARTY

- Denomination: Alliance Against Cancer (ACC) - an association supervised by the Italian Ministry of Health, which brings together public and private IRCCS carrying out translational cancer research in Italy.
  Registered office: c/o Istituto Superiore di Sanità (Italian National Institute of Health), Viale Regina Elena 299, 00161, Rome.
- Telematic contact:
  - website: www.alleanzacontroilcancro.it
  - e-mail: dirgen@alleanzacontroilcancro.it
  - P.E.C.: alleanzacontroilcancro@pec.it

(A) SECTION 2 – OBJECT

- *Denomination*: Public notice for the assignment of engagement to the coordination the data analysis activities related to the *Health Big Data* project indicated in the foreword   *"Project Manager Data Scientist."*
- *Brief description*: the line of action is aimed at search and selection of exclusively n. 1 (one) professional figure to insert in the *Health Big Data* project, as indicated in the foreword. The new member of the staff will provide technical support for the creation of analysis platforms of clinical and scientific data shared by all IRCCS participants in the project. Furthermore, she/he will also be engaged in the execution of advanced analyses on these data, the coordination of the analysis activities carried out by individual IRCCS ("*Data Scientist*").
- *Nature and duration of the relationship to be established*: Coordinated and collaborative collaboration contract. The term of the assignment is fixed in 3 years and is renewable.
- *Compensation:* The annual gross compensation will be correspondent to the competence and experience of the candidate. It will range between euro 50,0000.00 (fifty thousand) and euro 66,000.00 (sixty-six thousand) per year gross, payable in 12 months.
- *Location of examination:* to be defined within one of the IRCCS participating in the Research Project

(B) SECTION 3 – ADMISSION REQUIREMENTS

1. The following requirements are demanded

   1) **REQUIREMENT N. 1** – degree:

   - Master's degree from one of the following classes, according to D.M. 270/2004:

     - LM – 40 (Mathematics)
     - LM – 17 (Physics);
     - LM – 32 (Computer engineering)
     - LM – 18 (Computer Science or Bioinformatics)
     - LM – 06 (Biology)
     - LM – 13 (Pharmacy)
     - LM – 54 (Chemistry)
     - LM – 41 (Medicine)
     - LM – 09 (Biotechnology)

   and the corresponding equivalences for bachelor's degrees (old system) and advance degrees, or equivalent qualification obtained abroad.

2) **REQUIREMENT N. 2** - Excellent command of the English language. For non-Italian citizens, a good knowledge of Italian language is required.

3) **REQUIREMENT N. 3** - Full enjoyment of civil and political rights

4) **REQUIREMENT N. 4** – Not having been dismissed, dispensed or declared deprived of employment in a Public Administration or banned from public offices.

5) **REQUIREMENT N. 5** - Not having reported convictions, even not definitive, for one of the crimes covered by Book II, Title II of the Penal Code (Crimes against the Public Administration). The hypothesis of decriminalization, extinction, and rehabilitation are not affected.

6) **REQUIREMENT N. 6** – Not to be older than the age laid down by the laws in force for retirement.

7) **REQUIREMENT N. 7** – Italian citizen:

- citizens of a foreign State are put on an equal footing with an Italian citizen

2. The candidates must meet all requirements for admission on the due date of the deadline for submission of application form

(D) SECTION 4 – DEADLINES AND CONDITIONS FOR SUBMITTING APPLICATIONS

1. The application form for selection participation must be submitted on ordinary paper with the kinds of transmission and at the contact details as referred to in point 2 below, and must contain:

a) declaration in lieu, in Italian or English, made by the candidate pursuant to and for the purposes of Articles 46 and 47 of the d.p.r. 445/00 based on the outline referred to in Annex "A," in which the candidate himself attests that she/he meets the admission requirements related to Section 3 of this notice, including also:

- a detailed CV in European format, in Italian or English, dated and signed, attesting to training and professional activities.

