



**IMEF** INSTITUTO DE  
MATEMÁTICA,  
ESTATÍSTICA E FÍSICA

**PPGFIS** PROGRAMA DE  
PÓS-GRADUAÇÃO  
EM FÍSICA

**UNIVERSIDADE FEDERAL DO RIO GRANDE – FURG  
INSTITUTE OF MATHEMATICS, STATISTICS AND PHYSICS  
POSTGRADUATE PROGRAM IN PHYSICS**

The **Postgraduate Program in Physics (PPG-Physics)** of the *Universidade Federal do Rio Grande – FURG* announces the Open Call for applications for the POST-GRADUATE DEVELOPMENT PROGRAM (PGDP) – STRATEGIC POST-DOCTORATE - SUPPORT FOR POST-GRADUATE PROGRAMS CAPES, as established by Ministerial Order No. 16/2022

### **1 – SELECTION OBJECTIVES:**

The Selection Process for the position in the POST-GRADUATE DEVELOPMENT PROGRAM (PGDP) CAPES aims to contribute to the improvement of the National Post-Graduate System - SNPG by consolidating the "Emerging" and "Consolidating" academic stricto sensu Post-Graduate Programs - PPGs. Additionally, it aims to promote the integration of young researchers (up to a maximum of 5 years post-PhD) who are Brazilian or foreign nationals in a postdoctoral stage, reinforcing national research groups.

### **2 – VACANCIES**

2.1. (one) quota will be made available, subject to the availability of scholarships of the National Post- Doctoral Program MEC / CAPES (PGDP), with duration as defined in item 9 of this announcement. These resource activities have to be carried out in-person activities at FURG Carreiros Campus in the city of Rio Grande or surrounding areas (< 70 km).

### **3 – REGISTRATION**

3.1. The registrations will be conducted online at the following web address

<https://siposg.furg.br/curso/976>

3.1.1. Submissions must be made between January 01th, 2024 and March 17th, 2024.

3.1.2. To apply for the Selection Process, the candidate must present the following documents in digital format (in .PDF format in the above web address, see 3.1 section):

a) Copy of identity document or passport (if foreign);

b) Copy of CPF (if Brazilian);

c) Copy of doctor's degree or document proving the title;

d) Those eligible for Post-Doctorate scholarships are individuals who obtained their doctoral degree within the last 5 years, starting from the date of the scholarship implementation;

e) Documented curriculum (single copy) in the CNPq-Lattes format (summary model of the last 5 years until present date). In the case of foreigners: Foreign Researcher Curriculum Vitae (summary model of the last 5 years until present date). The supporting documents must be attached in a single file, in .PDF formatted and ordered according to item 6.4.1);

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f) Two recommendation letters completed by university professors or by senior professionals who can provide insights into the candidate's suitability for advanced studies. The recommendation letters should be scanned in PDF format and sent directly to the email of the Coordination of the Physics Postgraduate Program within the registration deadline;

g) Letter of presentation addressed to the PPG-Physics Coordination, containing the expression of interest and justification of the candidate in relation to his/her motivation to work in the Program, as well as, Indication of at least one supervisor from the following table:

Tabela 1: Nome dos supervisores

Dr. Matheus Jatkoske Lazo	<a href="#">Link CV Lattes</a>	<a href="mailto:matheusjlazo@gmail.com">matheusjlazo@gmail.com</a>
Dra. Dinalva Aires de Sales	<a href="#">Link CV Lattes</a>	<a href="mailto:dinalvaires@gmail.com">dinalvaires@gmail.com</a>
Dr. Magno Valério Trindade Machado	<a href="#">Link CV Lattes</a>	<a href="mailto:magno.machado@ufrgs.br">magno.machado@ufrgs.br</a>

h) Research Project.

3.1.3. The Research Project must present:

- I. Title
- II. Characterization of the main scientific problem to be addressed;
- III. Objectives to be achieved;
- IV. Methodology and action strategy;
- V. Expected Results and Impacts;
- VI. Schedule of activities for the first 24 months;
- VII. Viability of project execution;
- VIII. Didactic activities, with proposal of implementation of Post-graduate course.

\* The Project design must comply with the following formatting specifications: maximum 10 (ten) pages (with cover sheet and references), page numbering, A4 sheet, 2.5 cm margins, Arial font size 11 and space between lines of 1.5

#### **4–CANDIDATE’S PROFILE**

4.1 The scientific goals to be reached by the candidate in his / her Research Project must be included in one of the research lines of the Postgraduate Program in Physics of the Institute of Statistics, Mathematics and Physics (<https://ppgfisica.furg.br/pesquisa>), and should aim to publish articles in qualified journals, especially in high- impact international journals (A1 and A2), resulting from the execution of their work plan in collaborations or not with the students and professors of the PPG-Physics. In addition to the scientific goals, the fellow should contribute to the formation of human



resources, in the form of collaboration and / or orientation / co-orientation of students and the offering of new discipline(s) (Post-Graduate Special Topics).

