



Determina n. 3/2017

*Selection procedure based on qualifications and possibly an interview for a scholarship (Borsa di Studio) as part of the **European Space Agency Mission "Euclid"***

THE DIRECTOR OF THE "OSSERVATORIO ASTRONOMICO DI BRERA"

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| Taking into account | the "Decreto Legislativo 23 luglio 1999, n. 296" instituting the "Istituto Nazionale di Astrofisica (INAF)"; |
| Taking into account | the "Decreto Legislativo 4 giugno 2003, n. 138" reorganizing the "Istituto Nazionale di Astrofisica (INAF)"; |
| Taking into account | the INAF Statute, approved on 7 March 2011, and effective as of 1 May 2011; |
| Taking into account | the INAF "Disciplinare di organizzazione e funzionamento dell'INAF" as of 03 May 2012; |
| Taking into account | the INAF "Regolamento sull'amministrazione, sulla contabilità e sull'attività contrattuale" as of 24 Oct 2004; |
| Given | that the funding of the research fellowship will be guaranteed by the EUCLID project (funzione obiettivo 1.05.04.37.04) |

DETERMINE

Art. 1

A selection based on titles and qualifications, possibly integrated by an interview, is open to award a 7-month scholarship (Borsa di Studio) entitled **"Optimisation of the Euclid spectroscopic survey: impact of systematic biases on measurements of the growth of structure from redshift-space distortions"** at INAF-Astronomical Observatory of Brera (Merate and Milan).

One of the two main goals of the Euclid mission is the measurement to exquisite precision of galaxy clustering at different redshifts. The goal is to extract both the amplitude and relative importance of density fluctuations at different scales, together with their anisotropy produced in redshift space by galaxy peculiar velocities. These are key diagnostics of the dark sector.

The scholarship holder will contribute to the research being carried out by the Milan Euclid group led by Prof. Luigi Guzzo, exploring in particular the impact of redshift errors and other selection effects on the measured values of the growth rate of structure.

Art. 2

The scholarship is expected to cover 6,5 months starting from January 1st, 2018.

The gross total amount for this position will be 13,000.00 (Thirteen thousands) Euro. This amount is net of burdens to be charged to INAF/OA-Brera and will be paid in deferred monthly installments.

The above-stated amount does not include costs incurred for travelling within Italy or abroad for research purposes.

The winner of the scholarship, moreover, must get a health insurance if not already covered by the National Health System according to law n.833/78.

With regards to fiscal duties, the current rules of the sector apply.

The scholarship can not be combined with other checks and grants of a similar nature; besides, it is not a contract of employment and does not give any right to access permanent positions at INAF.

Art. 3

Applicants must fulfill the following requirements in order to be eligible for the scholarship:

- PhD in Astrophysics or in an equivalent sector,
- Acquired expertise during the PhD thesis work on measuring and modeling clustering and redshift-space distortions in galaxy surveys.

Further, the following aspects will be considered as an asset:

- Good command of the English language.
- Previous experience in the same or in a similar field.

Art. 4

Applications should be sent **in electronic form** to the attention of Mr. Luca Ciarfaglia and in cc to Dr. Luigi Guzzo at the following addresses: luca.ciarfaglia@brera.inaf.it and luigi.guzzo@brera.inaf.it. Only applications received **by November 20th, 2017** will be taken into full consideration. **Please quote reference " Optimisation of the Euclid spectroscopic survey: impact of systematic biases on measurements of the growth of structure from redshift-space distortions".**

The date of the email submission will be the one considered valid. Any incomplete applications or any applications submitted after the deadline will not be taken into account.

A printed copy of the application, duly signed, shall also be sent by regular mail at the following address **by November 20th, 2017: INAF-Osservatorio Astronomico di Brera- Via Brera 28- 20121 Milano- Italy.**

The applicant must state clearly and precisely in the application form, under his/her own responsibility:

- name(s) and surname, date and place of birth, nationality, place of residence and address for correspondence (inserting also phone number, fax or email);
- date and University in which the PhD was/will be obtained;
- whether he/she is receiving other funds or other scholarships and, if so, detail their amount and duration.

