

Departamento de Ciências da Vida

Researcher (PhD)

CREM - Centro de Recursos Microbiológicos



CENTRO DE RECURSOS MICROBIOLÓGICOS



João Almeida

Obtained his PhD in 2000, since then developed his research interests in microbial ecology, genomics, and bioinformatics.

Objectives

Development of integrative tools to support comparative genomics, and evolution studies. These would enable a candid user to retrieve massively integrated datasets with minimal interaction, and ease. The required infrastructure should be basic in terms of processing power.

Methodology

Development of parser, and query dispatch modules in pure Java™ code development. Discovery algorithm implementation by user designed Ruby scripts.

Expected Results

Ability to populate standard relational databases with customized datasets, and even to automate the first stages of a phylogenetic analysis (e.g. selective sequence alignment).

Funding:

