



Research sector

Decree n. 956

Office for phd and postdoc

### THE RECTOR

- GIVEN** the Statute of the Università degli Studi di Cassino e del Lazio Meridionale issued by D.R. n. 661 of July 26, 2018;
- GIVEN** the Law n. 240 of December 30, 2010 on "Norme in materia di organizzazione delle Università, di personale accademico e reclutamento, nonché delega al Governo per incentivare la qualità e l'efficienza del sistema universitario" and in particular the Art. 22 on "Assegni di ricerca" (Research grants, in the following);
- GIVEN** the D.M. n. 102 of March 09, 2011, setting the minimum annual gross remuneration of a Research grant at € 19.367.00, net of the expenses charged to this Administration;
- GIVEN** the D.R. n. 267 of June 07, 2011, issuing the current Regulations for the assignment of Research grants, modified with D.R. n. 883 December 02, 2019;
- GIVEN** article 14 paragraph 6-septies of D.L no. 36 of April 30, 2022 converted with amendments by Law no. 79 of June 29, 2022, which introduced the research contract to replace the research grants, provided for by article 22 of Law 240 of 2010;
- GIVEN** article 14 paragraph 6-quaterdecies of D.L no. 36 of April 30, 2022 converted with amendments by Law no. 79 of June 29 2022, as amended by article 6 paragraph 1 of the D.L. n. 198 of December 29, 2022, which provided for the possibility of launching procedures for the awarding of research grants until December 31, 2023;
- GIVEN** the resolutions of the Academic Senate and of the Administrative Committee of December 12, 2023 and December 13, 2023 respectively that approve the activation of one Research grant at the Dipartimento di Ingegneria Elettrica e dell'Informazione, of duration of 12 months, titled "Caratterizzazione e studio di markers clinici e di dati di telemonitoraggio finalizzato allo sviluppo di un sistema di intelligenza artificiale per il supporto alla diagnosi della malattia dei corpi di Levy" - SSD:ING-INF/05 (Sistemi di elaborazione delle informazioni), under the scientific responsibility of Prof. Francesco Fontanella;
- CONSIDERED** that the sum needed to finance the grant, amounting to € 25,000.00 gross income, will burden funds of the project PRIN 2022 LBDigital for which is responsible Prof. Francesco Fontanella - CUP: :H53D23005550006 (Preimpegno 5563/2023);

### DECREES

#### Art. 1 - Positions available

A public selective procedure based on qualifications and interview is held at the Università di Cassino e del Lazio Meridionale for the assignment of one Research grant at the Dipartimento di Ingegneria Elettrica e dell'Informazione, indicated in the Annex A, which is an integral part of this Call.



## Art. 2 - Eligibility requirements

To be admitted to the selective procedure, without any limitation of age and citizenship, an applicant must have earned one of the following:

- laurea degree got in Italy under the regulations in effect before the reform of the university teaching autonomy;
- laurea magistrale degree or laurea specialistica degree got in Italy;
- an equivalent university degree got abroad,

The equivalence of the degree diploma and any other qualifications obtained abroad that have not already been recognized in Italy in accordance with current legislation is assessed, for the sole purpose of admission to the selection, by the judging commission referred to in art. 7.

Holding a Ph.D. title is a preferential qualification to the grant assignment.

Permanent staff of Italian Universities, of Astronomical or Astrophysical or Vesuvian Observatories, of public Research Bodies, of ENEA, of ASI, of the National Agency for the New Technologies and, in any case, of the Bodies listed at Art. 22, paragraph 1, of L. 240/2010 cannot be Research grant holders, and thus are automatically excluded from the selective procedure.

According to Art. 18, paragraph 1, lett. b) and c) of L. 240/2010, Research grants cannot be assigned to applicants being relative or in-law, up to the forth degree of kinship included, to the tenure professors of the Department or of the organization where the research is carried out, or to the Rector, or to the General Director, or to a Member of the Administrative Committee. Fulfillment of this condition must be explicitly stated in the application to the selective procedure.

The requirements mentioned above need to hold at the deadline for the application submission fixed in this Call.

Applicants are admitted to the selection procedure with reservation.

The Administration has the right, with justified disposition, to exclude in any moment applicants missing the needed requirements.

