

The Department of Computer Science at the University of Sheffield is offering a **Postdoc position** on

Theory of Evolutionary Computation and Population Genetics

A Research Assistant or Research Fellow position is available to work on analysing the efficiency of evolutionary processes in evolutionary algorithms and models of natural evolution.

The position is part of SAGE (Speed of Adaptation in Population Genetics and Evolutionary Algorithms,

<http://www.project-sage.eu/>

), an interdisciplinary European project in the Future and Emerging Technologies scheme. This is a fixed term post, starting Sep 1st 2015 (negotiable) and ending on Dec 31st 2016. It is based in the Department of Computer Science, University of Sheffield, and reports to Dr Dirk Sudholt. SAGE is a joint effort between four European research institutions--University of Nottingham, University of Sheffield, Hasso Plattner Institute Potsdam, and IST Austria--to develop world-leading research at the interface between Population Genetics and Computer Science. Specifically, SAGE aims at bringing together these two research fields to develop a unified quantitative theory that describes how quickly populations adapt to evolve high-fitness individuals in both natural and artificial evolution. Our goal is to reveal how this efficiency is fundamentally determined by evolutionary and environmental parameters, and how these parameters can be tuned to use evolution most effectively in applications ranging from evolutionary algorithms to experimental evolution and synthetic biology. The successful candidate will join a growing team of young and ambitious researchers that has already made excellent progress towards achieving these goals. Applications are invited from highly skilled researchers in Computer Science, Mathematics, Physics, Theoretical Biology or related areas (at the interface between computer science and biology). A good understanding of evolutionary computation and/or population genetics will be an advantage. In addition, strong mathematical and analytical skills are essential. The applicants must have (or be very close to completing) a PhD in Computer Science, Biology, Mathematics, Physics or related disciplines.

The post is available at Grade 7 (Research Associate, 29,552-37,394 per annum) or Grade 8 (Research Fellow, 38,511-40,847 per annum), depending on experience. Further details and an online application form are available from

<https://t.co/1DL71Fo2la>

Applicants need to apply through the above online system

**before August**

**26, 2015.**

Please send informal enquiries to Dirk Sudholt,

[d.sudholt@sheffield.ac.uk](mailto:d.sudholt@sheffield.ac.uk)