

Open PhD position in computational systems biology

Synthetic and Systems Biology Unit
Biological Research Centre
Szeged, Hungary



The Papp laboratory of the Biological Research Centre in Szeged, a Centre of Excellence of the European Union, is inviting applications for a PhD position in computational systems biology. The successful candidate will participate in bioinformatic and model-driven analysis of high-throughput omics data on antibiotic resistant strains that have been evolved under controlled laboratory conditions. In particular, this position will address key biological questions regarding the systems-level changes accompanying antibiotic resistance evolution with an emphasis on deciphering the mechanisms of cross-resistance and collateral sensitivity interactions between antibiotics. For more information on our relevant prior works on antibiotic resistance evolution, see our recent paper: <http://onlinelibrary.wiley.com/doi/10.1038/msb.2013.57/full>

For more information about our lab, please visit: www.brc.hu/sysbiol

Requirements

The candidate should have a Master degree in Biological Sciences, Computer Sciences or Physical Sciences and a strong interest in bioinformatics / computational biology. Experience in computer programming is required. Specific knowledge in systems biology, mathematical modeling, data mining and statistics will be useful but is not required. The candidate should be fluent in English.

The ideal candidate is autonomous, has a background in bioinformatics or computational biology, has excellent interpersonal skills and has a desire to engage in collaborative research.

Benefits

Joining our research group offers the possibility to work in a competitive, highly motivated and interdisciplinary team of young researchers and with close collaboration with the wet lab of Csaba Pál (www.brc.hu/sysbiol). The candidate will receive a competitive salary plus support for conference travels and participation at international courses.

How to apply

Please send your CV, along with a cover letter outlining your specific qualifications for the preferred positions including contact information for at least two references to Dr Balázs Papp at: pappb@brc.hu.

Consideration of the candidates will begin immediately until the position is filled.