

Private and Confidential

Yves Brun
Systems Biology/Microbiology
Faculty Search
Department of Biology
Indiana University
Jordan Hall 142
1001 E 3rd St
Bloomington IN 47405 -7005

26 Oct 2005

Re Dr Rui Alves

I am delighted to recommend most strongly Rui Alves.

Rui worked in my Laboratory at the Imperial Cancer Research Fund from January to December 2001. The research area selected was the evolution of metabolic networks. The aim was to analyse the sequences and structures of metabolic enzymes and to assess the relative importance of retro-evolution (i.e. local in the pathway) compared to recruitment (global evolution). The details of the strategy were worked out by Rui largely independently. For example the representation of the pathways as a single network was both proposed and implemented in a computer representation by Rui. The result of the work has been published as a full paper in J.Mol.Biol., with Rui as the first author.

Subsequently, Rui obtained post in top institutions and continued to be highly productive in the general area of theoretical modelling of networks.

In general, Rui is a highly motivated researcher with a deep understanding both of the biology and of the computational strategies to study the biological questions. Rui has the potential to establish an international reputation and run an active research team.

Yours faithfully

cc Ruth Walters.

Professor Michael Sternberg
Director Imperial College Centre for Bioinformatics
Chair of Structural Bioinformatics