

Postdoctoral Fellowship Announcement (Young Talents) Universidade Federal de São Carlos – Brazil

Call 02/2019

PrInt Materials – Young Talents

Universidade Federal de São Carlos (UFSCar) invites applications for a postdoctoral fellowship position (**Young Talents**), granted by the CAPES PrInt Program (<http://www.propg.ufscar.br/pt-br/ufscar-print/>) (Program for Institutional Internationalization of the Higher Education Institutions and Research Institutions in Brazil). Candidates should be scholars with experience abroad by means of international mobility and scientific and/or technological cooperation. The application process is open to both Brazilian and foreign applicants.

1. Objectives

The fellowship will be awarded to four outstanding postdoctoral scholars who have demonstrated the ability to conduct independent and high-quality scientific research. The selected applicants are expected to lead one or more research projects and participate in teaching activities that can foster internationalization. The proposal should be aligned with the goals of the project “**Strategic Materials**”, considering the following subareas (item 2).

2. Project subareas

- 2.1. Materials for Energy;
- 2.2. Nanoscience and Nanotechnology ;
- 2.3. Biomaterials and Renewable Materials ;
- 2.4. Innovative Processes;
- 2.5. Modelling and Computacional Simulation.

3. Graduate Programs joining the project Strategic Materials

- Biotechnology – PPGBiotec
- Chemical Engineering - PPGEQ
- Chemistry - PPGQ
- Mathematics - PPGM
- Materials Science and Engineering – PPGCEM
- Structures and Civil Construction - PPGECiv

4. Duration and number of fellowships

Postdoctoral Fellowships: 4 (four)

Duration: 12 (twelve) months*

*The fellowship can be renewed for up to 12 (twelve) months on condition of satisfactory progress and available funding.

5. Stipends and benefits

Scholarship stipend: R\$ 8.000,00/month.

Travel funds: up to R\$ 6.555,29 (round trip)

Accommodation assistance: single installment of R\$ 2.200,00

Health insurance: R\$ 400,00 (single payment)

6. Eligibility criteria

Applicants must hold a PhD degree for at least 2 years and a maximum of 10 years and they must be fluent in the English language. Brazilian applicants must provide proof of international research experience (minimum of 1 year). Applicants must also have scientific and/or technological production in any of the subareas of the project (see item 2). Brazilian or foreign candidates must be residing abroad in the act of the application.

7. Application process

Applications must be submitted between March 8th and May 6th, 2019. To submit the application, you must fill out a form available at (www.editais.prog.ufscar.br/pdyoungtalents) and include the following documents:

7.1 Ph.D. degree certificate/ diploma or an equivalent document from the graduate program that includes the date of the Doctoral Dissertation defense.

7.2. Proof of residential or professional address abroad;

7.3. English fluency proof (TOEFL, IELTS or Cambridge English - CAE or CPE certificates) for candidates from non-English speaking countries;

7.4. ORCID with links to publications;

7.5. Curriculum Vitae (special attention will be given to patent registrations, publications in high-impact scientific papers, teaching experience and academic awards related to the subareas). All items listed in the CV must be accompanied by digital copies of proof documents or by links that can prove authenticity;

7.6. Research Proposal (in English language), with no more than 15 pages (without references), that should include:

7.6.1. Cover page with title of proposed research project, applicant's name and abstract (max.: 20 lines);

7.6.2. Topic and methodological approach;

7.6.3. A description of how the proposed plan can contribute to the expansion of internationalization at UFSCar and how it is aligned with one or more of the subareas (see item 2).

7.6.4. Scientific and technological relevance;

7.6.5. Dissemination and evaluation;

7.6.6. Expected results;

7.6.7. Project schedule;

7.6.8. References.

7.7. Plan for teaching activities including:

7.7.1. Description of proposed activities (training courses, short courses and/or seminars) that should include:

- Basic information – title of each activity, objectives, number of hours, requirements, resources and references;
- Description of the contribution of the proposed course/ seminar for the current project and subareas (see item 2).

7.8. Partnership declaration issued by host researcher(s) from UFSCar or self-declaration suggesting the name(s) of host researcher(s) from UFSCar with potential as research partner(s) (**optional**).

8. Selection criteria

Applications will be evaluated by the following criteria:

8.1. Applicant qualifications and experience;

8.2. Clear delineation of the value of the proposal (research and teaching) for internationalization actions at UFSCar;

8.3. Explanation of how the applicant's academic background, experience and goals align with the subareas of the current project (item 2).

