



A.F. 2013

D.D. n. 40

Selection procedure based on qualification or qualification and interview for one postdoctoral research fellowship (Assegno di Ricerca Tipologia A POST-DOC) as part of the project: "Feedback processes in the epoch of AGN-galaxy coevolution", jointly funded by INAF/ASI and DIFA/UNIBO.

THE DIRECTOR

- Taking into account** the Decreto Legislativo 4 giugno 2003, n. 138 - Riordino dell'Istituto Nazionale di Astrofisica (INAF) published on G. U. n.140, 19 June 2003;
- Taking into account** the Decreto Legislativo 31 dicembre 2009, n. 213 - Riordino degli Enti di Ricerca in attuazione dell'art. 1 della Legge 27 settembre 2007, n. 165;
- Taking into account** Italian Law n. 240, 30 Dec 2010, of which art. 22 in particular;
- Taking into account** the INAF Statute, approved on 7 March, 2011, and effective as of 1 May 2011;
- Taking into account** the INAF "Regolamento di organizzazione e funzionamento" approved on 21 June, 2012, and effective as of 23 July 2012;
- Taking into account** the INAF "Regolamento sull'amministrazione, sulla contabilità e sull'attività contrattuale" as of 24 Oct 2004;
- Taking into account** the INAF "Personnel Rules and Regulations" published on G. U. n. 300, 23 December 2003;
- Taking into account** the INAF Regulations for the awarding of research fellowships approved by the administrative Council on 22 June 2011, Resolution n. 06/11 and subsequent amendments;
- Given** the financial coverage of the fellowship's first year by the use of funds CRA 1.05.04.18.04: I/005/11/0 (Herschel phase E) on chapter 1.05.08 "Borse di studio e assegni di ricerca" of INAF budget for year 2013 – cost center 1.05 (Bologna), under the supervision of Dr. Carlotta Gruppioni;
- Given** the successful outcome of the FP7 Career Integration Grant (CIG) Marie Curie Action proposal n. 321913 "eEASy: Supermassive Black Hole evolution through cosmic time: from current surveys to eROSITA and Euclid AGN synergies", submitted by Dr. Marcella Brusa to the 7th Framework Program Call for Proposals FP7-PEOPLE-2012-CIG, and hosted by Dipartimento di Fisica e Astronomia, Università' di Bologna (DIFA-UNIBO);
- Considering** the obligation of the CIG "beneficiary", namely DIFA-UNIBO, to ensure the necessary scientific autonomy to Dr. M. Brusa in particular as regards the selection of other team members, hosted and engaged by the beneficiary or other legal entities, in line with profiles needed to conduct the research, including the appropriate advertisement;
- Taking into account** the agreement between INAF-OABo and DIFA-UNIBO on the transfer of the fundings from DIFA to INAF;
- Taking into account** the INAF Regulations for the awarding of research fellowships approved by the administrative Council on 22 June 2011, Resolution n. 06/11 and subsequent amendments;



DECREEES

Art. 1 - Research project

A selection based on titles and qualification or qualification and interview is open to award one research fellowship, "Assegno di Ricerca – Tipologia A POST-DOC", entitled "Feedback processes in the epoch of AGN-galaxy coevolution".

The research program will be co-funded by the Italian Space Agency (ASI) through the ASI-INAF agreement (responsible: Dr. Carlotta Gruppioni) and a 4-year CIG Marie Curie Action (responsible: Dr. Marcella Brusa). The overall program aims at studying the interplay of star formation and accretion processes in the epoch of galaxy and AGN co-evolution, by exploiting the multi-wavelength extragalactic surveys with deep Herschel data available within the PACS/PEP collaboration. Specific goals of the project are:

- Characterizing the host galaxies properties of star forming systems and AGN;
- Characterizing the effects of AGN feedback, and its manifestation in the NIR, FIR and submm wavebands

During the first year, part of the activity of the successful candidate will be devoted to support PACS data analysis in the framework of the Instrument Control Center (ICC).

Art. 2 - Requirements

Applicants must fulfill the following requirements, under threat of being excluded, in order to participate in the selection:

- PhD degree in Physics or Astronomy issued by an Italian (or foreign) Advanced Studies Institute or University, and obtained no more than 8 years before the deadline for the application submission; alternatively, at least three (3) years of experience after the master degree.

Preferential qualification will be considered such as a significant and documented experience in: analysis and modeling of multi-wavelength photometry from UV to FIR; optical and NIR spectroscopy data analysis and reduction; data analysis, reduction and modeling of submm/mm data.

A good level of the English language is required.

