

Decreto n. 51

Anno 2016

*Selection procedure based on qualification and possible interview for the awarding of one fellowship entitled: “**Observations and modelling of the solar flares’ chromosphere**”*

**THE DIRECTOR OF INAF ASTROPHYSICAL OBSERVATORY OF ARCETRI**

<b>Having seen</b>	the Statute of the Istituto Nazionale di Astrofisica (INAF), adopted by INAF Administrative Council on 7 March 2011 and entered into force on 1 May 2011;
<b>having seen</b>	the DL 213 dated 31 December 2009;
<b>considering</b>	the request, prot. no. 834/2016/III/5 dated June 30 <sup>th</sup> , 2016 to issue an announcement of competition for the award of a fellowship regarding “ <b>Observations and modelling of the solar flares’ chromosphere</b> ” under the responsibility of Dr. Gianna Cauzzi (Ricercatore Astronomo) at INAF – Osservatorio Astrofisico di Arcetri- Largo Enrico Fermi, 5 – 50125 Firenze;
<b>given</b>	the availability of finance provided by cap. 1.01.01.01.010 CUP: C18C13000290006 Ob. Fu. 1.05.02.94 (FP7-FCHROMA; ref.: G. Cauzzi)

**DECREES****Art. 1 – Research project**

A selection based on titles and qualifications, with the possibility of an interview is open to award one fellowship funded by the project F-CHROMA, cap. 1.01.01.01.010 Ob. Fu. 1.05.02.94 (FP7-FCHROMA; ref.: G. Cauzzi) CUP C18C13000290006.

The fellowship is titled “**Observations and modelling of the solar flares’ chromosphere**”.

The selected candidate is expected to work on the signatures of flares in the solar chromosphere, within the context of the EU FP7 project F-CHROMA (Grant agreement n. 606862). He/she will be analysing data on various solar flares of different energetic relevance (from C- to X-class flares) obtained with state-of-the-art multi wavelength instrumentation such as IRIS, SDO, Fermi, as well as ground based telescopes. The results will be compared to currently available radiative-hydrodynamical flare models developed within the F-CHROMA consortium, such as RADYN and/or Flarix.

The successful applicants will perform research at INAF- Osservatorio Astrofisico di Arcetri under the supervision of Dr. Gianna Cauzzi.

### Art. 2 – Requirements

In order to participate in the selection, applicants must possess, under penalty of exclusion, the following requirements:

- Ph.D or equivalent degree in Physics, Astronomy, or Astrophysics.
- At least 2 years of research experience after completion of PhD.
- Expertise in analysis of UV imaging and spectra, as well as knowledge of physical processes operating during solar flares.
- A good knowledge of the English language.

The following knowledge, skills and experience will be considered as preferential qualifications:

- knowledge of Fortran programming language, and IDL data processing, including the SolarSoft package;
- independent and collaborative research skills.

### Art. 3 – Application procedure

Applications must be submitted in English as closed envelope by “Raccomandata A/R”, authorized carrier (ex. DHL, FedEx, UPS, etc.) or, in person, to the Protocol Office of INAF-Osservatorio Astrofisico di Arcetri, Largo Enrico Fermi 5, 50125 Firenze (ITALY). Alternatively, the application can be submitted using PEC (Posta Elettronica Certificata: **no** ordinary e-mail) to the following PEC address: [inafoarcetri@pcert.postecert.it](mailto:inafoarcetri@pcert.postecert.it).

Applications are to be submitted by and not after **July 25, 2016**. Late submissions will not be considered.

Applications that are not consistent with the attached forms (Annexes 1, 2) or without the applicant’s signatures will be excluded from the selection procedure.

The application must report on the envelope or the PEC (Posta Elettronica Certificata) the subject **“Observations and modelling of the solar flares’ chromosphere Fellowship position at INAF-Arcetri – DD. n. 51/2016.”**

Aware that false declarations are punishable by law and that the Administration will carry out random checks on their accuracy the applicant must state clearly and precisely in the application, under his/her own responsibility:



- name(s) and surname, date and place of birth, nationality, place of residence and address for correspondence;
- that s/he satisfies all the requirements described in article 2 of this Call;
- that s/he 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.**

For selection purposes the applicants:

- shall directly state any academic qualifications in the application form (Annex 1);
- EU citizens and non-EU citizens residing outside Italy, if successful, must produce originals or suitably certified copies of academic qualifications obtained outside Italy

The following documents have to be submitted:

- Annex 1 "Application form";
- Annex 2 "Curriculum vitae", **signed and dated** by the applicant, providing evidence of possession of the titles and the skills required to carry out the research in subject and including a list, if applicable, of grants and fellowships/fellowships held in the past
- copy of a valid identity document (ID card or passport);
- copy of the PhD certificate, translated into English if obtained outside Italy
- list of publications;
- any other qualification, working task, research activity for public and private institutions and publications that the applicant deems appropriate to submit.
- Signed list of all documents presented

Applicants are admitted for selection with reservation and may – at any time – be notified of exclusion from the selection procedure for the following reasons:

- submission of the application after the deadline;
- failure to complete and sign the application form;
- failure to sign the curriculum vitae;
- lack of the copy of a valid identity document;
- lack of the requirements indicated in paragraph 2.

