

POS-DOCTORAL FELLOWSHIP IN MICROBIAL ECOLOGY

As part of the Research:

Climate changes and energetic efficiency in agriculture: focusing on hydric stress, organic management and soil biology

Project Title: The role of the soil microbiota in the attenuation of hydric stress in plants

Home Institution: *Laboratory of Environmental Microbiology*, Embrapa Environment (www.embrapa.br)

Coordinator / Supervisor: *Dr. Itamar Soares de Melo* (Researcher at Embrapa)

Project Scope: Water stress is taken as the main point for studies in future scenarios, where agricultural production must be maintained (or increased) even in the least available water. This proposal aims to give greater support to the part of the project that explores this interaction. This project will be based on this link between a soil biology (with emphasis on microbial communities) and a higher resistance of plants to water stress.

Desirable Skills: This vacancy is sought for an independent and proactive microbiologist. Knowledge in soil microbiology, analysis of anti-oxidant enzymes and development of microbial formulations is essential. It is also necessary to have knowledge in molecular biology techniques, with skills in culture-independent analyzes, especially those related to large-scale sequencing and bioinformatics.

How to Apply: Applications will be made exclusively by e-mail, with the documentation attached. Applications should be directed to Dr. Itamar S Melo (itamar.melo@embrapa.br), copied to Dr. Fernando Andreote (fdandreo@gmail.com) until September 30th, 2017. For application, please attach to the e-mail: *i*) Motivation Letter, justifying the experience in the theme and issues to be addressed experimentally; *ii*) Two reference letters; *iii*) Curriculum with published articles and evidencing the abilities to conduce the project, *iv*) Abstract of the PhD thesis.

Selection: The selection will be made primarily based on the curriculum of the candidates, and further by the personal interviewing process (maximum of 5 candidates selected for this stage), where the abilities in the issues will be verified and also other commonalities will be discussed.

Result of Selection: October 31th, 2017

Starting Date: December 1st 2017 (*duration of 2 years*)

More information about the grant can be obtained at website <http://www.fapesp.br/en/5427>