



**Il Fondo Sociale Europeo
in Friuli Venezia Giulia**
Programma Operativo Regionale 2014-2020



UN INVESTIMENTO PER IL TUO FUTURO



ANNOUNCEMENT FOR 1 RESEARCH POSITION

(Decree n. 610 dated 12.10.2018)

A public selection based on titles, published works and a research project is hereby announced for the award of 1 research fellowship, in accordance with art. 22 of Law No 240 of 30 December 2010, co-financed by the European Social Fund, Project "HEaD HIGHER EDUCATION AND DEVELOPMENT" SISSA OPERAZIONE 1 (operation code 1619889002, funding channel 1420AFPLO1).

Article 1 - Purpose

This announcement is aimed at strengthening the scientific system of Friuli Venezia Giulia and its attractiveness, even at an international level, at promoting the relationships between the university and research system and the economic, productive and social network, at strengthening the research and innovation demand by the economic system and the strengthening of the processes of technology transfer and innovation dissemination in order to achieve objectives of competitiveness, contributing to the employment of candidates, placing them from the earliest stages of their academic training in projects of scientific value, at supporting training in research and knowledge transfer to the economic, productive and social network through research pathways pursuant to the smart specialisation strategy areas (S3) of Friuli Venezia Giulia and their development trajectories.

Article 2 - Research fellowship

A public selection is hereby announced for the award of 1 research fellowship, whose profile, requisites, duration, gross annual amount, smart specialisation strategy area (S3) of Friuli Venezia Giulia and its development trajectories are set out in Annex 1 which is an integral part of this announcement.

Candidates are required to submit a research project according to article 4.2.

Article 3 - Eligible candidates and requisites

The selection can be accessed by candidates who on the date of application have a documented scientific professional curriculum suitable for carrying out research and any further requirements stated specifically in Annex 1.

According to the current legislation, if not listed in Annex 1 as a compulsory requirement, PhD degrees or, for the relevant Areas, academic titles awarded by medical schools of specialisation together with an adequate scientific production, are considered as an asset.

For the purposes of the selection procedure the equivalence of university degrees and PhD degrees awarded by foreign institutions to the Italian degrees is decided by the examining board.

Permanent staff of universities, institutions and public research and experimentation entities, of the Italian National Agency for new technologies, energy and sustainable economic development (ENEA) and of the Italian Space Agency (ASI) as well as scientific institutions whose scientific post-graduate degree has been recognised equivalent to a PhD cannot be awarded research fellowship in accordance with art. 74, paragraph 4, of the Presidential Decree No. 382 of 11 July 1980.

In accordance with article 18 of Law 240/10, candidates with a degree of kinship or affinity up to the fourth degree included with the following subjects (see Annex 2) may not participate in the selection:

Professor of the scientific Area of SISSA who requested the research fellowship;

Director of SISSA;
Secretary General of SISSA;



Member of the Board of Directors of SISSA.

At the starting date of the research project candidates shall be resident or domiciled in the Friuli Venezia Giulia Region.

Candidates who have held research fellowship contracts with any institution, pursuant to Italian Law no. 240/2010, for a period which, summed to the foreseen duration of the contract as detailed in Annex 1, exceeds a total of 6 years including any renewals, are excluded from applying. To this end, the time in which the candidate was holder of a research fellowship and enrolled in PhD courses is not taken into account for a period not exceeding the legal duration of the PhD program.

Furthermore candidates who have held research fellowship or fixed-term researcher contracts at SISSA or any other state-funded, private-funded or on-line Italian university pursuant to articles 22 and 24 of Italian Law 240/2010, or with any other body listed in paragraph 1 of art. 22 of Italian Law 240/2010 for a period which, summed to the foreseen duration of the contract as detailed in Annex 1, exceeds a total of 12 years, even if not consecutive, are excluded from applying. To this end, the time in which the candidate was on maternity or sick leave is not taken into account according to the current legislation.

The fellowship cannot be held contemporarily with other fellowships of whatever kind, except those awarded by Italian or foreign institutes with the aim of integrating the research activity of the candidate through a period spent abroad.

Candidates enrolled in University Degree, Bachelor or Master courses, PhD courses with fellowships or medical school of specialization in Italy or abroad are excluded from applying. Public employees must be given unpaid leave for the period of the fellowship.