- a copy of a valid identity document;

- a motivation letter written in Italian or English;

- Three reference letters written in Italian or English;

- Any documents or statements which may be useful for the assessments referred to in Sez. 5, point 4;

b) Your consent to the processing of personal data must be provided, made in accordance with the scheme referred to in Annex "B," pursuant to and for the purposes of Articles. 12, 13, and 14 of EU Regulation 679/2016, drawn up in Italian or English.

2. The applications to the public selection must be received within 60 days after the notice publication or no later than 24:00 on the day **26/10/2020** with the following formality:

-transmission by Certified electronic mail (C.E.M.) to the following address: alleanzacontroilcancro@pec.it

- transmission by registered mail with return receipt and send to the following address: Alleanza Contro il Cancro c/o Istituto Superiore di Sanità, viale Regina Elena 299, 00161, Rome

- Non-Community nationals' candidates must send their application by ordinary traditional mail to the following address: Alleanza Contro il Cancro c/o Istituto Superiore di Sanità, Viale Regina Elena 299, 00161, Rome.

3. ACC does not assume any responsibility for failure to receive the application within the prescribed period, evidenced by the stamp and date of the accepting post office. Further, ACC does not assume any responsibility for mistakes caused by postal offices or delivery agencies, or mistakes attributable to third parties, in case of unforeseeable circumstances, or reasons beyond control.

4. Interested candidates may request any clarification on the content of this notice at the following email address:

- careccia@alleanzacontroilcancro.it

5. Before signing the employment contract, ACC will verify the fulfillment of the candidate's admission requirements first in the ranking through official verifications and appropriate documentary requests to the candidate. In the event of a negative result of these assessments, the candidate will be excluded; consequently, the next candidate in the ranking shall be considered.

(E) SECTION 5 – SELECTION PROCESS

1. The identification of the contract's addressee will be through a comparative evaluation of the candidates carried out of assessments professional titles and oral interview operated by a select Examining Board.

2. The Examining Board will be appointed by the Director-General of the Alliance Against Cancer by adopting an appropriate provision that will be published on the ACC website.

3. The Examining Board will first examine the applications received, verify eligibility requirements, and assess the candidates' qualifications. The Examining Board will only allow candidates who meet the admission requirements (see section 3) to undergo the subsequent assessment of titles. The list of eligible candidates will be published on the ACC website under the Notices and Notices section.

4. The Examining Board will then assess the qualifications in the light of proven professional, cultural and scientific specialization:

- from university and postgraduate training

- from proven experience:

1. Knowledge and experience in statistics, data mining, and machine learning
2. Proficieny in programming languages such as Python, R, C/C++
3. Experience in the use of HPC platform;
4. Experience on working with the main data analysis Python/R libraries: scikit learn,:, NumPy, panda, CARET, mlr etc.;
5. Knowledge of Deep Learning frameworks such as Tensorflow, Keras and Pytorch;
6. Teamwork experience in a geographically distributed and multidisciplinary team
7. Strong interest in the application of data science to the healthcare domain.

5. The Examining Board will admit to the oral interview only candidates with qualifications deemed suitable for the exam of the tasks covered by this selection, as specified in Section 2, and that in the comparative evaluation of the same titles reach at least 30 points (score from 0 to 40). The list of candidates admitted to the oral interviews will be published on the ACC website at the Notices and Notices Section.

6. The Oral interview through teleconference is aimed at deepening the training and professional experience gained by the candidate. In particular, to evaluate personal motivation as well as assess specific technical, relational, and communicative skills, excellent knowledge of the English language or a good understanding of the Italian language for non-Italian citizens, the skills and the competence to perform the functions declared in this selection.

7. The date, place, and time of the interview will be published on the ACC website (www.alleanzacontroilcancro.it) at the Announcements Section at least 7 (seven) days before starting the test and at the same time communicated to the admitted candidates by email.

8. The modalities of the interview will found the " *Guidelines for conducting staff selection tests through the* video interview." Failure to present at the interview, for any reason, will be deemed a waiver of the selection.

