ROMA
TRE
UNIVERSITÀ DEGLI STUDI

Dipartimento di Matematica e Fisica

Rep. n.: 11/2022 Prot. n. 711/2022
Date: July 25, 2022

The English language version of the call does not have legal value in itself, and thus does not supersede the italian version of the call (BANDO).

The integral version is available at the following links:
http://host.uniroma3.it/uffici/ricerca/assegni-di-ricerca.aspx
http://matematicafisica.uniroma3.it//dipartimento/bandi-e-concorsi/bandi-per-assegni-di-ricerca/

Art.1

Pursuant to the "Regolamento di Ateneo per gli assegni di Ricerca" a public selection process is established to award ONE grant for temporary research fellowship ("*assegno di ricerca*") for a period – renewable – of 12 (twelve) months in the Mathematics and Physics Department:

TITLE OF THE RESEARCH PROGRAMME OF THE ANNUAL GRANT:
The DARKSIDE program for Dark Matter searching
DESCRIPTION OF THE ANNUAL GRANT RESEARCH PROGRAMME:
The research program is based on the collaboration to the DS-20k project within the DARKSIDE program. DS-20k is a detector consisting of a liquid Argon TPC that will be installed at the INFN Gran Sasso National Laboratories. It consists of about 50 tons of active volume which will ensure a sensitivity to measure the WIMP-nucleon cross section down to 10^{-48} cm^2 for WIMP of mass of about 1 TeV.
APPLICATION PROFILE:
Candidates must have earned a master's degree in Physics, or Informatics, or Informatic Engineering, or Electronic Engineering. The candidate will be involved in testing prototype parts of the DS-20k detector and in developing SW for the DARKSIDE program
The examination will be based on Skype
GROSS AMOUNT (paid in monthly installments): **€ 25.000,00 comprehensive of all fees due by the Administration.**

The allowances is subjected to:
- the provisions of the article 4 of Law 13/08/1984, n. 476 (fiscal treatment);
- the provisions of article 2, paragraphs 26 and following, of the law 08/08/1995, n. 335, as further amended (social security);
- the provided in article 1, paragraph 788 of Law 27/12/2006, n. 296, as further amended (sick leave);
- the provisions of the Decree of the Minister of Labour and Social Welfare 12/07/2007, published in the Official Gazette no. 247 of 23/10/2007 (maternity).

Apart from the cases provided for and regulated by the above provisions, it is possible to suspend the research activity for a pre-determined number of months. Suspensions are given by the Board of the Department; at the end of the suspension the "*assegno di ricerca*" will resume or will be permanently stopped.

In all cases of suspension the payment is immediately interrupted until the date of resumption of the activities, certified by the Head of the Department.

In the case of anticipate conclusion of the research activity, the monthly installment will be paid proportionally.

Art. 2

To participate in the selection it is mandatory to have gained:

- a Master's Degree in Physics, or Informatics, or Informatic Engineering, or Electronic Engineering;
    1. a copy of the degree with a list of the exams taken;
    2. (if the degree is not in English or in Italian) a translation of the degree in English or in Italian (if the translation is not authenticated by an official translator as provided by the law, a self-declaration stating the compliance of the translation to the original should be included as well)
- a proven scientific and professional curriculum suitable for carrying out the research activity for which the applicant is competing, possibly certified by the possession of additional research training qualifications or documented and suitable experience for research activity already carried out.

The candidate must possess the required qualification within the deadline specified in paragraph 3, under penalty of exclusion.

Art. 3

The signed and dated application form, compiled following the scheme available at the end of this Call (**ANNEX A**) must be addressed to the **Mathematics and Physics Department of Roma Tre University – Research Area**

- by ordinary e-mail to the address: amm.matematicafisica@uniroma3.it attaching a copy of a valid identity document

MUST BE SUBMITTED within the final deadline of September 9, 2022; otherwise the applicant will be excluded.

Application must include:

- **Appropriate scientific and professional curriculum demonstrating aptitude for research activities;**
- **self declaration for the Degrees (ANNEX B) and a copy thereof, if they have been obtained abroad;**
- (if any) **list of other titles and or previous scientific publications (ANNEX C).**

Art. 4

The Committee will define the criteria of the selection before proceeding with the evaluation.

Art. 5

1. The research grant cannot be awarded to students enrolled in undergraduate, Master, Ph.D. or medical specialization in Italy or abroad, and involves placement on unpaid leave or employee with public administration other than those referred to in point .3 below.
2. Participation in the selection is not allowed for spouses, relatives and akin up to and including the 4th degree of the:
- Teaching staff of the Department which has issued this notice;
- Rector;
- General Director;
- Members of the Board Directors.
3. Permanent employees of Universities, Research Institutes or public bodies, the National Institute for New Technologies, Energy and Sustainable Economic Development (ENEA), the Italian Space Agency (ASI) and institutions whose scientific specialization qualification have been recognized as equivalent to a Ph.D pursuant paragraph, of Presidential Decree no. 382 of July 1980, cannot participate in the selection.

