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UFFICIO PROGRAMMAZIONE
RUOLI E RECLUTAMENTO

COMPARATIVE SELECTION FOR N. 2 FIXED TERM JUNIOR RESEARCH ASSOCIATES – ART. 24, PARAG. 3, LETTER A) OF LAW NO. 240 DATED 30 DECEMBER 2010 – FULL TIME - THREE-YEAR TERM
(DR register no. 568/2020 – 60393, dated 31.03.2020)

Art. 1 – ASSESSMENT PROCEDURES

DEPARTMENT OF INGEGNERIA DELL'INFORMAZIONE E SCIENZE MATEMATICHE (DIISM)

n.1 POSITION

Academic recruitment field: 09/F2 Telecommunications

Academic discipline: ING-INF/03 Telecommunications

Research Project: “Adversarial detection of fake images and videos”

Research activities:

Development of a new class of multimedia forensic tools for fake image and video detection with enhanced security against intentional attacks. The activity will start with the definition of proper security models and will continue with the development of security-enhanced fake media detectors following three different approaches: i) development of informed detectors; ii) development of MMF tools intrinsically secure against attacks, iii) development of randomized detectors.

Hours of classroom teaching each academic year: 40 hours

Maximum of scientific publications: 12

Scientific Head: Prof. Mauro Barni

Foreign requested language: English - **Level of proficiency:** Good

DEPARTMENT OF BIOTECNOLOGIE MEDICHE (DBM)

n.1 POSITION

Academic recruitment field: 06/A3 Microbiology and Clinical Microbiology

Academic discipline: MED/07 Microbiology and Clinical Microbiology

Research Project: “Microbial genomics and transcriptomics of the host immune response”

Research activities:

The project aims to apply various Next Generation Sequencing (NGS) technologies to genomics of bacterial pathogens and to the study of immune response to vaccines and infections. Characterization of the immune response to vaccination in pre-clinical models and in clinical trials using multiparametric flow cytometry analysis and RNA-Sequencing. Bioinformatic analysis of NGS and flow cytometry data.

Hours of classroom teaching each academic year: 60 hours



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Maximum of scientific publications: 12

Scientific Head: Prof. Gianni Pozzi

Foreign requested language: English - **Level of proficiency:** Good

Art. 2 – REQUIREMENTS FOR ADMISSION TO THE PROCEDURE

1. Applicants are eligible if holding a PhD or equivalent completed in Italy or abroad, or a diploma of medical specialization in the relevant area(s).

In this case the PhD or equivalent qualification constitutes an advantage.

2. Applicants are eligible if EU or non-EU citizens meeting the admission requirements stated above.

3. **In relation to qualifications obtained abroad, it is necessary to attach to the application, alternatively:**

- **the above-mentioned academic equivalence of the educational qualification in accordance with art 38 of Legislative Decree no 165/2001;**
- **or the certificate of equipollence with the PhD title in accordance with Italian University regulations issued pursuant to Paragraph 74 of Presidential Decree 382/1980;**
- **or the application for the request of the equivalence/equipollence certificate.** In this case, applicants will be provisionally admitted to the call, it being understood that the academic equivalence/equipollence certificate must be in their possession no later than 30 days following the publication of the Decree of Approval (*Approvazione atti*) on the online Bulletin Board (*Albo on line*) - see art. 3 clause 6.

For further information please consult the following website

<http://www.funzionepubblica.gov.it/strumenti-e-controlli/modulistica>

4. Candidates must be in possession of the requirements for admission to the selection procedure by the deadline of this call.

5. **All candidates are admitted to the selection procedure conditionally, reserving the right to verify that they meet the requirements for admission to the selection procedure.** The administration can, at any time and with justifiable reason, exclude candidates who fail to meet the selection requirements.

6. Applications cannot be accepted from the following people: retired or currently employed full or associate University professors or researchers; those who have a relationship or affinity up to and including the fourth degree with a professor belonging to the Department or the structure proposing the activation of the contract, or with the Rector, the General Manager or a member of the University Council.