## Art. 3 - Application and submission deadline

The application to compete in the public selective procedure, which acts also as self-certification given according to D.P.R. 445/2000, is to be written in Italian or in English, following the form given in the **Annex B** attached to this Call; it must be addressed to the Magnifico Rettore dell'Università degli Studi di Cassino e del Lazio Meridionale - Ufficio Dottorati ed Assegni di Ricerca – Viale dell'Università - Campus Folcara - 03043 Cassino, and needs to be mailed, sent by certified e-mail to the address [dottoratieassegnidiricerca@pec.unicas.it](mailto:dottoratieassegnidiricerca@pec.unicas.it), or, for non-EU candidates, by ordinary email to [c.manzo@unicas.it](mailto:c.manzo@unicas.it), or delivered in person to the Ufficio Protocollo of the University, **within 30 days**, on penalty of exclusion, starting from the publication date of this Call on the Albo Ufficiale (Official Board) of the University. The Call will be also advertised in the Official Board of the interested scientific structures of the University and made accessible via telematic ways on the web sites of the University, of the Ministry and of the European Union.

To assess observance of the submission deadline, it shall be considered:

- *in case of mailing*: the stamp of the Post Office from which the application is sent,
- *in case of shipment by email or PEC*: the date of sending of the email;
- *in case of delivery in person*: the stamp of the Ufficio Protocollo of the University of Cassino e del



Lazio Meridionale.

It is not necessary to authenticate the signature at the foot of the application, however, on penalty of exclusion, (photo)copy of a valid Identification document needs to be attached to the application itself.

The Administration is not responsible for the missing delivery of communications due to a wrong address given by the applicant, neither to a missing or delayed communication of changes in the address specified in the application, neither to postal or telegraphic misdelivery.

#### **Art. 4 - Qualifications and curriculum**

The application must be completed with the following attachments:

- a) laurea degree certificate, with indication of the scores achieved in the single progress examinations and in the laurea examination;
- b) documents and qualifications considered useful to the end of the selection (publications, Ph.D., specialization certificates, certificate of attendance to post-laurea specialization courses, got in Italy or abroad, scholarships or research assignments carried out in Italy or abroad, laurea degree thesis, etc. either in original or in suitably authenticated copy, recommendation letters);
- c) curriculum of the scientific and professional activity;
- d) (photo)copy of a valid identification document;
- e) (photo)copy of the fiscal code, or equivalent for foreign applicants.

The qualifications must be coherent with the scientific/education sector specified in the **Annex A**.

In lieu of the certificates related to the above items a), b) and c), the applicant may attach a self-certification given according to Art. 46 and 76 of D.P.R. 445 of December 28, 2000.

With reference to the publications that he considers useful to the ends of the selective procedure, the applicant should also give a suitable declaration of being them true copies, according to D.P.R. 445/2000

#### **Art. 5 - Selective procedure**

The selective procedure is based on qualifications and interview.

The Committee, as defined in the following Art. 7, in the first meeting specifies the criteria and modality of evaluation of the qualifications and of the interview. Next, the Committee evaluates the curricula and the attached documents, with specific attention to the scientific production of the applicant.

The qualifications are evaluated before starting the interviews.

In any case, with specific reference to coherence with the scientific area chosen by the applicant, subject of evaluation are:

- the Ph.D. title and the achievement of scholarships aimed to research activity;
- specialization certificates and certificates of attendance to post-laurea specialization courses, got in Italy or abroad;
- proven research activity carried out at public or private Bodies under contracts, scholarships and assignments, both in Italy and abroad;
- a scientific and professional curriculum focused on the experience in research activity;
- scientific publications of original and relevant scientific content.

The interview will deal on the overall curriculum of the applicant and on the subjects



specified in **Annex A**, and it will be aimed at assessing his eligibility to develop the research activity.

#### **Art. 6 - Schedule of the examinations**

The interviews will be held on **5 February 2024** at **11.00 am** at the Dipartimento di Ingegneria Elettrica e dell'Informazione, Via G. Di Biasio, Cassino (FR).

The Candidates admitted to the interview must be present without further notice, at the office indicated above, with a valid document.

On the University's instructions, the interviews may take place remotely. In such case, candidates will be notified in advance.

#### **Art. 7- Evaluation Committee**

The Evaluation Committee is appointed by a decree of the Rector, and is composed by staff professors and researchers who represent the relevant scientific areas.

The Committee may include the Responsible of the research project.

If it doesn't bear additional costs to the Administration, the Committee may resort to expert referees of high qualification, Italian or foreign, external to the University.

The Committee elects among its members a President and a Secretary.

#### **Art. 8 - Ranking**

At the end of the examinations, and following a comparative evaluation among the eligible candidates, the Committee writes the minutes that indicate the person awarded of the Research grant, with a resolution taken by majority vote.

The Rector, by a decree, verifies within 30 days from delivery of the minutes the validity of the proceedings and appoints the winner of the selective procedure.

The results of the selective procedure are published on the web page of the University.

#### **Art. 9 - Awarding and starting date**

The awarding of the Research grant is formalized by a contract between the Università degli Studi di Cassino e del Lazio Meridionale and the winner of the grant, which specifies the collaboration to the research activity.

#### **Art. 10 - Amount of the Research grant and terms of payment**

The gross amount of the Research grant is € 25,000.00 including all the expenses to be charged to the Administration.

The grant will be paid in equal-amount monthly rates.

#### **Art. 11 – Obligations and rights**

The Research grant cannot be cumulated to other scholarships whatever the reason of the award, except those of national or foreign institutions aimed to supplement with a stay abroad the research activity of the title of the grant.

The Research grant holder cannot be enrolled to laurea degree, laurea magistrale degree or laurea specialistica degree, master, granted Ph.D. or medical specialization courses, in Italy or abroad.

In case of withdrawal, the Research grant holder must communicate it to the Administration with at least a three-month notice.



A Research grant holder being permanent staff of a public Administration goes in leave without pay.

The Research grant undergoes the fiscal rules specified in Art. 4 of the Law 476/1984, and the welfare rules specified in Art. 2, paragraph 26 and following of the Law 335/1995 and its next modifications.

Compulsory maternity leave undergoes the rules in the Decreto del Ministro del Lavoro e della Previdenza Sociale published on the G.U. n. 247 of October 23, 2007, and sick leave undergoes the rules in Art. 1, paragraph 788 of the Law 296/2006.

#### **Art. 12 - Development of the activity and assessment**

The activity of the Research grant holder is carried out autonomously and without prefixed working hours, in the sole limit of the research program and of the directions given by the Responsible of the research itself. The latter is obliged to duly communicate to the Department and to the competent administrative offices any possible contract breach of the Research grant holder, even aimed to the suspension of the grant payment, unless severity of the breach demands for rescission of the contract.

#### **Art. 13 - Reference regulations**

What is not explicitly specified in the present Call undergoes the regulations published with D.R. n. 267 of June 07, 2011 and modified with D.R. n. 883 of December 02, 2019.

This decree is collected within the internal official repository of the University.

Cassino,

**THE RECTOR**  
**(Prof. Marco DELL'ISOLA)**



**All. A**

**n. 1 research grant for a period of 12 months**

**Venue of the research activity:** Dipartimento di Ingegneria Elettrica e dell'Informazione

**Scientific sector:** ING-INF05 (Sistemi di Elaborazione dell'informazione)

**Research title:** "Study of clinical markers and telemonitoring data for developing an artificial intelligence system to support the diagnosis of Levy body disease"

**OBJECTIVES OF RESEARCH AND PROGRAM OF ACTIVITIES**

The research objectives focus on the problem of developing an artificial intelligence system to support the diagnosis of Levy body disease based on the analysis of clinical markers and telemonitoring data. In particular, the main research goal is to validate artificial intelligence (AI) tools to detect patients with cognitive impairment due to Lewy Body disease compared to matched Alzheimer's disease and normal elderly persons. To this aim, novel approaches will be developed to exploit and combine several sources of information effectively.

**PROGRAM OF THE INTERVIEW**

The interview will be focused on the expertise of the applicant in the field of Python programming and machine learning techniques. A good knowledge of the English language is required.

**DISCIPLINES TO WHICH TO REFER FOR THE TITLES**

The disciplines of the sector ING-INF/05 (Sistemi di Elaborazione dell'informazione)

**Tutor:**

Prof. Francesco FONTANELLA