## 5– CANDIDATE’S REQUIREMENTS AND ATTRIBUTIONS

5.1. Candidate’s must meet the following mandatory requirements:

I– Hold the doctoral degree within the last 5 years, starting from the date of the scholarship implementation, obtained in courses evaluated by CAPES and recognized by the CNE / MEC. In the case of a diploma obtained in a foreign institution, it must be in Physics or related area and it will be analyzed by this committee;

II – Provide up-to-date curriculum in the CNPq Lattes Platform or, if foreign, curriculum Foreign Researcher Curriculum Vitae of the last 5 years until present date;

III – Not being retired or in a similar situation;

IV – Enroll in one of the following ways:

a) As a Brazilian or foreign resident in Brazil, holder of a temporary visa, in both cases without employment relationship;

b)As a foreigner, resident abroad, without employment relationship;

c)Be a teacher or researcher in the country with an employment relationship in Higher Education Institutions or Public Research Institutions.

§ 1º Substitute teachers may be approved in modality "a" of subsection IV, without prejudice to their teaching activities, after analysis and authorization of the Graduate Program.

§ 2º Candidates approved in modality "c" of section IV must present evidence of removal from the institution of origin, for a period compatible with the validity period of the scholarship.

§ 3º Candidates approved in modality "c" of section IV will not be able to carry out the postdoctoral internship in the same Institution with which they have employment bond.

§ 4. The granting of scholarships to faculty members who are part of the structure of the same Higher Education Institution responsible for submitting the project is prohibited.

§ 5. Scholarship recipients are not allowed to accumulate scholarships from another CAPES program or from another federal, state, or municipal funding agency, except in cases expressly authorized by CAPES through prior request in a normative act.

§ 6. The use of third-party bank details, a joint account in which the scholarship recipient is not the account holder, or a savings account for receiving the scholarship is not permitted.

§ 7. After the implementation of the scholarships in SCBA, substitutions of scholarship recipients will not be allowed, except if no payments have been made to the beneficiary.

§ 8. The duration of Post-Doctorate scholarships may not exceed the project's validity period and/or 24 months of scholarship.

## 6– SELECTION PROCESS

6.1. The selection will be made based on the analysis of the a) Research Project and b) Curriculum Vitae (**last 5 years until present date**).

6.2.All stages of this announcement will be developed under the responsibility of the Coordination of



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the Postgraduate Program in Physics.

### 6.3. Analysis of the Project

6.3.1. The Research Project will receive a grade from 0.0 (zero) to 10 (ten), with a final weight of 3.0 (three), being considered in its analysis: (a) relevance, insertion and contribution of the Research Project in the PPG-Physics research and teaching activities, (b) relevance and feasibility of the Research Project; (c) compatibility with the area of knowledge and one of the research lines of the PPG-Physics; (d) innovation of the proposal in relation to the activities developed in the PPG-Physics, and (e) impacts of the proposal for the qualification of research and internationalization of the PPG-Physics.

### 6.4. Curricular analysis

6.4.1. Only the curricular information proven by means of documentation will be computed, with a mark from 0.0 (zero) to 10 (ten), with a final weight of 7.0 (seven). The curriculum score is detailed in the items below (a - i), and the highest score obtained by one of the candidates will be equivalent to grade 10 (ten) and the other grades will then be proportionally determined in relation to this higher score.

- a) Coordination of research projects (2 points per project) financed by official research promotion agencies or by other Institutions through submission of a public call for proposals.
- b) Student supervision: PhD (1 point per student), Master (0.5 point per student), Monography (0.25 points per student);
- c) Authorship of published articles, articles accepted for publication and patents (considering Impact Factor - FI - of the journal):
  - c.1)
  - c.2)
  - c.3)
  - c.4)  $FI < 1$ : 0.5 point per article;
  - c.5) Patents: 2 points per patent.
- d) Co-authorship of published articles, articles accepted for publication and patents (considering Impact Factor - FI - of the journal):
  - d.1)
  - d.2)
  - d.3)
  - d.4)  $FI < 1$ : 0.25 point per article;



Articles published in scientific journals without FI will not be considered.

h) Published books or organization of Books with editorial body and ISBN: 2 points per book;

i) Book chapters with editorial board and ISBN: 1 point per chapter.

## **7 – FINAL RESULT**

7.1. The final result of the selection process will be the average of the grades obtained in the Research Project (3.0) and Curriculum Vitae (7.0). Candidates who reach a final grade of 6.0 or higher will be considered approved.

7.2. Dissemination of the approved candidates in the Selection Process will be available starting from **March 29th, 2024**, on website

<https://siposg.furg.br/curso/976> and/or <http://www.ppgfisica.furg.br>

## **8 – BENEFITS COVERED IN THE CONCESSION OF THE GRANTS**

8.1. The scholarships granted under the PNPB Program consist of payment of monthly fees for the maintenance of the scholarship holder, in the amount set by CAPES of R\$ 5,200.00, observing the duration of the scholarships, as set in item 9 of this call.

