

On the basis of the Rules on training, (co)financing, evaluating and monitoring the pursuance of research activities, the Jožef Stefan Institute hereby

announces a

**Public Call for candidates  
for early stage researchers with selected  
mentors in 2012**



## 1. Subject of the Public Call:

The subject of this public call is in regard to the selection of early stage researchers, who will in 2012 begin training with selected mentors in order to obtain a Ph.D. in science in the following research areas:

### Natural sciences and mathematics

1	Physics	prof. dr. Janez Dolinšek
2	Physics	prof. dr. Dragan D. Mihailović
3	Physics	prof. dr. Igor Muševič
4	Physics	prof. dr. Rudolf Podgornik
5	Physics	doc. dr. Matej Lipoglavšek
6	Physics	prof. dr. Zdravko Kutnjak
7	Physics	prof. dr. Viktor Kabanov
8	Physics	prof. dr. Janez Bonča
9	Physics	prof. dr. Boštjan Zalar
10	Physics	dr. Rok Žitko
11	Physics	doc. dr. Christoph Gadermaier
12	Experimental physics of elementary particles	dr. Gregor Kramberger
13	Chemistry	prof. dr. Milena Horvat
14	Chemistry	prof. dr. Ingrid Milošev
15	Chemistry	prof. dr. Stojan Stavber
16	Chemistry	dr. Polona Umek
17	Chemistry	dr. Antonija Lesar
18	Chemistry	doc. dr. Jernej Iskra
19	Biochemistry and molecular biology	prof. dr. Boris Turk
20	Biochemistry and molecular biology	prof. dr. Vito Turk
21	Control and care environment	prof. dr. Janez Ščančar

### Engineering sciences and technologies

22	Energy engineering	doc. dr. Uroš Cvelbar
23	Materials science and technology	prof. dr. Danilo Suvorov
24	Materials science and technology	prof. dr. Tomaž Kosmač
25	Materials science and technology	prof. dr. Darko Makovec



26	Materials science and technology	doc. dr. Goran Dražič
27	Materials science and technology	doc. dr. Slavko Bernik
28	Materials science and technology	doc. dr. Boštjan Jančar
29	Materials science and technology	doc. dr. Kristoffer Krnel
30	Materials science and technology	doc. dr. Andreja Benčan Golob
31	Materials science and technology	doc. dr. Miha Čekada
32	Systems and cybernetics	dr. Janko Petrovčič
33	Computer science and informatics	prof. dr. Sašo Džeroski
34	Computer science and informatics	prof. dr. Nada Lavrač
35	Computer science and informatics	prof. dr. Dunja Mladenič
36	Telecommunications	prof. dr. Borka Džonova Jerman B.
37	Electronic components and technologies	prof. dr. Marija Kosec
38	Electronic components and technologies	prof. dr. Miran Mozetič
39	Electronic components and technologies	prof. dr. Barbara Malič

**Medical sciences**

40	Neurobiology	dr. Boris Rogelj
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**Interdisciplinary studies**

41	Interdisciplinary studies	doc. dr. Primož Pelicon
42	Interdisciplinary studies	doc. dr. Alenka Vesel

**2. The early stage researcher should meet the following requirements:**

- he/she has graduated from a university (minimum requirement) in an appropriate field, achieved by a study programme, adopted in the Republic of Slovenia before June 11<sup>th</sup>, 2004, possesses an appropriate degree with a grade point average in all courses (examinations and exercises - except diploma thesis) of at least 8.00, and fulfils all the requirements of enrolment in postgraduate studies in order to obtain a scientific title;
- or he/she has concluded level 2 studies in an appropriate field, achieved by master courses, adopted in the Republic of Slovenia after June 11<sup>th</sup>, 2004, with a grade point average in all courses (examinations and exercises - except diploma thesis) of at least 8.00;
- or he/she has concluded a master's degree, achieved by master courses, adopted in the Republic of Slovenia before June 11<sup>th</sup>, 2004; or
- has regarding the first, second or the third indent of this paragraph the appropriate educational levels, achieved at a university abroad; and
- that no more than 5 years have passed after the candidate's graduation from a university as stated in paragraph one or two or the conclusion of a master's degree as stated in paragraph three, where the five year period is calculated



from September 30<sup>th</sup> of the current year; if the early stage researcher has already enrolled in a postgraduate course and is not supported by the agency or the ministry of science, the period after graduation will be raised above the stated 5 years - by one year for each academic year registered.