Should the reasons for exclusion be ascertained after completion of the selection procedure the applicant will lose any right deriving from participation in the selection procedure; similar loss will be applied to applicants providing any false statement or document.





INAF accepts no responsibility for lost applications or documents where this is due to the applicant having provided incorrect contact details or having failed or delayed in notifying any changes to these details.

#### **Art. 4 – Ineligibility and incompatibility with other funding**

Full professors, associate professors and “ricercatori” in Italian universities and employees of Italian research public institutions are all excluded from entering the competition.

The grant cannot be held at the same time with attendance at academic courses as those that formally give access to a doctorate, as well as with attendance of PhD courses with fellowship. The grant is compatible to the attendance to a PhD course without a grant, and to specialization post-university courses, previous authorization of the scientific responsible.

The grant 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 grant, 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- Osservatorio Astrofisico di Arcetri.

Retired persons are not eligible for the fellowship.

#### **Art. 5 – Duration of the Fellowship**

The fellowship is expected to begin as soon as possible but not later than **September 1, 2016**, for a period of **four months**. The exact initial date could be reasonably delayed if requested by the completion of administrative procedures and/or for the cases mentioned in the art. 10 of this call.

#### **Art. 6 – Host Institution**

The fellow will carry out the research at INAF-Osservatorio Astrofisico di Arcetri – Largo Enrico Fermi, 5 – 50125 Firenze (Italy).

#### **Art. 7 – Salary amount**

The gross salary will be **12.000,00** (Twelve -thousand/00) Euro. This amount is net of burdens to be charged to INAF-Arcetri, social charges and will be paid in deferred monthly installments.

The fellowship will not entail medical insurance, the fellow will be requested to have a personal accidents insurance for the duration of the fellowship.

Italian fiscal and social security rules will be applied. During the period of obligatory maternity leave the allowance paid by INPS (Italian National Institute for Social Security) is supplemented by INAF up to the total amount of the grant. The period of obligatory maternity leave will not contribute to the duration of the grant foreseen by the contract.

#### **Art. 8 – Selection Committee and selection procedure**

The selection, based on qualifications, will be performed by a Selection Committee appointed by the Director of INAF-Osservatorio Astrofisico di Arcetri and is composed of three members, including the researcher responsible for the project, Dr. Gianna Cauzzi.

The selection is based on qualifications possibly integrated by an interview. The Selection Committee can establish a short list of the eligible applicants to be interviewed, on the basis of qualifications and documented experience in scientific activities on the specific subject of the research fellowship. Applicants selected for the interview will be summoned with 15 days notice by e-mail with acknowledgement of receipt, containing the individual score for qualifications.

The total ranking score is 100 points of which:

- up to 20 points for the degree thesis
- up to 20 points for publications on topics related to the subject of the call
- up to 40 points for past experience in the research field of solar chromospheric flares, use of modern observations and/or modeling
- up to 20 points for the interview.

At the end of the selection procedure the Selection Committee will draw up the ranked list.

The approval decree of the selection procedure and the ranked list will be published on the following website: <http://www.arcetri.astro.it>

#### **Art. 9 – Awarding of the fellowship**

The highest ranked candidate will receive written notification of award of the research fellowship..

Within 10 days from receipt of the formal notification of the award she/he must provide a formal declaration of acceptance of the research grant. The declaration will also state that she/he is not subject to any of the exclusion conditions listed in article 4 of this Call.

If the candidate does not provide declaration of acceptance within a time limit of 10 days, she/he will surrender his/her entitlement to the research fellowship and it can be awarded to the next ranked candidate.

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 – Fellowship obligations**

The holder of the fellowship:

- will start the research activity at the date due as for the contract at INAF- Osservatorio Astrofisico di Arcetri, unless prevented by force majeure or exceptional circumstances, of which the Director of INAF- Osservatorio Astrofisico di Arcetri must be timely informed;
- will carry out her/his research activities under the supervision of the INAF scientist in charge of the project, Dr. Gianna Cauzzi, who will also monitor the fellow's progress;
- is required to issue an activity reports when requested by the director and in any case at the end of the contract. The activity reports will be subject to approval from the scientist in charge of the project and will be transmitted to the Director of INAF-Arcetri. Approval failing, duly reasoned by the scientist in charge, will give INAF-Arcetri 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-Arcetri is 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 does not carry out her/his research activity regularly without producing justified reasons or lacks repeatedly to fulfill requirements or, according to the evaluation of the coordinator of the project, Dr. Gianna Cauzzi, eventually shows evident lack of skills at the planned research activities, will incur the termination of the contract.

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



**Art. 11 – Proceeding Responsible**

The Responsible of this Call proceedings is Dr. Serena Donati (email: [donati@arcetri.astro.it](mailto:donati@arcetri.astro.it))

**Art. 12 – Applicable regulation**

The INAF-Osservatorio Astrofisico di Arcetri 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, the INAF- Osservatorio Astrofisico di Arcetri 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, on the INAF- Osservatorio Astrofisico di Arcetri website <http://www.arcetri.astro.it/gare> e concorsi and on the INAF website: <http://www.inaf.it>

Firenze, July 1, 2016

✓ Dr. Filippo Mannucci

