

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

Call 02/2019

PrInt I4SC – 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 two 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 **Industry and Cities Revolution: Industry 4.0 and Smart Cities** and the following subareas (item 2).

2. Project Subareas

- 2.1. Technological Development and Management within Industry 4.0 Domain;
- 2.2. Management and Innovation towards Industry 4.0;
- 2.3. Work Dynamics and Society;
- 2.4. Sustainability, Institutions and Social Conflicts;
- 2.5. City and Rural Environments in the Modern Era;
- 2.6. Management, Planning and Technology in Urban Systems.

3. Graduate Programs joining the project Industry and Cities Revolution: Industry 4.0 and Smart Cities

- Chemical Engineering – PPGEQ
- Computer Science – PPGCC
- Materials Science and Engineering – PPGCEM

- Mathematics – PPGM
- Production Engineering – PPGEPE
- Sociology – PPGS
- Structures and Civil Construction – PPGECE
- Urban Engineering – PPGEU

4. Duration and number of scholarships

Postdoctoral Scholarships: 2 (two).

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.propg.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/revolution-in-industries-and-cities-industry-4-0-and-smart-cities
From May 20 th to May 21 st , 2019	Submission of appeal (e-mail to print.i4sc@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 CV Analysis (Part 1)

Item	In the area of knowledge of the call	In other areas of knowledge
Papers published in Scientific Journals during the last 5 (five) years.	0.5 pt for each paper	0.25 pt for each paper
Full papers (at least 4 pages) published in Conferences during the last 5 (five) years.	0.5 pt for each paper	0.25 pt for each paper
Book chapters published during the last 5 (five) years.	0.25 pt for each chapter	0.1 pt for each chapter
Books in the last 5 (five) years.	0.5 pt for each book;	0.25 pt for each book
Registered Patents	0.5 pt for each patent	0.25 pt for each patent
TOTAL	T1	T2

Scoring System for CV Analysis (Part 2)

Item	In the area of knowledge of the call	In other areas of knowledge
Research Activities		
Coordination of research projects	0.25 pt for each project	0.1 pt for each project
Supervision of Research Initiation students (as main supervisor)	0.1 pt for each student	0.05 pt for each student
Supervision of Master or PhD students (as main supervisor)	0.25 pt for each student	0.1 pt for each student
Supervision of Master or PhD students (as co-supervisor)	0.1 pt for each student	0.05 pt for each student
Participation as a speaker in international congresses, scientific meetings and conferences in the last 5 (five) years	0.2 pt for each participation	0.1 pt for each participation
Teaching Activities		
Subjects 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	T3	T4

Score of the highest THE for the University where the candidate did his/her doctorate, internship or post-doctorate.

$$\mathbf{T5 = (OVERALL INSTITUTION SCORE)/50}$$

where T1, T2, T3 and T4 are the sum of all points score in the respective column.

The total score for CV analysis (TCV) is calculated as follows:

$$\mathbf{TCV = T1+T2+T3+T4+T5}$$

Considering the following constraints: $T1+T2 \leq 6.0$ and $T3+T4 \leq 4.0$

Annex III – Scoring System for Research Plan analysis

Item	Score (Max. Points)
Adherence of the plan to one or more subareas of the thematic topic (item 2).	Up to 2.0
Potential impact	Up to 2.0
Feasibility	Up to 2.0
Potential of the plan to promote international cooperation	Up to 2.0
Precision and innovation in scientific thinking	Up to 1.0
Ability to work independently, scientific maturity and researcher potential	Up to 1.0
Total Score for Research Plan Analysis (TRP)	Up to 10.0

Annex IV – Scoring System for Teaching Plan Analysis

Item	Score (Max. Points)
Adherence of the plan to one or more subareas of project (item 2)	Up to 2.0
Relevance and alignment of the Teaching Plan with the Graduate Programs affiliated with the project at UFSCar.	Up to 1.0
Integration of proposed teaching and research activities to be conducted at UFSCar.	Up to 1.0
Relevance of the proposed teaching activity and contribution for developing skills in the subareas of the project (item 2)	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:

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