Article 4 - Application to the selection procedure

Applications, drawn up according to Annex A and signed by the candidate, shall be addressed to the Director of SISSA via Bonomea, 265 - 34136 Trieste, and must be submitted, on penalty of exclusion, by November 12, 2018, 12:00 (midday):

1 - by Registered letter with acknowledgment of receipt.

2 - by hand delivery, directly to the Research Funding and International Relations Office of SISSA, via Bonomea No. 265, 34136 Trieste, in the following hours: from Monday to Friday (except on public holidays) from 9:00 am to 12:00 (midday). SISSA shall be closed on 1 and 2 November.

Applications which are incomplete, illegible or which reach SISSA after the deadline specified above will not be admitted to the selection procedure.

The application form and its annexes can be downloaded from the website <https://www.sissa.it/progetti-fse>

The application form must contain the following information:

- title of the project presented by the candidate;
- general information of the candidate (name and surname, date and place of birth, nationality, residence and contact address for the purposes of the selection procedure, specifying the postcode, the phone number and e-mail address);
- statement about the possession of the requisites specified in the announcement.

The application shall also include a statement by the candidate:

- about not being in any conditions of incompatibility as set out in this announcement;
- about undertaking to have the residence or domicile in Friuli Venezia Giulia on the starting date of the research fellowship;



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- about undertaking to promptly communicate any change of residence or address indicated on the application form.

The applicant shall attach the following documents to the application form drawn up in accordance with the attached scheme (Annex A):

- a. Curriculum vitae in European format on the template available on the website: <https://europass.cedefop.europa.eu/documents/curriculum-vitae/templates-instructions>, dated, signed and bearing the authorisation to process personal data under Legislative Decree 196/2003;
- b. affidavit according to article 46 of the Presidential Decree No. 445/2000 (Annex B);
- c. expression of interest (Annex D) by any third parties involved (music academies or other public and private research organisations, artistic and cultural institutions or museums located in the Friuli Venezia Giulia region). An expression of interest (Annex D) shall be submitted for each third party involved in the project, if any;
- d. if applicable, supporting documents relevant to the titles submitted by the candidate;
- e. if applicable, affidavit according to article 47 of the Presidential Decree No. 445/2000 (only if the candidate submits copies conform to original documents) - (Annex C);
- f. if applicable, list of published works.

The application (Annex A) must also be submitted in electronic form, both in .pdf and in .doc format.

The candidate signatures on the form and attached documents do not need to be authenticated if the forms and documents are signed by the candidate in front of the personnel in charge of receiving the applications or if they are signed and a copy of a valid I.D. of the candidate is enclosed (art. 38, paragraph 3. D.P.R. 28 December 2000, n. 445).

The aforesaid application form and the affidavit are not subject to the duty stamp according to art. 1, law 23 August 1988, n. 370 and art. 14, paragraph 2, of the table enclosed to D.P.R. 26 October 1972, n. 642.

The application shall be also signed in original by the scientific responsible at SISSA detailed in Annex 1 and can be sent only as specified in point 1 and 2 of this article.

SISSA does not assume any responsibility for any missing, late or incomplete transmission of documentation connected to the selection procedure due to postal, telegraphic or computer problems for which SISSA is not at fault.

SISSA does not assume any responsibility for the loss of correspondence due to an incorrect address indicated by the candidate or due to a late, or lack of communication of address change in the application, mistakes by third parties in delivering correspondence by post or telegramme, undelivered receipt of the registered letter containing the application form, the documents and the communications regarding the selection procedure.

Candidates must meet the expenses for collecting the documents and publications they have submitted within 3 months from the selection procedure. After this period SISSA cannot be held responsible in any way for these documents and publications.

The research fellowship shall be concluded by 31 December 2020, except in cases of suspension and subsequent reactivation for maternity leave, parental leave, serious documented family reasons, serious health problems according to article 12.

In such instances and for the purposes of expenditure eligibility, the research fellowship shall in an case be concluded by 30 April 2022.

4.1 Submission of titles and published works

Candidates must enclose to the application all documents, titles and published works that might be useful for the selection procedure.



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EU citizens may submit the original documents, a copy, provided that it is declared true to the original by the relevant authorities, or a copy together with an affidavit according to article 19 and 47 of the D.P.R. n. 445 dated 28.12.2000. EU citizens may also prove that they are in possession of the documents submitting an affidavit according to articles 46 and 47 of the D.P.R. n.445 dated 28.12.2000.

Non-EU citizens regularly sojourning in Italy according to the current legislation may submit an affidavit (D.P.R. n. 445/2000) for personal qualities and events which can be certified and attested by public Italian authorities, subject to the special regulations included in laws, legislation governing the immigration and the foreigners status, and international agreements between Italy and the country of origin of the candidate.

In any different case the above stated information must be documented by certificates or documents issued by the relevant authorities of the foreign country with a translation in Italian authenticated by the Italian Consulate abroad, stating that they are conform to the original documents.

Published works must be submitted in the language they have been originally published together with a translation in one of the curriculum languages authenticated by a consulate, an embassy or a chartered translator.

Works published in Italy shall comply with the obligations arising from D.P.R. 3 May 2006, n. 252. Together with their application form candidates shall submit proof that these obligations have been fulfilled or affidavit stating that these obligations have been fulfilled. Works published abroad shall include the date and place of publication. Candidates shall not refer to published works submitted to SISSA for other selection procedures.

SISSA reserves the right to verify all affidavit and declarations. In case of false or misleading information the candidate shall forfeit any benefits resulting from the provisions made on the basis of the false declarations, subject to the provisions of art. 76 of Presidential Decree 445/2000. The withdrawal of the fellowship can be decided at any time, even after the research fellowship contract has entered into force. In such event the candidate shall reimburse to SISSA the fellowships unduly obtained.

4.2 Research project

The research project must have the duration specified in Annex 1, and must be completed by 31 December 2020, except in cases of suspension and subsequent reactivation as referred to in article 12.

The research activity should take place at SISSA, and at music academies or other public and private research organisations, artistic and cultural institutions or museums located in the Friuli Venezia Giulia region, if foreseen by the research project, except for the time to be spent elsewhere for scientific needs.

The research projects submitted by the candidate may foresee research activities to be carried out abroad for a period of not more than 1/3 of the duration of the fellowship.

The scientific Area of SISSA, in hosting the research fellow, will be responsible for the activities foreseen in the project, providing access to and use of structures, materials and services necessary for the implementation of the project and providing a scientific tutoring service through its teaching or research staff, not necessarily permanent.

The project can also foresee the involvement of one or more third parties, as specified above, contributing to the research by providing the technical and scientific knowledge, facilities and services which may be necessary and ensuring the hosting of the research fellow at their premises.

Any third party involved must provide the candidate with a declaration, signed by the legal representative or deputy, undertaking to host the candidate at their premises during the research and to provide a tutoring service.



4.3 Exclusion from the selection and withdrawal

Each candidate is admitted with reserve to the selection procedure for which they have applied.

The administration can exclude candidates from the selection procedure due to lack of requisites with justified Directorial Decree.

The non-compliance of the project with the smart specialisation strategy area (S3) of the Friuli Venezia Giulia Region and its trajectories of development indicated in the application, assessed during the evaluation by the Examining Board shall cause its exclusion from the selection procedure.

Candidates willing to withdraw their applications must send written notice to the Director of SISSA, via Bonomea 265 – 34136 Trieste, enclosing a copy of their valid identity document.

Article 5 - Examining Board

The Examining Board is composed of a minimum of three members, including one President and one Secretary, chosen between professors and researcher of SISSA, Universities, research organizations or experts in the competition sector referred to in Annex 1. Members of the examining board must not have a family relationship or other degree of kinship up to the 4th degree with the candidates.

The Examining Board is nominated by the Director of SISSA before the evaluation, according to the proposal of the relevant Area Council, Giunta or Coordinator.

The members of the Examining Board cannot be engaged in technical and organisational secretariat activities, financial monitoring and reporting concerning the implementation of the project HEaD and may act as scientific tutors in projects for which they have not been members of the relevant Examining Board.

Article 6 - Evaluation criteria

The Examining Board has a total of 100 points that can be awarded to titles and published works, to the interview, if foreseen, and to the research project.

The assessment shall be made by the Examining Board according to the following criteria that are detailed in Annex 1:

- a) Evaluation of titles and published works;
- b) Interview, if foreseen in Annex 1;
- c) Evaluation of the Research Project.

