Programmer position

Individuals with any scientific background (Masters or PhD degree desirable) with strong expertise and interest in programming (e.g., C++, R, Python, Mathematica, open-source software development) and promoting reproducible research are welcome to apply to the available ERC-funded programmer position under the project “FIT2GO – A toolbox for fitness landscapes in evolution”. A general interest of the applicant in biology is essential.

Building on evolutionary theory, research in the lab revolves around quantifying epistasis across levels of biological organization and across environments, and to study its impact on the population genetics of adaptation and hybridization. We approach these questions through a combination of mathematical modelling, computer simulations, statistical method development, experimental evolution, and data analysis and interpretation. The long-term goal lies in understanding how ecology, evolution, and molecular constraints shape genomes.

The programmer’s missions will be the following:

● develop algorithms and code for lab projects
● provide well-documented implementation of methods and simulations to be released as supplements or software packages
● write methods, results, and manuals related to above-mentioned programming
● manage the lab’s computing resources
● assist lab members regarding computing/computer questions
● assist lab members regarding data and code management
● promote reproducibility of lab research
● maintain and extend the website

Application procedure

Applications should be sent by email to evoldynamics[@]gmail.com and include a letter of motivation, a CV, and names and contact information of at least two referees.
The earliest starting date is 1 March 2019, and the anticipated duration of the position is up to 5 years (based on a working contract according to experience/qualification). Review of applications will begin on January 10, and the call remains open until the position is filled. For more information see https://evoldynamics.org/positions/