9. Final Provisions

9.1. All missing issues will be addressed by the Management Group of CAPES/PrInt at UFSCar or by the Selection Commission.

9.2. For all purposes, all time references in this call and Annexes follow the official Brazilian local time (Brasília local time).

For more information on UFSCar's PrInt projects, access:

- Institutional Internationalization Plan (IIP-UFSCar), available on <http://www.propg.ufscar.br/pt-br/ufscar-print/about> => Documents
- Strategic Internationalization Plan (SIP-UFSCar), available on <http://www.propg.ufscar.br/pt-br/ufscar-print/about> => Documents

São Carlos, SP, Brazil, March 8th, 2019.

Audrey Borghi e Silva, PhD.
Dean of Graduate Studies

Annex I – Schedule

Date	Activity
From March 8 th to May 6 th , 2019	Application deadline
May 17 th , 2019	Announcement of approved/rejected applications at http://www.propg.ufscar.br/pt-br/ufscar-print/calls/strategic-materials
From May 20 th to May 21 st , 2019	Submission of appeal Submission of appeal (e-mail to print.materials@ufscar.br)
May 29 th , 2019	Announcement of result of appeal
May 30 th , 2019	Announcement of result/classification list
July, 2019	Fellowship Implementation

Annex II – Scoring System for the Analysis of the Curriculum Vitae (Part 1)

Item	
Papers published JCR or SCOPUS journals within the last 5 (five) years in the area of knowledge	0.5 each paper impact factor higher 2 0.25 each paper impact factor lower 2
Full papers (at least 4 pages) published in Conferences in the last 5 (five) years in the area of knowledge	0.05 each paper (maximum 10)
Chapter Books in the last 5 (five) years	Up to 0.1 each book According analysis
Books in the last 5 (five) years in the area of knowledge	Up to 0.5 each book According analysis
Registered Patents in the area of knowledge	Up to 0.5 each patent According analysis
TOTAL	T1

Item	In the area of knowledge	In other areas of knowledge
Research Activities		
Coordination of research projects	Up to 0.25 per project	0.1 per project
Supervision of Research Initiation students (as main supervisor)	Up to 0.1 per student	0.05 per student
Supervision of MSc or PhD students (as main supervisor)	Up to 0.25 per student	Up to 0.1 per student
Supervision of MSc or PhD students (as co-supervisor)	Up to 0.1 per student	Up to 0.05 per student
Participation as a speaker in international congresses, scientific meetings and conferences in the last 5 (five) years	0.2 each participation	0.1 each participation
PhD abroad	4.0	
postdoctoral or PhD internship (named in Brazil as doctorate sandwich) abroad with period higher to 2 years	2.0	
postdoctoral or PhD internship (named in Brazil as doctorate sandwich) abroad with period lower to 2 years	1.0	
Teaching Activities		
Subjects taught for Graduation Courses (≥ 30 h) per term	0.5 per subject	0.25 per subject
Short courses (≥ 8 h) or training courses (≥ 8 h)	0.2 per course	0.1 per course
TOTAL	T2	T3

Ranking THE for the University where the candidate did his/her doctorate or post-doctorate.
2019

$$\mathbf{T4 = (OVERALL INSTITUTION SCORE)/50}$$

**Where T1, T2 and T3 are the sum of all points score in the respective column.
The total score for CV analysis (TCV) is calculated as follows:
TCV = T1+T2+T3+T4**

Annex III – Scoring System for the Analysis of the Research Plan

Item	Score (Max. Points)
Adherence of the plan to one or more subareas of the thematic topic.	Up to 3.0
Expected results	Up to 2.5
Feasibility of execution	Up to 2.5
Potential of the plan to promote international cooperation	Up to 2.0
Total Score for Research Plan Analysis (TRP)	Up to 10.0

Annex IV – Scoring System for the Analysis of the Teaching Plan

Item	Score (Max. Points)
Adherence of the plan to one or more subareas of the target thematic topic.	Up to 2.0
Relevance and consonance of the proposed Teaching Plan with the Graduate Programs of the desired areas in UFSCar.	Up to 1.0
Integration of the proposed teaching activities with the Research activities carried out in the Graduate Programs of the desired areas in UFSCar.	Up to 1.0
Relevance of the proposed teaching activity and contribution for developing skills in the frontier of knowledge in the context of the target Graduate Programs	Up to 1.0
Total Score for Teaching Plan Analysis (TTP)	Up to 5.0

The candidates will be classified according to their Final Score (FS), which will be calculated as follows:

$$\mathbf{FS = TCVX2 + TRP+TTP}$$