If the early stage researcher has already enrolled in a postgraduate course leading to a scientific title or concluded a master's degree in science, achieved by master courses, adopted in the Republic of Slovenia before June 11<sup>th</sup>, 2004, the grade point average of the undergraduate course is of no importance.

If the early stage researcher has benefited from maternity or paternity leave – 1 year will be credited for each child – the age limit will be raised above the stated 5 years. The same applies to documented, extended absence due to illness (more than a period of six months).

Any early stage researchers who have already been financed through an early stage research programme, but have prematurely terminated their contract or have not concluded the programme within the contractual time period, are not eligible to compete in this call for applications.

### **3. Criteria for assessment of candidates:**

- grade point average in all courses (examinations and exercises – except diploma thesis); candidates must have already passed at least 80 % of all examinations and exercises in their undergraduate studies;
- obtainment of a scientific master's degree;
- enrolment in postgraduate studies for the obtainment of scientific title;
- awards or recognitions received;
- articles published;
- participation in research work;

The evaluation of the criteria listed can be viewed by going to the attached form entitled "Confirmation and assessment sheet". The mentors will examine whether the candidates fulfil all the required conditions and will assess them in writing on the basis of the criteria stated above.

### **4. Content of applications:**

Applications to the public call **must include**:

1. Application form No. MR/2012 – filled in completely and signed

as well as the independent attachments:

2. Proof of education:
  - a photocopy of a university degree or a photocopy of a degree in Bologna level 2 studies (foreigners shall provide an official translation); or
  - a written statement (STATEMENT No.1) that the candidate will graduate from his/her bachelor's or master's degree no later than September 14<sup>th</sup>,



- 2012, and will provide, no later than that day, a certificate of graduation or of successfully upholding a master's thesis;
- a photocopy of a scientific master's degree or certificate of successfully upholding a master's thesis; or
  - if the candidate is already enrolled in a postgraduate course, he/she must enclose the enrolment certificate as well as a certificate of fulfilled duties in said postgraduate course.
3. Proof of the grade point average in undergraduate studies (i.e. supplement to the degree or officially certified list of all examinations and exercises taken, from which the grade point average can be seen clearly – correct to two decimal places), as well as proof of performance with regard to the obtainment of at least an 80% success rate with respect to all examinations and exercises in his/her undergraduate studies;
  4. Citizenship certificate (photocopy of identity card or passport);
  5. Written statement of data privacy signed by candidate (STATEMENT No. 2);
  6. Written statement signed by candidate, declaring that he/she has not been financed in an early stage research programme up to this point in time (STATEMENT No. 3).

The application **may** include the following attachments:

7. Proof of awards or recognitions received, list of published scientific articles and proof of any participation in research work;
8. Proof of eventual maternity or parental leave and or, of extended absence due to illness.

## **5. Foreigners or candidates who graduated abroad**

Foreigners, who will apply to this public call, have to obtain all the necessary documents for employment in the Republic of Slovenia, no later than September 14<sup>th</sup>, 2012.

If the candidate graduated abroad, he/she has to, according to the Act of Recognition and Assessment of Education obtain:

- a decision by a higher educational institution, regarding the recognition of education abroad in order to obtain education in the Republic of Slovenia and
- a conversion of point grade average of post-graduate studies according to the system of evaluation exercised in higher educational institutions in the Republic of Slovenia. The conversion is prepared by the holder of education, taking into account the system of evaluation for education completed abroad.

## **6. Period of employment relationship:**

The Institute will form an employment relationship for a definite period of time in order to obtain a scientific Ph.D. as specified by Article 106 of the Rules on training, (co)financing, evaluating and monitoring the pursuance of research activities.



## 7. Applications to public call

The applications to public call must be delivered in a sealed enveloped with the label "Don't open – application for public call to early stage researchers with chosen mentors for 2012".

During the time frame of this public call, the application pack is available on the Institute's website and at the Registry office.

**The final due date for delivering completed applications to this public call is Thursday, May 31<sup>st</sup>, 2012.**

The candidates can:

- deliver their application in person to the Registry office of the Jožef Stefan Institute, Jamova cesta 39, 1000 Ljubljana, Slovenia
- or
- send the application by registered mail to the following address: Jožef Stefan Institute, Jamova cesta 39, 1000 Ljubljana, Slovenia.