4. The research grant cannot be combined with any scholarships, except those awarded by national or foreign institutes to supplement research activities of said temporary research fellows with permanence abroad.
5. The grant for carrying out research activities is governed by a specific individual contract, based on the following criteria: flexibility in meeting the needs of the activity, continuity, time allocation (not sporadic), coordination with the overall activities of the Department, close relationship with the implementation of a research program, autonomous activity within the scope of the program and absence of pre-determined working hours.

Art. 6

For all matters not included here we refer to the laws and rules regarding the "assegni di ricerca" The University rules concerning the "assegni di ricerca" can be found at the link:

http://host.uniroma3.it/uffici/ricerca/.

Roma, July 25, 2022

Rep. N.11/2022

Head of Mathematics and Physics Department of Roma Tre University
Signed   *Prof. Roberto Raimondi*

This document complies with the original kept in the archives of the Department

APPLICATION FORM

Head of Mathematics and Physics Department of Roma Tre University

The undersigned(name and surname) .... born

in....................................(.......)

date..................., place of residence.. (..........) post code ……..

C. F. (fiscal code)…………………………………………..

address for the competion:

town…..(state.....) Street ………..Post Code.............

Telephone number .... Mobile Phone . …………………………

E-mail …………………………………………………..

ASKS

to participate in the competition for the assignment of the grant for the research program titled

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"The DARKSIDE program for Dark Matter searching"

Rep. n. 11/2022 Prot. n. 711/2022   which will take place in the **Mathematics and Physics Department**

DECLARE UNDER ITS RESPONSIBILITY:

1) Citizenship...;

2) declares to have obtained the degree in.. and obtained in date ....

at the University of.. with the grade of ….................................;

3) declares to have obtained the PhD in..

obtained in date ...., at the University of ....;

4) To not receive any kind of other scholarships with the exception of those which are usefull to integrate, with trip abroad, the research activity. Or to give up the above scholarship if win the contest.

5) To not have received L.240/2010 research grants for a total period of more than 60 months.

6) To not be an official at the Universities , Astronomical Observatories , Astrophysical and Vesuvian , public bodies and institutions of research in art. 8 of D.P.C.M. 12/30/93 , 593 and subsequent amendments and supplements, ENEA and ASI.

7) To not have a degree of consanguinity or affinity up to the fourth degree , with a professor at the Department in which the research grantwill be carried out, and even with the Rector, the General Manager or a member of the Board of Governors.

8) To be aware of all the rules contained in the announcement.

9) To undertake to inform the University of any changes of their residence or address.

Attached:

☐ Personal declaration of graduation, indicating the title of the thesis discussed and the final mark. In the case of degree obtained abroad the title of the appropriate equivalence must be accompanied or to be submitted to the Department Council for recognizing the sole purpose insolvency - ANNEX B ;

☐ Declaration attesting the possession of a PhD; in the case of PhD obtained abroad the title of the appropriate equivalence must be accompanied or to be submitted to the Department Council for recognizing the sole purpose insolvency - ANNEX B ;

☐ Copies of publications and any other qualifications useful for the assessment of the Commission ;

☐ Detailed scientific and professional curriculum showing the suitability of the research activity to be carried out.

I authorize the Roma Tre University to the processing of personal data , in accordance with law . n . 196 of 30/06/03 .

Date,   _____   _____

(original signature)

| ANNEX B |

DECLARATION SUBSTITUTE FOR CERTIFICATE PREPARED IN SIMPLE PAPER
(DPR 28/12/2000, n° 445 *"Testo Unico delle disposizioni legislative e regolamentari in materia di documentazione amministrativa*)

The undersigned.. (C. F. fiscal number…………..)

born in... in date...................................., address...

.... telephone number ...., mobile phone ....,

e-mail …………………………………………………………………… aware that false declarations are punishable under the Criminal Code and other rules in force

DECLARE

1b. **Please fill in this box if you obtained the degree from a non Italian University**

declares to have obtained the degree in

_____

obtained in date_____/_____/_____ at the University of_____

Faculty of_____, with the grade of_____/_____

Please fill in this part only if you have already obtained a PhD

(optional)

2.   declares to have obtained the PhD in..,

at the University of ....,

the PhD defense took place in date …………………………………………….

the title of the PhD thesis is: ....

I authorize the Roma Tre University to the processing of personal data , in accordance with law . n . 196 of 30/06/03 .

Date,   _____   _____

(original signature)

Please attach a copy of an identification document, for example your passport

ANNEX C

DECLARATION SUBSTITUTE FOR CERTIFICATE PREPARED IN SIMPLE PAPER
(**DPR 28/12/2000, n° 445** *"Testo Unico delle disposizioni legislative e regolamentari in materia di documentazione amministrativa"*)

The undersigned.. (fiscal number …………..)

born in.. (.....) in date....................................., address... (.....)

Street ...., telephone number ...., Mobile phone . ...,

e-mail ………………………………………………………………… aware that false declarations are punishable under

the Criminal Code and other rules in force

(DECLARES THAT ALL THE COPIES OF THE TITLES, OF THE PUBLICATIONS, AND ANY OTHER QUALIFICATIONS ATTACHED TO THIS APPLICATION FORM ARE FULLY COMPLIANT WITH ORIGINAL.)

I authorize the Roma Tre University to the processing of personal data , in accordance with law . n . 196 of 30/06/03 .

Date,   _____   _____

(original signature)