For the evaluation of titles the Examining Board shall take into account:

- the documented research activity;
- the academic qualifications (university degree, PhD, specialization diplomas and certificates of attendance of postgraduate courses obtained in Italy or abroad);
- other titles.

For the evaluation of published works the Examining board will also consider their relevance to the field of activity of the Research Project;

The Examining Board shall also assess the relevance, pertinence and quality of titles and published works with regard to the topic of the research activity.

The evaluation of the Research Project shall be based on:

- the quality of the Research Project with special attention to the objectives, the methodology adopted and the schedule of activities.

The Research fellowship is awarded following the classification list to candidates who have obtained the total minimum score of 70/100.



If Annex 1 foresees an interview about the project submitted, the titles and the published works, the interview normally takes place at the premises of SISSA. Upon decision of the Examining Board candidates can sit a telematic oral examination using workstations located at Universities or Italian diplomatic offices. The personnel of the Universities and of the Italian diplomatic offices must certify the identity of the candidates. Alternatively the identity of the candidates can be verified through the telematic video procedure. The identity of the candidate will be verified before the signature of the contract.

SISSA seeks to ensure equal opportunities for men and women for accessing financial facilities covered by this announcement, in line with EU directives. Participation of female candidates shall be promoted during selection in terms of priorities and subject to the applications received. Should candidates receive the same score, where legislative provisions do not provide for otherwise, female candidates shall be privileged.

Article 7- Evaluation results and classification list

At the end of the selection procedures the Examining Board draws up the minutes bearing the overall score of each candidate and the classification list, based on the total score obtained by each candidate, that shall be sent to the person in charge of the project HEaD at SISSA.

The minutes also indicates the days during which the assessment took place and the engagement hours of the Examining Board.

The evaluation by the Examining Board shall be made with the presence of all members.

Each member of the Examining Board may be replaced by one substitute if foreseen in the Decree appointing the members of the Examining Board.

The selection procedure documentation and the classification list shall be approved with Directorial Decree and shall be published on the official bulletin of SISSA, and on the website of SISSA at <https://www.sissa.it/progetti-fse>

Eligible candidates shall undertake a research fellowship contract with SISSA in accordance with art. 22 of law 240/2010.

Being in the classification list shall not give any rights in other selection procedures.

Article 8 - Award of the research fellowship

Within 10 calendar days from the date of the directorial decree which approves the acts of the selection procedure, the candidate resulting as the fellowship winner shall be informed of the results of the evaluation by registered letter, by e-mail or *brevi manu*.

The aforesaid communication must contain:

- a) the date by which the candidate is required to communicate the acceptance of the benefit aimed at the realization of the project;
- b) the details about the acceptance;
- c) the date by which the candidate shall sign the contract governing the relationships regarding the implementation of the project and the relevant procedures.

The research fellowship is awarded through a contract. The contract does not give any right to be employed by universities.

In the event of rejection of the winning candidate, the fellowship may be awarded to the next eligible candidate in the classification list, through the Director's authorization at the express request of the scientific responsible of the position.



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The starting date of the activity shall be agreed with the scientific responsible and the Coordinator of the Scientific Area of SISSA involved.

The annual gross amount of the research fellowship is listed in Annex 1, will be paid in monthly instalments and includes contributions to be paid by the fellowship holders. The fiscal and social security treatment of the research fellowship is in accordance with ex art. 4, Italian law n. 476/84, and par. 26 and followings, art. 2, Italian law n. 335/95 and subsequent integrations and modifications.

Payments are made by bank transfer to the current account that the fellow shall own or open in Italy or abroad.

To this end the scientific responsible shall notify to the Research Funding and International Relations Office of SISSA the starting date of the research activity, whereas the candidate shall submit to the same office within the 15th of the month following that of reference, a monthly statement drawn up using a specific form, validated by the scientific responsible, stating that the activities have been regularly carried out.

SISSA arranges for insurance coverage for the fellow against accidents in the workplace and for third party liability while carrying out their research work. The amount of relevant premiums shall be deducted from the fellowship.

Should the funding not been guaranteed by the funding authority, SISSA reserves the right to not implement the fellowship. The validity of the contract is therefore subject to the verification of the existence of the necessary funding.

