



Capes-Cofecub project Me1009/23 - Design, synthesis and biological evaluation of new heterocyclic antileishmanial compounds

This project, born from the partnership between the Federal University of Pernambuco (Brazil) and Nantes Université (France), established in 2015 under the CAPES-COFECUB program, aims to strengthen an already fruitful scientific collaboration that has led to scientific publications, the mobility of students and researchers, as well as the organization of international events. The new proposal (2023) focuses on the discovery of innovative heterocyclic compounds (2-aminothiophene, imidazo[1,2-*a*]pyrazine, and thiazolidine) with strong potential against leishmaniasis, a neglected tropical disease with limited, toxic, and poorly effective treatments. The project combines the synthesis, pharmacomodulation, and biological evaluation of these molecules, integrating pharmacokinetic and mechanistic studies. Beyond its therapeutic ambition, it seeks to consolidate the international research network, strengthen the training and mobility of young researchers, increase scientific output, and contribute to innovation through the development of new drug candidates and patents.

Project coordinators:



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Project partners:



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Brazilian students on mobility at the IICiMed Laboratory:

Doctoral mobility, November 1, 2025 – October 31, 2026: Nathalia Monteiro Lins Freire, chemist, UFAL

Postdoctoral mobility, October 7, 2025 – August 7, 2026: Dr. Saraliny Bezerra França, chemist, UFAL

Doctoral mobility, November 1, 2024 – April 30, 2026: José Rivaldo de Lima, biologist, UFPE

Postdoctoral mobility, June 1, 2024 – March 31, 2025: Dr. Maísa Cavalcanti Coelho, chemist, UFAL

Postdoctoral mobility, November 1, 2023 – August 31, 2024: Dr. Larissa G. Maciel, chemist, UFPE