Art. 3 - Application procedure

Applications (Annex 1) should come to the attention of the Director of INAF-Osservatorio Astronomico di Bologna, Via Ranzani n. 1, 40127 Bologna - signed and dated by the applicants and with all the requested documents enclosed - not later than midday of October 22, 2013, in one of the following ways:

- either directly (by hand) to the competent office of INAF-Osservatorio Astronomico di Bologna;
- or by authorized courier;
- or by registered mail with proof of receipt;
- or in electronic form (PDF) at the certified e-mail address: inafoabologna@pcert.postecert.it. Only applications sent by e-mail not later than midday of October 22, 2013 will be given full consideration. Please quote reference " PEP/CIG Postdoctoral Fellowship" on all correspondence.

A. 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;
- that he/she satisfies all the requirements described in article 2 of this Call;
- that he/she is aware of and is not ineligible under any of the restrictions described in article 4 of this Call.

The lack of any of the above mentioned declarations will determine the exclusion from the selection procedure for incomplete application.

B. The applicant should send the following documents:

- (1) Complete Application Form, as provided in attachment to this announcement (Annex 1);
- (2) Curriculum vitae, signed and dated by the applicant, detailing on past experience on the subject of this fellowship and including the full publications records;
- (3) Statement of research interests and qualifications;
- (4) List of publications relevant to the topic of the research project;
- (5) Copy of a valid identity document (ID card or passport);
- (6) CV Declaration (Annex 2).

C. The applicant should also arrange to have two letters of reference by scientists familiar with his/her work, sent directly to the e-mail addresses: carlotta.gruppioni@oabo.inaf.it and marcella.brusa3@unibo.it.

INAF accepts no responsibility for the loss of applications or documents, where due to the applicant having provided incorrect contact details or having failed or delayed in notifying changes of these details, or to problems with postal delivery not due to INAF.

Art. 4 - Ineligibility and incompatibility with other funding

The Research fellowship cannot be held either by INAF employees holding both permanent and non-permanent contracts, nor by regular employees of Institutes listed in article 22, paragraph 1 of Italian Law n. 240/2010. Fellowship holders are not allowed to enroll in a “Laurea Specialistica”, or “Laurea Magistrale” (Master Level) degrees, or to enter a PhD program covered by a separate fellowship. For employees of the Italian Public Administration, a compulsory unpaid leave of absence is foreseen.

The fellowship cannot be held contemporarily with other fellowships of whatever kind, except those awarded with the aim of integrating the training or research activity of the fellowship holder through a period spent abroad. Aggregation of income from working activities, also part-time, carried out continuously is not accepted. Instead, limited self-employed occasional work is compatible with the fellowship, only if this is not prejudicial to the research activity carried out for INAF. This must be authorized in advance by the Director of INAF/OA-Bologna, where most part of the research activity is carried out.

When formally accepting the fellowship, the successful candidate will issue a declaration of absence of inadmissible cumulating of fellowships/fellowships.

Retired persons are not eligible for Research fellowship.



Also excluded from participation are persons who have carried out Research fellowships under article 22 of Italian Law 240/2010 for a total period exceeding four years, including extensions, but excluding the periods in which the fellowship has been held in coincidence with Doctoral studies up to the maximum legal time limit of the course and excluding periods of maternity leave or sick leave, in accordance with current legislation.

Art. 5 - Duration of the Research fellowship

The Research fellowship is awarded for 12 months and will be extended for a total duration of 2 years, upon positive assessment by the supervisors of the research project.

Art. 6 - Host Institution

The fellow will carry out the research jointly at the INAF Osservatorio Astronomico di Bologna and DIFA – Università di Bologna, e.g. the host institutions of the ASI/INAF and CIG grants. The two institutes share the same office spaces.

Art. 7 - Salary

The gross yearly salary for this position will be 32.000,00 (Thirty-two-thousand/00) Euro.

This amount is net of burdens to be charged to INAF/OA-Bologna and will be paid in deferred monthly installments.

Applicable fiscal rules are the provisions of art. n. 4 of Italian law n. 476/1984 and subsequent modifications and integrations. Applicable social security rules are art. n. 2, paragraph 26 and following paragraphs of the Italian Law n. 335/1995 and subsequent modifications and integrations. Applicable rules for obligatory maternity leave are provided in the Decree of the Italian Ministry of Labour and Social Security dated 12 July 2007, published in the "Gazzetta Ufficiale" n. 247, October 23rd 2007. Applicable rules for sick leave are provided by art. n. 1, paragraph n. 788 of Italian law n. 296, December 27 2006, and subsequent modifications.

During the period of obligatory maternity leave, the allowance paid by INPS (Italian National Institute for Social Security) according to art. n. 5 of the above Decree dated 12 July 2007 is supplemented by INAF up to the total amount of the fellowship. The period of obligatory maternity leave will not contribute to the duration of the fellowship foreseen by the contract.