Article 9 - Duties of SISSA

SISSA shall make available to the research fellow the structures and tools necessary to the realization of the research project and provide a scientific responsible through the teaching or research staff.

At the end of each project that has achieved its objectives SISSA issues to the beneficiary a certification for the activities performed.

For each application received SISSA ensures to keep all documentation in a separate (paper and/or electronic) folder which will be constantly updated and stored at the headquarters of SISSA – Research Funding and International Relations Office.

Article 10 - Duties of the research fellow

At the start of the project the research fellows shall be resident or domiciled in the territory of Friuli Venezia Giulia.

For this purpose, the research fellow shall submit to SISSA one of the affidavit mentioned below:

- affidavit under the Presidential Decree of 28 December 2000, No. 445, stating the election of domicile in the Friuli Venezia Giulia region on the starting date of the project;
- affidavit under the Presidential Decree of 28 December 2000, No. 445, stating the residence in the Friuli Venezia Giulia region on the starting date of the project.

When signing the contract for the award of the research fellowship, the fellow shall submit to the Research Funding and International Relations Office of SISSA the adhesion form duly completed and signed in original.

During the project the research fellow shall:

- follow the plan of the activities and time schedule of the objectives foreseen in the project;
- observe the rules of behaviour and conduct in force at SISSA and at any third parties if foreseen by the Research Project;
- submit monthly to SISSA the declaration assessing the regular course of the research activity, validated by the scientific responsible and, for any periods at third parties, if foreseen by the Research Project, by the tutor of each third party involved;



- d) submit quarterly to SISSA the declaration stating that the activities have been regularly carried out, validated by the scientific responsible and, for the periods spent at the premises of third parties, if foreseen by the Research Project, by the tutor of each third party involved;
- e) submit to SISSA, on an annual basis, an analytical report of the activity conducted, signed by the fellow and validated by the scientific responsible;
- f) submit to SISSA the final report signed by the fellow and validated by the scientific responsible.

The completion of the project activities is shown by the final report prepared by the research fellow, which will be assessed by the scientific responsible.

The research fellows are also required to inform SISSA by e-mail about their employment status and the relevant details 6 months and 12 months after the conclusion of the Research Project by writing to fse@sissa.it

Article 11- Early termination

The early termination of the project, with the recognition of the expenses incurred up to the time of early termination thereof, is admissible only for the following causes:

- a) permanent health reasons of the fellow, certified by the public health service, which do not allow the continuation of the project;
- b) serious reasons making it impossible to continue the research started, adequately documented;
- c) employment of the fellow documented through the employer's declaration or copy of the relevant contract, including co.co.co and research fellowships. Certifications and the above documentation should be attached to the documentation showing the regular implementation of the project activities.

For the early termination of the project, the fellow shall prove the regular implementation of the research activities until the early termination.

The certificates and documents referred to in letters a) and b) shall be submitted by the fellow together with the declaration of early termination of the project. Regarding letter c), the fellow shall submit a copy of the contract or declaration in accordance with the law.

At least 30 days' notice must be given by the fellow in case of resignation for the reasons detailed in a), b) and c) above, in which case no penalty shall be applied by SISSA. Failure to do so shall result in a penalty involving the recovery of or the failure to pay the salary for the period of notice not given. The 30 days' notice shall not be applied during the first 30 days of the research activity.

If the fellows fail to submit monthly, quarterly or annual reports or the final report within the prescribed deadlines, SISSA shall send them an email requesting to fulfil their obligations within 10 days from the original deadline; at the expiration of the 10th day SISSA reserves the right to terminate the contract.

SISSA may also terminate an on-going contract if the periodic (monthly, quarterly, annual) reports show that the fellow has failed to achieve the objectives of the project for the period to which they refer and that the project has therefore failed.

In the event of termination by the fellow for reasons other than those referred to in points a), b) and c) of this article, properly certified, and in the event of early termination of the contract for non-fulfilment of the fellow referred to in the previous paragraphs, the fellow shall reimburse to SISSA the amounts unduly received. The contract between SISSA and the fellow shall contain the relevant information in this regard.

The loss of external funding that allowed the implementation of the research fellowship constitutes cause for termination by SISSA. In that case SISSA is required to respect the notice period of at least 60 days.

