

FUNDEPAG SELECTION PROCESS No. 01/2021

NOTICE OF SELECTION PROCESS FOR POST-DOCTORAL FELLOWSHIP FOR BIOTECHNOLOGICAL PLATFORM OF HEALTHY INGREDIENTS (PBIS)

PD Fellowship “Enzymes for the production of prebiotics”

Duration 24 months

Area of knowledge: Molecular biology; Biochemistry; Enzymology

FAPESP process number: 2020/07015-7

Project title: IDENTIFICATION OF ENZYMES INVOLVED IN THE DEGRADATION OF COMPLEX POLYSACCHARIDES, THEIR HETEROLOGICAL EXPRESSION AND BIOCHEMICAL CHARACTERIZATION AIMING THE SUSTAINABLE PRODUCTION OF OLIGOSACCHARIDES WITH PREBIOTIC POTENTIAL

Number of vacancies: 1

Main researcher: Prof. Dr. Igor Polikarpov

Unit/Institution: São Carlos Institute of Física/IFSC; University of São Paulo/USP

Deadline for registration: November 30

Posted in: October 26

Location: Avenida Trabalhador São-carlense, nº 400 - Parque Arnold Schimidt - CEP 13566-590

Registration email: pbis.fa@ital.sp.gov.br cc. ipolikarpov@ifsc.usp.br

• **Summary**

The Agriculture Research & Development Foundation (FUNDEPAG) makes public the opening of applications for a post-doctoral fellowship associated to the Center for Research Targeted to Problems in State of São Paulo (NPOP), Biotechnological Platform for Healthy Ingredients (PBIS) – supported by FAPESP in partnership with a consortium of industries and coordinated by the Institute of Food Technology (ITAL/SAA, Campinas-SP).

The aim of the PD fellowship is to identify enzymes involved in the degradation of complex polysaccharides, their heterologous expression and biochemical characterization aiming at sustainable production of oligosaccharides with prebiotic potential.

The 24-month PD project will be developed under the FAPESP NPOP-BIS project, at the São Carlos Institute of Physics/IFSC; University of São Paulo/USP (São Carlos, SP) under the coordination of Prof. Dr. Igor Polikarpov.

Summary of the program and projects can be found on

https://ital.agricultura.sp.gov.br/emkt/download/NPOP_PBIS.pdf

1. Summary of position and experience required

The candidate must hold a PhD in Molecular Biology, Biochemistry, Biotechnology, Pharmacy, or related fields, preferably with experience in cloning, heterologous expression and biochemical characterization of enzymes. The candidate will develop a project related to the proposed theme, assist in the guidance and co-orientation of students, collaborate with other NPOP-BIS (FAPESP) researchers in the development of other projects, assist in the writing and review of scientific papers of the research group and work on actions aimed at transferring technology and knowledge.

2. Requirements and skills required for the candidate:

- Have completed a doctorate, and obtained the title of doctor in the last 7 years;
- Hold a degree in Molecular Biology, Biochemistry, Biotechnology, Pharmacy, or related fields;
- Ability to work independently and in collaboration with a multidisciplinary research group;
- Knowledge of the English language for reading, scientific writing and conversation;
- Scientific production in indexed journals;
- Experience abroad is an advantage

Experience in:

- cloning, heterologous expression and biochemical characterization of enzymes.

3. Documents, deadlines and form of submission:

The documents listed below must be sent electronically (**in a single PDF**) to the evaluation committee, to emails pbis.fa@ital.sp.gov.br, in copy to ipolikarpov@ifsc.usp.br, with the title "**Post Doctorate in NPOP-BIS in enzymatic production of prebiotics**":

- a) Curriculum summary in the FAPESP model (maximum of 4 pages), according to the recommendations available at <http://www.fapesp.br/5266>.
- b) Motivation letter showing your adherence to the prerequisites and skills required in item 2 (maximum of 500 words).
- c) Doctoral degree

The vacancy is open to Brazilians and foreigners candidates. The assessment will be based on the curriculum and proof of the required experiences.

Any questions or clarifications about the notice, get in touch through the aforementioned emails.

The deadline for applications is **November 30, 2021**. The final result of the selection process will be communicated to candidates by email.

FUNDEPAG Scholarship in the amount of **R\$ 7,373.10/month**.

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