7. Furthermore, applications cannot be accepted from those who have been awarded of a Post-Doc or PhD research fellowship (in accordance with Article 22, Law 240/2010 – *Assegno di ricerca*), or who have been employed as a Junior/Senior Research Associate (in accordance with Article 24, Law 240/2010 – *Ricercatore a tempo determinato*), at Italian Universities or at the Institutions stated in Article 22 comma 2 Law 240/2010, if the sum of the duration of the research fellowship and the duration of the contract as a Junior/Senior Research Associate and the duration of the position that is the subject of this selection procedure is more than 12 years (even if not continuous).

The calculation of the above mentioned sum (12 years) does not include maternity leave or sick leave used during research fellowships awarded in accordance with Article 22 Law 240/2010.



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8. The lack of the payment of the contribution pursuant art. 3 co. 5, within the term stated in art. 3 co. 1 will lead to the disqualification of the applicant. The lack of the signature on the application will lead to the disqualification of the applicant.

Art. 3 - PRESENTATION OF THE APPLICATION

1. Applications for admission to the procedures and the documents indicated below, **in pdf (size limit: 30 MB for every single PDF file)**, must be lodged by using the application <https://pica.cineca.it/unisi>. The application must be submitted on line no later than 30 days after the date of publication of the notice for this call for applications in the Official Journal of the Italian Republic (Gazzetta Ufficiale). For technical problems concerning the application PICA please contact unisi@cineca.it.

2. The applicant will receive an e-mail after the successful submission of the application, including a confirmation and an ID number. The applicant will be able to check her/his successful submission and its recording in the register by logging into PICA.

3. The lack of the signature on the application will lead to the disqualification of the applicant.

4. The University administration declines any responsibility for non-receipt of applications due to third party liability.

5. The following documents must be included with the application:

- a signed and dated curriculum vitae containing a list of the candidate's qualifications, scientific publications and other activities.
- the publications the candidate intends to submit for evaluation by the Board and a signed list of the publications submitted;
- copy of a valid identity document;
- evidence of payment of € 10,00 (EUR 10) non-reimbursable for each one of the applied positions, to cover the cost of the Recruitment Process.

The payment must be made in one of the following ways:

- **Pago PA UNISI**

<https://unisi.pagoatenei.cineca.it/portalepagamenti.server.frontend/#/pagamentospontaneo>

- by bank transfer to the following account number or IBAN:

IBAN: IT 79 R 03111 14200 000000001264

BIC/SWIFT CODE: BLOPIT22

Please indicate the following reference: "CONCORSO RTDA 1 posto S.C. 09/F2 – S.S.D. ING-INF/03 - DIISM" **or** "CONCORSO RTDA 1 posto S.C. 06/A3 – S.S.D. MED/07 - DBM"

The lack of the above mentioned payment within the term stated in clause 1 will lead to the disqualification of the applicant.

6. The applicant will have to declare pursuant to articles 46 and 47 of Presidential Decree no. 445/2000 certifying the truth of all data contained in the application.

The applicant furthermore declare that:

- to have no criminal convictions;



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- to have no criminal proceedings in progress;
- to be registered on the electoral roll;
- to enjoy civil and political rights in state of citizenship/origin;
- to have not been dismissed or released from a post with the Public Administration or for whom State employment has lapsed pursuant to Presidential Decree 3/1957;
- to be no retired or currently employed full or associate University professors or researchers;
- to do not have a relationship or affinity up to and including the fourth degree with a professor belonging to the Department or the structure proposing the activation of the contract, or with the Rector, the General Manager or a member of the University Council;
- to be perfectly aware that the Commission will be appointed by decree of the Rector, published, with the validity of notification, on the online Bulletin Board ("Albo on line") and on the University of Siena website;
- to be perfectly aware that the criteria established by the Commission and the list of eligible applicants, identified by id number, will be published, with the validity of notification, on the online Bulletin Board (Albo on line) and on the University of Siena website;
- to be perfectly aware that the date and the time of the interview will be published, with the validity of notification, on the online Bulletin Board (Albo on line) and on the University of Siena website at least 15 days prior to the set date;
- to be perfectly aware that the Decree of Approval (*Approvazione atti*) will be published, with the validity of notification, on the online Bulletin Board (*Albo on line*) and on the University of Siena website;
- to be perfectly aware that every change of residence and/or contact number and/or e-mail address must be promptly notified to the Planning and Recruiting Office (*Ufficio programmazione e reclutamento*);

It is important to highlight that non-Italian applicants will have to declare to have adequate knowledge of the Italian language.