9. At the end of the selection, the Examining Board will approve and publish on the ACC website the ranking list of candidates admitted, having assessed the curriculum vitae of each eligible candidate and the results of the individual interview, assigning to each candidate the following scores, based on total score up to a maximum of 100 points:

assessment criteria-score (MAX)

  a) training and professional experiences: 40 points

  b) outcome of the interview: 60 points

  Total score: 100 points

10. The Board's assessments will be carried out solely for the technical-discretionary purposes of identifying the most suitable candidate for the conclusion of the collaboration contract covered by this notice, in the exercise of ACC's private autonomy under the Civil Code. The same assessments will not bind ACC to the recruitment of the first candidate first in the ranking list. Participation in the procedure will not entitle for hiring, not even to the first candidate graduated.

11. If necessary, the Boar will ask the candidates additional supplement information and clarifications on the documentation submitted.

12. ACC reserves the right to carry out appropriate checks of the declarations contained in the application for participation in the selection of Annex A according to art. 71 of the Presidential Decree No. 445/2000

13. ACC reserves the right to cancel and/or revoke the present procedure at any time, without the circumstance giving any title to the candidates or the first candidate in the ranking for compensation, indemnities or other compensations.

(F) SECTION 6 – RECRUITMENT AND CONCLUSION OF THE CONTRACT

1. The candidate first in the raking list will stipulate a continuous and coordinated collaboration contract, in compliance with the provisions of the Italian Civil Code and Legislative Decree no. 81/2015 and other applicable forecasts due to the nature of the assignment conferred.

2. The working relationship will be carried out personally by the selected subject, in full autonomy, and without constraints of subordination.

3. The collaboration contract will automatically be terminated if there is a conflict of interest towards ACC. In the event of conflicts of interest before selection or situations of incompatibility, the contract will not be concluded.

(G) SECTION 7 –COMMUNICATION TO APPLICANTS

All communications following the deadline for the presentation of the self-candidacy will be published on the website, in the Notices Section. All communications will have the value of notification for all legal purposes.

(H) SECTION 8 – PROCESSING OF PERSONAL DATA

The personal data, obligatorily provided, will be processed in compliance with Legislative Decree no. of 10 August 2018, n. 101, which adapts the Code on the protection of personal data (Legislative Decree no. 30 June 2003, n. 196) to the provisions of the Regulation (EU) 2016/679, and only for the requirements related to this procedure and for those resulting from the possible establishment of the employment relationship, as also provided in the information notice under Annex "B."

(I) SECTION 9 – APPLICABLE LEGISLATION

1. This notice is related to a selective private procedure carried out by ACC within the private autonomy framework referred to in the Civil Code.

2. For anything not expressly provided in this notice, reference is made to the provisions of the Civil Code on Employment Relations and the other provisions applicable.

(L) SECTION 10 – EQUAL OPPORTUNITY

This notice is issued respecting equal opportunities between men and women to access employment and financial treatment, according to Legislative Decree no. 198/2006.

(M) SECTION 11 – PUBLICITY

This notice is published on the ACC website (www.alleanzacontroilcancro.it) in the Announcements and Notices Section. The announcement is simultaneously transmitted to the Scientific Directorates of the Scientific Institutes for treatment and inpatient care (**Ricovero e Cura a Carattere Scientifico)** that constitute Alliance Against Cancer and to all members of the Network to publish it on the relevant websites.

Rome, 26 August 2020

The General Director

(Paolo De Paoli)

Alliance Against Cancer - c/o Italian National Institute of Health, Viale Regina Elena, 299 | 00161 Rome | C.F. 97262520584 | Tephone. +39 06 49906076

It is attached to this Notice: 1) Annex "A" - scheme «Application for Participation.» 2) Annex "B" - scheme «Information according to art. 13 of Regulation (EU) 2016/679, and relative consent to the processing of personal data