

# Post doc grant opportunity in Brazil



The project “**Towards a science of intrinsic purposiveness: organizational theory of ecological functions and its implications for ecological research and environmental ethics**”, part of the umbrella project “**Agency, Directionality & Function**” (<https://www.biologicalpurposes.org/>), funded by the John Templeton Foundation and coordinated by Alan Love (University of Minnesota, USA), also carried out in collaboration with the National Institute of Science and Technology in Interdisciplinary and Transdisciplinary Studies in Ecology and Evolution (INCT IN-TREE, <https://intree.org/>), **selects a postdoctoral researcher** to work on theoretical in **Modeling ecological systems according to organizational approach to function**. The postdoctoral fellow will be directly linked to the project coordinated by Professor Charbel El-Hani (Federal University of Bahia, Brazil). The project covers the areas of Epistemology of Science, Ethics and Theoretical & Applied Ecology.

## BENEFITS

- ✓ **Period of validity of the scholarship:** March/2022 to July/2024 (29 months).
- ✓ **Scholarship value:** U\$ 800.00/month (in US dollars).
- ✓ **Participation in a network of highly qualified national and international researchers**, bringing together philosophers of biology, ecologists, anthropologists, behavioral biologists, among other areas.
- ✓ Possibility of **contributing to theoretical development in functional diversity studies, considering different ecological systems, a topic of great relevance in contemporary ecology.**

## REQUIREMENTS

- ✓ Experience and interest in **interdisciplinary work**.
- ✓ Ability to **read and write in English**.
- ✓ **Undergraduate and doctoral degrees in any field**.
- ✓ **Ideal profile:** PhD in ecology, environmental sciences and related areas or PhD in physics, mathematics or computer engineering, automation and software with proven experience in agent-based modeling and programming in Java, Python, C++ and/or NetLogo languages. It is important to be interested in the Organizational Approach in the Philosophy of Life Sciences (Moreno & Mossio 2015; Nunes-Neto et al. 2014). One of the main activities will be to build agent-based models to deal with functional traits and groups that contribute to the closure of constraints in ecological systems.

## REGISTRATION AND SELECTION

- ✓ **Period:** February 25 to March 12, 2022.
- ✓ **To participate in the selection**, send an email message to Prof. Charbel El-Hani ([charbel.elhani@gmail.com](mailto:charbel.elhani@gmail.com)) with your **updated Curriculum Vitae, five selected publications** (from the last 3 years), in PDF, and a **letter of introduction and intentions**, explaining why you want to be a fellow researcher in the Templeton project.
- ✓ **Interviews, via Zoom:** By appointment, in March 2022.

## SUPPORT INSTITUTIONS



<sup>1</sup> Moreno, A. & Mossio, M. *Biological Autonomy: a Philosophical and Theoretical Enquiry*. Springer: 2015.

Nunes-Neto, N.; Moreno, A.; El-Hani, C.N. Function in Ecology: an organizational approach. *Biology & Philosophy* 29 (1), 123-141.