**The candidate can apply for one advertised post only.**

Only fully completed applications will be treated in the selection procedure, providing they have been delivered to the address of the Institute within the application time period stated above.

The selection of the early stage researchers will be performed by the Institute in mutual agreement with the selected mentors.

The candidates will be informed of the selection results within an estimated period of 20 days after conclusion of the call for applications.

## 8. Further information and warnings

The candidates chosen for early stage researchers have to apply separately for the call for enrolment in postgraduate study programmes in the study year 2012/13 at the chosen faculty of postgraduate studies. Candidates, who won't enrol in a postgraduate course by the enrolment period, won't be able to conclude the training of the early stage researchers' contract with the Slovenian Research Agency (ARRS.)

For further information regarding the public call please e-mail [razpis.mr@ijs.si](mailto:razpis.mr@ijs.si) or contact us on +386 (0)1/ 477 3 242 (Ms. Maja Rebolj) each working day between 9 and 11 a.m. until the conclusion of the public call.

Ljubljana, May 8<sup>th</sup>, 2012



Institut  
"Jožef Stefan"  
Ljubljana, Slovenija

Jožef Stefan Institute  
11 The Director:

Prof. Dr. Jadran Lenarčič



**Documentation for Call for Applications:**

- Entire text of public call
- Application form No. MR/2012
- Statement No. 1
- Statement No. 2
- Statement No. 3
- Confirmation and assessment sheet (not to be enclosed in application)

**Web links to:**

- The Rules on training, (co)financing, evaluating and monitoring the pursuance of research activities

<http://www.arrs.gov.si/en/mr/akti/prav-MR-RO-januar08.asp>

- Code tables for fields of research

<http://www.arrs.gov.si/en/gradivo/sifranti/>

- Institution mentors for ARRS early stage researchers for 2012 with narrower fields of research

<http://www.ijs.si/ijsw/Young%20researchers%2C%20fellowships/Desno?action=AttachFile&do=get&target=mentorji12.pdf>



**APPLICATION FORM MR/2012**

**1. CANDIDATE**

Name:
Surname:
Unique personal identification number/Date of birth:
Tax number:
Transaction account number:
Citizenship:
Permanent residence:
Temporary residence:
Correspondence number:
Mobile phone number:
E-mail address (write legibly):

**2. EDUCATION**

**2a** – Filled by candidates who completed (will complete) their education according to the study programme, adopted in the Republic of Slovenia before June 11<sup>th</sup>, 2004 - OLD STUDY PROGRAMME

University:
Faculty:
Professional title - profession: (obtained (or will obtain), for example BSc.)
Date of graduation: (filled in by candidates who already graduated):

**2b** – Filled in by candidates who completed (will complete) their master course according to the study programme, adopted in the Republic of Slovenia after June 11<sup>th</sup>, 2004 - NEW (BOLOGNA) STUDY PROGRAMME

University:
Faculty:
Professional title - profession: (obtained (or will obtain), for example MSc.)
Date of graduation: (filled in by candidates who already graduated):

**2c** – Filled in by candidates who completed (will complete) their master course according to study programme, adopted in the Republic of Slovenia before June 1<sup>st</sup>, 2004

University:
Faculty:





Date of completion of master course:  
(filled in by candidates who already obtained the title MSc):

### 3. POSTGRADUATE STUDIES

**3a** Filled in by candidates already enrolled in postgraduate studies

University:
Faculty:
First enrolled in the first year of study year _____
In study year 2012/13 I intend to enrol _____ year of study

**3b** Filled in by candidates who intend to enrol in the study year 2012/13 in postgraduate studies for the first time

University (planned):
Faculty (planned):
In study year 2012/13 I intend to enrol in _____ year of study

### 4. DATA ON MENTOR AND FIELD OF RESEARCH

Name and surname of mentor	Field of research

Place and date: \_\_\_\_\_

Candidate's signature: .....

5. To be filled in by the Jožef Stefan Institute		
Date of application received:		
Applied in due time:	YES	NO
Application complete:	YES	NO
ARRS Contract No.		
Duration of financing or employment		
Allocation to post		



**STATEMENT No. 1**

(only for candidates who have not graduated from their bachelor's or master's studies as of the day of application to the Public Call or don't have a decision regarding the recognition of education for educational purposes in the Republic of Slovenia)

As a candidate for the position of an early stage researcher, the undersigned \_\_\_\_\_ hereby declares that he/she will graduate from his/her bachelor's or master's studies or present the decision regarding the recognition and assessment of education for educational purposes in the Republic of Slovenia, together with the conversion of the average grade point of post-graduate studies.

