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BIOTA+10

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USP **UFABC** **UNIFESP** **USCS** **INSTITUTO BUTANTAN**

The banner features a green background with a stylized green bird and leaves on the left. The text "Educação BIOTA+10" is prominently displayed in the center, with "Educação" in a script font and "BIOTA+10" in a bold, black, sans-serif font. Below the text is a curved orange line and the FAPESP logo. At the bottom, a row of logos for participating institutions is shown: USP, UFABC, UNIFESP, USCS, and Instituto Butantan.

**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: **April 15th**

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

Research Context

We announce the opening of a postdoctoral position with a fellowship provided by FAPESP, at the Faculty of Education of the University of São Paulo for Brazilian and foreign candidates. The position is linked to the FAPESP Thematic Project entitled “The Biota-FAPESP program in basic education: possibilities for curricular integration”, coordinated by Prof. Nelio Bizzo, and to the Research Center on Evolution Education, Epistemology and Outreach “Charles Darwin”, scheduled to start on **August 1, 2020** (on concession timings see: <http://www.fapesp.br/1483>).

The connection of a Postdoctoral Fellow to the aforementioned thematic project was supported by the fact that there is little research to understand what young people think about biological diversity and evolution in different regions of Brazil, with an evident lack of didactic materials to support the teaching of Brazilian biodiversity in basic education. Academic research on teaching/learning evolution in Brazil is relatively recent, and, at the same time, there is a strong tradition in qualitative studies followed by extrapolations, whereas quantitative studies have been carried out for a long time in several countries, even much smaller.

Textbooks used in High School provided by the Brazilian National Textbook Program (PNLD) were studied and revealed poverty in the exposure of Brazilian biological diversity, with an emphasis on native fauna from other continents, especially African mammals. Examples of biological evolution commonly refer to vertebrates, rarely focusing on plants and microorganisms. Official normative documents have been ambiguous when dealing with the theme of evolution, mentioning religious approaches as equivalent to those developed by science, making it even more difficult to develop the theme in the classroom. The recent approval of the National Common Curricular Base and the ratification of Provisional Measure 746/2016 (Law 13,415/2017) greatly reduced the space that the theme of biological diversity had in basic education.

The Biota-FAPESP Program has brought an extraordinary contribution to the knowledge about Brazilian biological diversity since 1999, with significant results, which allow elucidating aspects of the geographic distribution and occurrence of different species. However, the didactic transposition of this knowledge base into the classroom has been very difficult, and research is needed to elucidate students' interests and attitudes and possibilities for curricular integration. On the one hand, it is necessary to map areas that lack stimulation and, on the other, to discover unanswered demands. In both cases, the planning of teaching materials focusing on Brazilian tropical biota would be a major step towards expanding public support for conservation actions and the promotion of sustainable practices.

References

- BIZZO, N e PELLEGRINI, G. *Os Jovens e a Ciência*. Curitiba: CRV, 2013
- 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*, v. 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.
- OLIVEIRA, Graciela S., BIZZO, Nelio e PELLEGRINI, Giuseppe .Evolução biológica e os estudantes: um estudo comparativo Brasil e Itália. *Ciência & Educação* 22, no.3: 689-705, 2016.
- 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 resumè 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 **April 15th (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 on previous experiences referenced in the Lattes resumè. The letter must not exceed 3,000 words in the main text and, besides, the maximum of 10 (ten) bibliographic references;

- Initial work plan, with a brief description and work schedule for the first 12 (twelve months), to replicate the research described in Oliveira, Bizzo and Pellegrini, 2016 (see references above);
- 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)

The initial assessment will comprise the following elements:

- Curriculum Vitae and Lattes resumè, taking into account the intellectual and academic production in the research project area (20 points);
- Doctoral advisor's recommendation letter (5 points);
- Discussion presented in the cover letter and bibliography (15 points);
- Initial Work Plan and Schedule (5 points);
- Analysis of language used in the cover letter (5 points).

Second phase (50 points)

Candidates reaching 40 points will be invited for an interview and discussion of the initial work plan on **April 27th, carried out remotely (morning/afternoon, BSB time)**;

Outcomes Dissemination:

The final result will be announced by **May 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.

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.