Position: Bioinformatician / Postdoctoral Research Fellow – Microbial Genomics

Description: The Microbial Genomics and Symbiosis lab at the Gulbenkian Institute of Science (IGC) is seeking a bioinformatician or postdoctoral researcher with specialization in bioinformatics to participate in the European Research Council (ERC) funded project 101042912-BEE_GEMS ERC-2021-STG. The aim of this project is to understand how stable microbial communities form and how their constituent members interact, using the honey bee gut microbiome as a model. Firstly, we will determine how the microbiome influences gene regulation and physiological properties of the host, using transcriptomic, metabolomic and proteomic approaches. Secondly, we will use comparative genomics methods to elucidate the functional variability of gut microbial communities in order to infer the processes behind community assembly and interactions with the host. The candidate will incorporate principles of microbial ecology and evolution into analyzing and interpreting the results of their work. There will be considerable intellectual freedom for the candidate to develop their own research directions within the scope of the lab. For more information, please see www.kwonglab.com or contact Dr. Waldan Kwong in case of any questions.

Requirements:

- **PhD** in bioinformatics, computational biology, biotechnology, genomics, microbiology, evolution & ecology, or related disciplines
- Exceptionally qualified candidates holding a master's degree (**MSc**) will also be considered
- Proficient in R, Python, and Unix command-line interfaces
- Experience & knowledge in bacterial genetics/genomics
- Experience in one or more of: prokaryotic and eukaryotic genomic and transcriptomic analyses; amplicon sequencing surveys; single-cell RNAseq; metagenomics; proteomics; metabolomics
- Ability to help with basic bench work (e.g., DNA extractions, library preps) as needed
- Effective verbal and written communication skills in English

Expectations:

- Strong initiative, self-motivation, and work ethic
- Ability to work both independently and collaboratively
- Actively contribute to the intellectual environment of the lab and the institute
- Prepare and present scientific progress in seminars, conferences, and peer-reviewed publications
- Work with PI and institutional resources on professional development and preparation for next career steps

Duration: 2 years, renewable

Start date: Position available immediately, but start date can be flexible

Remuneration: Commensurate with qualifications; 1900€/mo. with PhD. Possibility for some relocation subsidy.

Location: The Instituto Gulbenkian de Ciência (IGC, www.igc.gulbenkian.pt) is a research institute devoted to biological research, innovative training and to transforming society through science. The IGC is classified as one of the top R&D Units in Portugal (scored 15/15 by FCT), and comprises 400 researchers, 30 Research Groups, 10 Facilities and 13 Support Services. Research is developed in an environment of intellectual autonomy, with full access to state-of-the-art technologies and services. Research at IGC covers a wide range of domains including cell, developmental, evolutionary and computational biology, physiology and host-microbe interactions, sociobiology, and biophysics. The IGC has been exceptionally productive in publishing high-quality papers and in competing for national and international grants, while also incorporating investment in public dissemination and outreach activities.

The IGC is located in Oeiras, 20 minutes away from central Lisbon by transit. Lisbon is the vibrant, cosmopolitan heart of Portugal. It is home to a diverse food/arts/culture scene, and there are world-renowned beaches and parks just outside the city. The climate is mild year-round, with a good quality of life.

Application: Send by email (wkwong@igc.gulbenkian.pt; subject "Bioinformatics applicant ERC") a brief cover letter stating your interest, an up-to-date CV, and contact information for 3 references. Also, please mention any technical and transferable skills in your application somewhere. Application will be open until the position is filled.