



Capes-Cofecub project Me1080/25 - FRANCE-BRAZIL COLLABORATION IN A 'ONE HEALTH' APPROACH TO COMBAT ANTIFUNGAL RESISTANCE

This CAPES-COFECUB project, launched in 2025, brings together Nantes Université (UR 1155 - IICiMed) and different Brazilian partners – the Federal University of Minas Gerais (UFMG), the Federal University of Rio Grande do Norte (UFRN), and the Federal University of Grande Dourados (UFGD). Its ambition is to establish a consortium of researchers, specializing in medical mycology and, more specifically, in the field antifungal resistance.

Through field surveys conducted in France and Brazil, combined with complementary experimental approaches (in vitro directed evolution, genome-editing techniques, in vivo experimental models, etc.), the project aims to assess the impact of yeasts exposure to agrochemical products on fungal biology (emergence of cross-resistance with antifungals used in medicine, evolution of pathogenicity). Beyond the scientific and public health issues, this initiative will strengthen research capacities and contribute to the training of young researchers in medical mycology and antifungal resistance, which has recently been recognized by the World Health Organization as a global priority.

Project coordinators:



Prof. Florent Morio – Nantes Université (NU), France



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Project partners :



Dr Isabelle OURLIAC-GARNIER – Nantes Université (NU)

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Dr Hossein ZARRINFAR – Université Mashhad (Iran) – visiting professor at NU in 2025



Prof. Nalu TEIXEIRA DE AGUILAR PERES – Universidade Federal Do Minas Gerais (UFMG), Belo Horizonte

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Prof. Rafael WESLEY BASTOS – Universidade Federal do Rio Grande Norte (UFRN), Natal

Prof. Luana ROSSATO – Universidade Federal do Grande Dourados (UFGD), Dourados

Brazilian students on mobility at the IICiMed laboratory in 2025–2027:

Postdoctoral mobility, June 1, 2025 – March 31, 2026: Dr. Kassia Jessica Galdino da Silva Schinaider (UFRN)

Doctoral mobility, February 2026 – November 2026: Lislaina dos Santos Correa (UFMG)

Doctoral mobility, October 2026 – July 2027: Fabio Sales (UFMG)