The applicant should send the following documents:

- A Curriculum Vitae, **signed and dated**;
- A description of the research activities carried out so far;
- A list of publications.

The applicant can also arrange to have one letter of reference by scientists familiar with his/her University studies and previous work experience, sent directly to the same e-mail address always by the same deadline.

Art. 5

I.N.A.F. - Istituto Nazionale di Astrofisica

Sede Legale - Viale del Parco Mellini, 84 00136 ROMA - Codice Fiscale 97220210583 P.Iva 06895721006

Osservatorio Astronomico di Brera

Via Brera, 28 - 20121 MILANO -Telefono +39 02 72320300 - Fax +39 02 72001600

Via E. Bianchi, 46 - 23807 MERATE -Telefono +39 0272320500- Fax +39 0272320601

The selection will be performed by a Selection Committee appointed by the Director of INAF/OA Brera and is composed of three members, including the scientist in charge of the project. The selection is based on qualifications, possibly integrated by an interview. Applicants selected for the interview will be summoned with 7 days notice by letter or telegram or email.

The committee will then proceed to select a winner, also drawing up a list of suitable candidates.

Art. 6

The winner will receive notification of the awarding of the scholarship by e-mail, letter or telegram. Within a deadline of seven days from the date of the its receipt, he/she must submit a statement to OAB of unconditional acceptance of the terms indicated in the call, otherwise he/she can lose the right to the scholarship. In case the acceptance is not submitted, or the scholarship refused, the Committee will offer it to the next candidate, following the order of the list.

Art. 7

The present call will be published on the INAF/OA Brera websites and on the INAF network. Moreover, it will be sent to the research institutes of the sector.

<http://www.inaf.it>

<http://www.brera.inaf.it>

Art. 8

For all that is not explicitly mentioned in this announcement, retain valid the provisions on the management of job announcements included in the Testo Unico 01.10.1957, n. 3, in the Presidential Decree 03.05.1957 and subsequent additions and modifications, DPR 9.5.1994, n. 487 and subsequent additions and amendments.

Art. 9

With regards to the requirements stated by the Law 675/96, we inform that the Brera Astronomical Observatory is committed to respecting the confidentiality of information provided by the candidates: all the provided details will be used only for purposes related to the competition and the possible interactions with INAF, in compliance with the current regulations.

Milan, 24/10/2017

The Director
(Dr. Gianpiero Tagliaferri)

ANNEX 1: APPLICATION FORM

INAF – Osservatorio Astronomico di Brera
Via Brera 28
20121 Milan
ITALY

I, THE UNDERSIGNED,
(Forename(s))..... (Surname).....
Place of birth (Town/State).....
Date of birth (dd/mm/yy)
Nationality
Permanent residence address (number/street/town/postal code/Country):
.....
Email address:
agree to the processing of my personal data, in accordance with Italian Leg. Decree n. 196/2003, for the purposes of the present selection procedure.

I, THE UNDERSIGNED,
having read the Call for applications for a “Borsa di Studio” (scholarship) entitled: **"Optimisation of the Euclid spectroscopic survey: impact of systematic biases on measurements of the growth of structure from redshift-space distortions"**.

DECLARE
under my own responsibility that:

☐ I'm a.....citizen
☐ I still have my political and civil rights
☐ I have fulfilled the military service (if appropriate)
☐ I haven't got any criminal convictions, nor am I subject to criminal proceedings
☐ I hold a PhD degree in
 awarded by or to be awarded by..... on

☐ I currently have the following financial support/scholarship (indicate duration, amount and institute)

To be attached to this form:

- **Curriculum vitae, signed and dated by the applicant;**
- **Description of research activities;**
- **List of publications.**

The Undersigned declares his/her consensus for his/her personal data to be treated respecting the Italian Law “Decreto Legislativo” n. 196/2003 and subsequent modifications and integrations, in order to fulfil the procedures necessary for the present Call.

The undersigned wishes to receive the notifications related to this selection at the following address (please detail also phone number, fax and email):

.....

Date

Signature
