



Istituto Nazionale di Astrofisica
OSSERVATORIO ASTRONOMICO
DI BRERA



D.D. n. 44/15

Selection procedure based on qualifications and possibly an interview for a scholarship (Borsa di Studio) as part of the ERC Advanced Research Grant project **“DARKLIGHT: Illuminating Dark Energy with the Next Generation of Cosmological Redshift Surveys”**.

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 | the financial backing of the scholarship granted by the ERC Darklight project (PI Dr. Luigi Guzzo) |

DECREES

Art. 1

A selection based on titles and qualifications, possibly integrated by an interview, is open to award a 4-month scholarship (Borsa di Studio) entitled **“Darklight: Modelling galaxy clustering and its effects on the Cosmic Microwave Background”** at INAF-Astronomical Observatory of Brera (Merate).

DARKLIGHT is a cosmology program funded by a 5-year ERC Advanced Grant awarded to Dr. Luigi Guzzo. The overall program aims at improving techniques to extract cosmological information from galaxy redshift surveys, focusing on redshift-space distortions and their combination with other probes of large-scale structure.

The successful applicant will perform research in collaboration with Dr. Luigi Guzzo and the other members of the ERC-funded DARKLIGHT program in Merate. The research work will be focused on: models of galaxy clustering; the interaction between the Cosmic Microwave Background and the Large Scale Structure; Gravitational Lensing.

Art. 2

The scholarship is expected to cover four months starting from December 1st, 2015. It can be further extended in agreement with the Scientific Supervisor and upon the availability of funding.

The gross total amount for this position will be **5,400.00 (Five thousand, four hundred) 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 doesn't include costs incurred while travelling in 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 degree, obtained or to be obtained by December 31st, 2015.

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 5th, 2015** will be taken into full consideration. **Please quote reference "Scholarship application: Darklight - Modelling galaxy clustering and its effects on the Cosmic Microwave Background" as the subject of the email and of all correspondence.**

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 5th, 2015: **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.

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 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

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, which will be posted on the official INAF - Brera Astronomical Observatory bulletin board, both in Milan and in Merate.

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 posted on the bulletin board.

Art. 7

The present call will be published on the INAF/OA Brera websites, on the official bulletin board of the OAB, both in Milan and in Merate 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, 6/10/2015.

The Director
(Dr. Gianpiero Tagliaferri)

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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: **“Darklight: Modelling galaxy clustering and its effects on the Cosmic Microwave Background”**.

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 fulfill 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