## **9 – GRANTS DURATION**

9.1. For scholarship holders approved in modalities "a" and "b" of item 5.1, Item IV, the duration of the scholarship will be 24 (twenty) months.

## **10 – SCHOLARSHIP HOLDERS OBLIGATIONS**

I – Prepare Annual Report of Activities to be submitted for the approval of the Postgraduate Program and forward Final Report within 60 (sixty) days after the end of the respective scholarship;

II – Dedicate themselves to project activities;

III – Return to CAPES the resources received irregularly, when verified the non-compliance with the rules of the PDPG, except if motivated by a fortuitous event, some compelling reason, circumstance outside his will or serious illness duly substantiated and substantiated. The evaluation of these situations is conditioned to the analysis and deliberation by the Executive Board of CAPES, in a reasoned order.

IV – Signature and delivery in the Coordination of the Postgraduate Program in Physics of the Term of Commitment;

V - Contribute to the enhancement of PPG-Physics effectiveness in training masters and doctors, both qualitatively and quantitatively increasing technical production, patents, and other outputs deemed relevant to the PPG;

VI - Contribute to the growth of scientific production in the field: presentation of at least 02 (two) scientific articles published in a journal indexed in the QUALIS Module of the Sucupira Platform,



with proper reference to CAPES;

VII Any and all materials produced within the supported projects must include the CAPES logo, following Ordinance No. 206, dated September 4, 2018.

## **11– SCHOLARSHIP SUSPENSION**

11.1 The suspension of the scholarship will occur in the following cases:

I– Severe illness that prevents the fellow from participating in the planned activities;

II – Implementation of activities related to the PNPB abroad, for a maximum period of twelve (12) months, if you receive another scholarship.

§ 1º The suspension for the reasons foreseen in item I of this article will not be computed for the duration of the scholarship.

§ 2º The suspension for the reasons foreseen in item II of this article will be computed for the duration of the scholarship.

§ 3º For the beneficiary requesting temporary withdrawal to carry out activities related to the PDPG abroad, for a maximum period of three (3) months, there will be no suspension of the benefits of the scholarship if he/she does not receive another scholarship.

§ 4º For the beneficiary requesting the temporary withdrawal of academic activities due to the occurrence of childbirth during the period of validity of the respective benefit, there will be no suspension of the benefits of the scholarship, observing a specific CAPES determination.

§ 5º Replacement of the scholarship holder during suspension of the grant.

## **12– CANCELLATION OF SCHOLARSHIP AND REPLACEMENT OF SCHOLARSHIP HOLDER**

12.1. The scholarship may be canceled by CAPES or the Postgraduate Program at any time for non-compliance with the provisions of this Notice and NOTICE No. 16/2022, PROCESS No. 23038.006308/2021-70 from CAPES, with the scholarship recipient being obligated to reimburse any improperly made investment on their behalf, in accordance with current federal legislation. The recipient will also be ineligible to receive benefits from CAPES for a period of up to 5 (five) years from the knowledge of the fact, without prejudice to other administrative, civil, and criminal penalties.

12.2. After the implementation of the scholarships in SCBA, substitutions of scholarship recipients will not be allowed, except if no payments have been made to the beneficiary.

## **13– ADDITIONAL INFORMATION**

13.1. Additional information can be obtained at the Secretariat of the PPG-Physics, to the e-mail address: [imef.pos@furg.br](mailto:imef.pos@furg.br)

## **14– FINAL CONSIDERATIONS**

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14.1. Dialogue with CAPES should be done only through the Coordinator of the Post-Graduate Program, supported by the Pro-Rector of Post-Graduation, Research and Extension.

14.2. The scholarship recipient is prohibited from accumulating a scholarship from another CAPES program or from another federal, state, or municipal funding agency, except in cases expressly authorized by CAPES through prior request in a normative act.

14.3. The quotas for PDPG scholarships will now follow the rules established in this Notice and NOTICE No. 16/2022, PROCESS No. 23038.006308/2021-70 from CAPES, with all contrary provisions being revoked.

14.4. FURG is not responsible for the continuity of the Program or even the granting of the scholarship or any other expenses arising from this selection process, being the sole responsibility of the Federal Government (CAPES and MEC) and the candidate.

14.5. The period of validity of this Call will be until the next call.

## 15- SCHEDULE OF ACTIVITIES

<b>ACTIVITIES</b>	<b>DATES</b>
Call Press Release	01/01/2024
Application period	01/01/2024 to 17/03/2024
Homologation of applications	Until 20/03/2024
Revocation of applications	Until 21/03/2024
Results	Until 29/03/2024
Revocation of results	Until 01/04/2024
Disclosure of final results	Until 02/04/2024
Delivery of documentation necessary for the implementation of the scholarship	from 30/04/2024

Rio Grande, 27 de Novembro de 2023

Selection Committee

Dr. Matheus Jatkoske Lazo

Dra. Dinalva Aires de Sales

Dr. Magno Valério Trindade Machado