Art. 8 - Selection Committee and selection procedure

The selection will be performed by a Selection Committee appointed by the Director of INAF/OABO and is composed of three members, including the scientists in charge of the project. The selection is based on qualification or qualification integrated by an interview. The Selection Committee can establish a short list of the eligible applicants to be interviewed, on the basis of titles and qualification and documented experience in the scientific or technological activities on the specific subject of the research fellowship. If approved by all members of the Committee, the interviews can be performed via videoconference, to ease the procedure for foreign candidate and reduce costs. Applicants selected for the interview will be summoned with 15 days notice.

The total ranking score is 100 points: a maximum of 70 for titles and qualifications (with a minimum of 50), and a maximum of 30 for the interview. At the conclusion of the selection procedure the Selection Committee will produce a ranked list.

The ranked list and/or the approval decree of the selection procedure will be published on INAF/OABO web site: <http://www.bo.astro.it/>.

Art. 9 - Awarding of the fellowship

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Osservatorio Astronomico di Bologna

Via Ranzani, 1 I-40127 Bologna, Italy Tel.: +39 051 2095701 Fax: +39 051 2095700



The highest-ranked candidate will receive a written notification with an offer of the research fellowship, which will be anticipated by e-mail to assure a speedy process. Within 10 days from receipt of the formal notification of the award she/he must provide a formal declaration of acceptance of the fellowship, or of withdrawal. The declaration can also be anticipated by electronic mail. In case no declaration is received, the candidate is considered as withdrawn and thus excluded. The committee can then move down the ranking and repeat the procedure with the second-ranked candidate, and so on, until the fellowship is accepted.

Under no circumstances the signing of the contract starts a subordinate employment relationship or ensures any rights to access to permanent INAF staff positions.

Art. 10 - Starting date and fellowship obligations

The contract is expected to start not later than December 2013. The holder of the fellowship:

- will start the research activity on due date, as for the contract with INAF/OA-Bologna, unless prevented by force majeure or exceptional circumstances, of which the Director of INAF - Bologna must be timely informed;
- will carry out her/his research activities under the supervision of the Principal Investigators of the project, Dr. Marcella Brusa and Dr. Carlotta Gruppioni, who will also monitor the fellow's progress;
- is required to issue periodical activity reports as established in the contract. The activity reports will be subject to approval by the project supervisor. Approval failing, duly justified by the supervisor, will give INAF – OA Bologna the right to terminate the contract;
- is required to send a written note in case of withdrawal, with at least 30 days notice, otherwise INAF/OA-Bologna will be entitled to retain or request the reimbursement of the salary amount corresponding to the notice time-span she/he has failed to send.

The holder of the fellowship who fails in carrying out her/his regular research activity, without producing justified reasons or lacks repeatedly to fulfill requirements or, according to the evaluation of the scientist in charge, eventually shows evident lack of skills at the planned research activities, will incur in the termination of the contract.

Temporary suspensions of the research fellowship are due in case of obligatory maternity leave or in case of illness lasting longer than one month or to any other serious reason. The reasons for suspending the research fellowship must be proved and certified, and promptly sent to the Director of INAF/OA-Bologna.

Art. 11 - Personal Data

In accordance with art. 13, paragraph 1 of the Italian Legislative Decree n. 196/2003 and subsequent modifications, personal data provided by the candidates will be used exclusively for the purposes of this selection. Candidates wishing to obtain further information, or to exercise their rights under art. 7 of the above mentioned Legislative Decree, may contact the Responsible for the administration of this call.

Art. 12 - Responsible Employee

The Responsible Person for this Job announcement processing is Dr. Carlotta Gruppioni.

Art. 13 - Applicable regulation



**ISTITUTO NAZIONALE DI ASTROFISICA
NATIONAL INSTITUTE FOR ASTROPHYSICS**

OSSERVATORIO ASTRONOMICO DI BOLOGNA



INAF/OA-Bologna shall abide by provisions in force promoting equal opportunities for women and men, non-discrimination and respect of privacy in processing personal data.

For what not explicitly mentioned in this announcement, INAF/OA-Bologna shall act in compliance with the regulations in force concerning Italian public selection procedures, when applicable by analogy.

The present call will also be published, according with art. 8 of INAF rules and regulations on "Assegni di Ricerca", on the INAF/OA-Bologna website:

<http://www.bo.astro.it/>

on the INAF website:

<http://www.inaf.it>

and on the University of Bologna, DIFA website:

<http://www.fisica-astronomia.unibo.it/it>.

Bologna, September 24, 2013

The Director
Dr. Giovanni ZAMORANI