7. Publications must be submitted in the original language which, if other than Italian, English, French, German and Spanish, must be translated into one of said languages. The translated texts must be submitted as a certified true typed copy as required by current regulations.

8. Documents written in a foreign language other than Italian, English, French, German and Spanish, must be accompanied by an Italian translation, certified as true to the original text by the competent diplomatic or consular representation, or by an official translator.

Art. 4 - EXAMINING COMMISSION

1. The Examining Commission is composed of three full professors (including at least two who are not employed by the University of Siena) belonging to the above-mentioned academic discipline or to an academic discipline in the same above-mentioned academic recruitment field or group of academic recruitment fields .



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2. Prior to the start of the selection, the candidate must declare under his/her own responsibility, pursuant to article 7 of the University Code of Ethics, that he/she does not have a relationship of consanguinity or affinity up to and including the fourth degree with any member of the Committee, and that the Committee does not include his/her spouse or partner or any persons with whom he/she has business relations.
3. Meetings of the Committee, included the interview, must be held in video conferencing, due to the COVID-19 emergency.

Art. 5 - EVALUATION OF QUALIFICATIONS, PUBLIC INTERVIEW AND ORAL EXAM

1. The selection is made by through a preliminary evaluation of candidates and a reasoned analytical judgment of their academic qualifications, curriculum and scientific productivity, including their doctoral thesis, if applicable, based on the criteria and parameters specified in University Ministerial Decree 243 dated 25.05.2011.
2. Following the preliminary evaluation, the top 10 to 20 per cent of the most merit-worthy candidates, and in any case no less than six, will be admitted to a public interview with the Commission concerning their qualifications and scientific work. If only six or less candidates apply, all of them will be admitted to the interview. The interview must be held in video conferencing, due to the COVID-19 emergency.
3. Should the candidates be foreign nationals, they must demonstrate an adequate knowledge of the Italian language during the interview.
4. Following the interview, a score is given to the qualifications and each publication presented by the candidates who have passed the oral exam, according to criteria established in advance by the Commission itself.
5. The Commission writes up a report at the end of each individual meeting.
6. A notice regarding the date of the interview will be published on the Bulletin Board ("Albo on-line") at least fifteen days before it is to take place. This advance notice need not be given if all candidates explicitly agree in writing. The date and the time of the interview will be published, with the validity of notification, on the online Bulletin Board (Albo on line) and on the University of Siena website.
7. Candidates must bring their valid identity document.
8. EU nationals must bring their passport or identity document issued by their country of origin. Candidates from non-EU countries must only bring their passport.

Art. 6 - RANKING LIST AND PROPOSAL OF EMPLOYMENT

Upon completion of the selection procedure, the Commission determines the winner by drawing up a ranking list of eligible candidates. The waiting list will only remain open until the Start date for the selected Junior Research Associate.

ART. 7 - CONTRACT AND ACTIVITIES

1. The successful candidate will be offered a full time three-year contract. The contract can be renewed only once for a two-year period, subject to the availability of financial resources as well as a positive evaluation of the teaching and research carried out. This evaluation will be made in accordance with art. 10 university's regulations concerning fixed-term junior research associates.
2. The University will pay for insurance against accidents and third party liability.



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3. The total annual commitment to teaching, supplementary teaching and student support is equivalent to 350 hours; for the purposes of reporting on the research project, the research, supplementary teaching and student support together are figuratively equal to 1500 each year.

4. In the case of public funding, the contract will be terminated should the funding not be received. The trial period lasts three months.

ART. 8 - INCOMPATIBILITY AND OTHER COMMITMENTS

The research contract is not compatible with the following:

- any other contract of employment with a public or private body;
- research grants from other Universities;
- teaching contracts regulated by the relevant provisions in force;
- doctoral or post-doctoral research grants or, in general, any grant or scholarship for any purpose awarded by the University or any third party.

Art. 9 - PUBLICATION

This call and the summary in English are published on the University's Albo on line, on the web page at the following address: <http://www.unisi.it/ateneo/concorsi>, on the website of the Ministry for Education, University and Research (www.miur.it) and on the European Union portal (<http://ec.europa.eu/euraxess/>).

Date digital signature

The Rector
Francesco Frati

Endorsement
The General Director
Emanuele Fidora

Endorsement
Procedure manager
Clara Pluchino