Should SISSA fail to respect the aforesaid notice period, SISSA shall pay to the fellow an amount corresponding to the remuneration for the period of notice not given.



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Article 12 - Suspension of the project

The project and the payment of the research fellowship may be suspended only in the following cases, upon notification by the beneficiary:

- a) maternity leave
- b) parental leave
- c) documented serious family reasons
- d) serious health reasons.

In such cases, the fellowship holder should submit a duly certified request. The project may be restarted at the end of the suspension period and must be completed in any case by 30 April 2022.

Article 13 - Access to documents, data processing and administrative procedure officer

Providing data is necessary for procedural purposes, on penalty of exclusion from the selection procedure. The candidate may exercise the right of access to data in accordance with art. 7 of Legislative Decree 196/2003.

Published works submitted shall be used solely for the evaluation and the drawing up of the classification list.

In accordance with article 13 of the Legislative Decree 196/2003 and with the European Regulation 2016/679 (General Data Protection Regulation), SISSA undertakes to respect the confidentiality of the information provided by the candidates: the personal data collected will also be processed by computers, only for purposes related to the selection and the drawing up and management of the relevant contract, according to the current legislation, and may also be transferred to and used by public administrations directly involved in the legal and economic position of the research fellow.

Participation to the selection procedure entails, while respecting the principles set out in the abovementioned law, the expression of tacit consent to the publication of the candidate personal data and data relating to the evaluation procedure on the SISSA website.

Candidates are guaranteed access to documentation of the selection procedure in accordance with the current legislation (Law 241/90 and subsequent amendments and integrations and Presidential Decree 184/2006).

SISSA, in the person of the Director, is the owner and responsible of data processing. Under Law 241/90 and subsequent amendments and integrations, the administrative officer is Dr Gabriele Rizzetto.

Article 14 - Intellectual property rights

In accordance with regional announcement "Specific programme 25/15: Support for the development of post-graduate education", results of research projects, such as any patents and industrial property rights obtained and their financial usage rights belong to SISSA, possibly in co-ownership with the partner or partners involved in the project, if any. In any case, the current legislation on the matter, in particular Legislative Decree No 30 of 10 February 2005 "Industrial property code" and subsequent amendments and integrations and internal regulations of SISSA governing the matter shall be applied.

The fellows will retain the moral rights to be recognised as authors/inventors.

The owner of results shall give widespread dissemination of the results, citing specifically that they were achieved with the co-funding of the European Social Fund operational Programme 2014/2020 of the autonomous region Friuli Venezia Giulia.

Article 15 - Final provisions

All matters not covered in this announcement shall be governed by SISSA regulations.



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Annex 1

Position 1

Scientific Area of SISSA: Mathematics

Smart specialisation strategy areas (S3) of Friuli Venezia Giulia and their development trajectories: Strategic production chains, industry engineering: technologies for the numerical modelling of processes and products and/or methods and technologies for integrated design and/or intelligent machines

Area: 08; Competition sector: 08/B2 Mechanics of Solids and Structures (Scienza delle Costruzioni)

Relevant academic scientific sector: ICAR/08 Mechanics of Solids and Structures (Scienza delle Costruzioni)

Scientific responsible: Prof. Antonio De Simone

Duration of the research position: 18 months

Gross annual fellowship: € 24.336,00

Requisites: Degree in Mathematics, Physics or Mechanical, Aerospace, Aeronautical, Mathematical, Civil, Materials, Industrial Engineering or similar subjects.

Experience in research activities relevant to numerical and mathematical modelling for the mechanics of solids and materials (in particular: computational mechanics of solids, plasticity, fracture) simulation of complex systems and scientific computing in Multiphysics, e.g. fluid-structure interaction.

A PhD in Applied Mathematics, Engineering, Physics or related areas will be considered as an asset.

Evaluation criteria:

PhD: max 10 points

University degree: max 5 points

Published works and other research products: max 25 points

Other postgraduate degrees: max 5 points

Other titles: max 15 points

Research project: max 40 points

Gross total cost of the research fellowship € 44.834,21 shall be funded by project HEaD – HIGHER EDUCATION AND DEVELOPMENT SISSA OPERATION 1 (FP1619889002), approved with decree of the autonomous region Friuli Venezia Giulia n. 2242 dated 11.04.2016 for the exclusive scope of the project funding the research fellowship.