I will submit supporting documents no later than September 14<sup>th</sup>, 2012.

\_\_\_\_\_  
(Place and date)

\_\_\_\_\_  
Signature of candidate for early stage researcher)



**STATEMENT No. 2**

As a candidate for the position, the undersigned hereby declares that his/her personal data provided in the application for the 2012 Public Call for early stage candidates, announced by the Jožef Stefan Institute may be used for the records and registers as stipulated by the Rules on training, (co)financing, evaluating and monitoring the pursuance of research activities.

\_\_\_\_\_  
(Place and date)  
researcher)

\_\_\_\_\_  
(Signature of candidate for early stage



**STATEMENT No. 3**

As a candidate for the position of an early stage researcher, the undersigned \_\_\_\_\_ hereby declares not to have been financed in an early stage research programme thus far.

\_\_\_\_\_  
(Place and date)  
researcher)

\_\_\_\_\_  
(Signature of candidate for early stage



**CONFIRMATION AND ASSESSMENT SHEET  
OF CANDIDATE FOR EARLY STAGE RESEARCHER (ESR)**

1. Research organisation: Institut »Jožef Stefan«, Ljubljana
2. Name and surname of mentor: .....
3. Name and surname of ESR candidate:  
.....
4. Scientific field according to ARRS code table:  
.....

**I. Fulfilment of conditions of ESR candidate (underline or circle)**

1. University education or concluded level 2 studies in relevant field, he/she meets all the conditions for enrolment in postgraduate studies for the award of a scientific degree, has a grade point average of all examinations and exercises (except diploma thesis) of at least 8.00 <sup>1</sup>	Yes	No
2. No degree – is concluding his/her studies and has taken at least 80 % of all examinations (inclusive of exercises) in his/her post-graduate studies <sup>2</sup>	Yes	No
3. No more than 5 years passed after the candidate's graduation (master's degree), where the five year period is calculated from September 30 <sup>th</sup> of the current year; if the early stage researcher has already enrolled in a postgraduate course and is not supported by the agency or the ministry of science, the period after the graduation is raised above the stated 5 years - by one year for each academic year registered <sup>3</sup>	Yes	No
4. The candidate has already been financed through an early stage research programme, but has prematurely terminated or failed to conclude the training programme within the contractual time period	Yes	No

**The candidate fully meets the conditions required**  
**Yes      No**

**II. Assessment of ESR candidate (assessed by the mentor)**

1. Grade point average in graduate studies or level 2 master's studies (correct to two decimal places, for instance, 8.32)
2. Existing title of Master of science (1.00 point)
3. Enrolled in postgraduate studies for the award of a scientific degree (0.50 point)
4. Obtained the academic "Prešeren" award (1.00 point)
5. Obtained another award <sup>4</sup> (0.50 point)
6. Published scientific articles (1.00 point for sole authorship or proportional part for co-authorship) <sup>5</sup>
7. Participation in research work (up to a max. of 3.00 points)

Total assessment



Mentor: \_\_\_\_\_

Head of Division: \_\_\_\_\_

Date: \_\_\_\_\_

Director:  
Prof. Dr. Jadran Lenarčič

Date: 07.05.2012



Institut "Jožef Stefan"  
Ljubljana, Slovenija

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<sup>1</sup> If the candidate has enrolled in postgraduate studies for the award of a scientific title or has obtained a master's degree, a grade point average in undergraduate studies of at least 8.00 is not required. With respect to foreign citizens, a sensible conversion of the grade points will be taken into account.

<sup>2</sup> Prior to the conclusion of the contract, the candidate must graduate and reach an average grade point of all examinations and exercises of at least 8.00!

<sup>3</sup> If the candidate has no financial support by the agency or ministry of science, and has already enrolled in a postgraduate course, the period after the graduation will be raised above the stated 5 years - by one year for each academic year registered. If the early stage researcher has benefited from maternity or paternity leave – 1 year will be credited for each child – the age limit will be raised above the stated 5 years. The same applies to documented, extended absence due to illness (more than a period of six months).

<sup>4</sup> For example, "Prešeren" and other awards conferred by members, professional associations and similar awards, may be taken into account, at the discretion of the mentor.

<sup>5</sup> In case of co-authorship, the proportional contribution is calculated by dividing 1 point by the number of co-authors.