

**Postdoctoral scholarship notice -  
UNIVERSITY OF SÃO PAULO/School of Education - BRAZIL**

Project title: **The Biota-FAPESP program in basic education: possibilities for curricular integration** (FAPESP 2016/05843-4)

Field of knowledge: **Education**

Area: **Science Education**

Number of vacancies: **1 (one)**

Scientific Coordinator: **Prof. Nelio Bizzo**

Host Institution: **USP School of Education**

Funding Institution: **São Paulo Research Foundation (FAPESP)**

Deadline for application: **May 31st**

Contact: **Ms Daniela Borges <cgpfe@usp.br>**

### **Research Context**

We announce the opening of a postdoctoral vacancy with the possibility of a scholarship granted by the Fundação de Amparo à Pesquisa de São Paulo (FAPESP) for Brazilian and foreign candidates, linked to the FAPESP thematic project entitled “The Biota-FAPESP program in basic education: possibilities curriculum integration”, coordinated by Prof. Nelio Bizzo, and linked to the Center for Research in Education, Diffusion and Epistemology of Evolution “Charles Darwin”, scheduled to start on September 1, 2022 (in terms of the concession, see <http://www.fapesp.br/1483>)

The need for a postdoctoral fellow for the aforementioned thematic project is based on the fact that there is little research to understand what young people think about diversity and biological evolution in different Brazilian regions, while there is an evident lack of materials didactics to support the teaching of Brazilian biodiversity in basic education. Academic research on evolution teaching/learning in Brazil is relatively recent and, at the same time, there is a well-known tradition of qualitative studies followed by extrapolations, while quantitative studies have been carried out for a long time in several countries, including much smaller ones.

The Biota-FAPESP Program has contributed in an extraordinary way to the knowledge of Brazilian biological diversity since 1999, with significant results that make it possible to elucidate aspects of the geographic distribution and occurrence of different species. However, this knowledge base has not been taken to the classroom, and research is needed to elucidate students' interests and attitudes and the possibilities for curricular integration. The thematic project produced teaching materials with the help of several researchers linked to the FAPESP program and is in the process of being made available to basic education students.

Candidates must have a degree in biology, a Ph.D. in the same area or in the educational area, proven experience in information technologies, and familiarity with content management systems, especially Wordpress. It is expected that they will be able to write an original text on education for biodiversity based on some bibliographic references that guide the thematic project, in the form of a cover letter (max. 3,000 words). After the first selection, there will be an interview, when additional

elements will be provided for the elaboration of an action plan, to be sent remotely. The selection will be completed after the evaluation of this plan.

## References

- BIZZO, N.; GOUW, A.M.S. (orgs.). *Fundamentos teóricos do ensino de ciências de base experimental*. Curitiba: Appris, 2021.
- FRANZOLIN, F., GARCIA, P.S.; BIZZO, N. Amazon conservation and students' interests for biodiversity: the need to boost science education in Brazil. *Science Advances*, 6(35): 1-10, 2020. <https://www.science.org/doi/10.1126/sciadv.abb0110>
- FRANZOLIN, F.; et al. Students' Interests in Biodiversity: Links with Health and Sustainability. *Sustainability* 2021(13), 13767. <https://doi.org/10.3390/su132413767>
- JOLY, C. A., RODRIGUES, R.; METZGER, J.P.; HADDAD, C.F.B.; VERDADE, L.; MARIANA C. OLIVEIRA, M.C.; BOLZANI, V. Biodiversity Conservation Research, Training, and Policy in São Paulo. *Science*, 328, 2010.
- METZGER, J. P.; CASATTI, L. Do diagnóstico à conservação da biodiversidade: o estado da arte do programa BIOTA / FAPESP. *Biota Neotropica*, 6(2), 1–23, 2006.
- NORSTRÖM, A.V. et al. Principles for Knowledge co-production in sustainability research. *Nature Sustainability* 3, 182-190, 2020.
- OLIVEIRA, A. and COOK, K. *Evolution Education and the rise of the creationist movement in Brazil*. Lanham (MD): Lexington Books, 2019.

## Application:

Those interested in the postdoctoral fellowship must comply with the postdoctoral standards of the University of São Paulo, especially with Res CoPq no. 7406, dated October 3rd, 2017, and meet FAPESP's rules (available at <http://www.fapesp.br/bolsas/pd>), and have a resume published on the Lattes Platform (<http://lattes.cnpq.br/>). Foreigners must demonstrate full command of the Brazilian Portuguese language in the writing of the cover letter and in the interview. Applicants must send the following printed documentation by express mail (DHL/SEDEX/UPS or similar express service), not later than **May 31st (posting date)**:

- Curricular Summary using the FAPESP model and template (instructions at <http://www.fapesp.br/sumula>), with complete identification, including e-mail and cell phone;
- Complete graduate school transcript, issued as an official document (with stamp and signature or with authenticity code). The document must contain: the names of the subjects in full; eventual failures or locking of the candidate's registration; the approval criteria (minimum grade) or alternatively a statement from the university explaining the criteria adopted for the promotion;
- A cover letter, with original personal wording, containing the reasons for the interest in participating in the project "The Biota-FAPESP program in basic education: possibilities of curricular integration". The text should discuss teaching/learning of biological diversity and evolution in Brazil, based bibliographical references provided in this announcement. The letter must not exceed 3,000 words in the main text and, besides, the maximum of 10 (ten) bibliographic references;
- Letter of recommendation from the doctoral advisor, in a sealed envelope, to be inserted in the same shipment, together with the documents mentioned above.

**How to apply:**

An envelope should be sent by express mail (DHL/SEDEX/UPS or similar express service), not later than **April 15th (posting date)** to the following address:

PD Fellowship  
Centro de Gerenciamento de Apoio a Projetos  
a/c Ms. Daniela Borges  
Faculdade de Educação / USP  
Av da Universidade, 308  
**05508-040 - São Paulo (SP)**  
BRAZIL

**Selection criteria:**First phase (50 points)

Curriculum Vitae and Lattes resumè, taking into account the intellectual and academic production in the research project area;

- Doctoral advisor's recommendation letter;
- Discussion presented in the cover letter and bibliography;
- Proof of proficiency in Brazilian Portuguese

Second phase (30 points)

Interview to be held in person at the Faculty of Education of USP, in the second half of June, in the morning or afternoon.

Third phase (20 points)

Analysis of the action plan with the elements provided at the end of the interview, to be sent remotely, within 10 (ten) days after the interview.

**Outcomes Dissemination:**

The final result will be announced not later than **July 15th**, in an email addressed to the candidates, in a sequential list, according to the score received. In case of withdrawal of the first place, the following (s) will be called. The minimum passing average is 70 points and a statement will be provided to those approved.

**Amounts and conditions:**

All documents must be ordinary printed copies packed together and will not be returned, being destroyed soon after. Candidates who do not meet FAPESP/USP regulations on the subject will not be considered. Fellowship amount and conditions can be obtained on the FAPESP website (<http://www.fapesp.br/3162>). The fellowship assumes exclusive dedication to the research project and implies interaction with other activities of the research team and host institution. Scholarship holders must reside in the metropolitan region of São Paulo (SP), and in case of transferring residence it is possible to apply for the Installation Assistance Benefit (<http://www.fapesp.br/7771>). Foreign fellowship holders must be in charge of meeting the migratory requirements established in the Brazilian regulations. Candidates must express in the cover letter accordance with the above conditions and awareness that the classification does not automatically imply the award of the fellowship, to be ratified by the granting institution and by the host institution.