

Postdoctoral fellow in Microbial Genomics

Faculdade de Ciências e Tecnologia

Universidade Nova de Lisboa

The Yeast Genomics Lab @ NOVA is seeking candidates for a postdoctoral fellow position. We use yeasts to investigate basic and applied aspects of microbe evolutionary biology and our strategies combine computational and experimental approaches. More specifically, we aim at integrating genomics with evolutionary genetics, ecology, microbial diversity and physiology.

The candidate will be involved in a recently funded project entitled “Advancing wine yeast genomics –exploring the evolutionary dimensions of domestication and the emergence of virulence”. This project is focused on the domestication of the yeast *Saccharomyces cerevisiae* and will foster various genomic and laboratory analyses. Both novel strains and genome sequences will be obtained and they will be investigated together with a collection of strains / genomes already available in the lab and genomes retrieved from public databases. The main goals of the study concern understanding specific details of wine yeast domestication, like the occurrence of regional variants, and the fate of domesticated lineages. For this second topic, the occurrence of additional rounds of domestication (secondary domestication) and the emergence of pathogenic strains within the pool of domesticated lineages will be tested computationally and experimentally.

Candidates should have a clear interest in genomics combined with interests in evolution and microbial ecology and physiology. While there are no strict requirements for the position, strong quantitative skills, programming experience, and a population or evolutionary genetics background are desirable.

Project PI

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