Postdoctoral position in Systems Biology of Bacterial ncRNA Regulation: Boston College, Chestnut Hill, MA

Job description
A postdoctoral position utilizing systems biology approaches to study the impacts of RNA regulators on bacterial fitness is available for a collaborative project between the Meyer and van Opijnen labs at the Biology Department at Boston College. The Meyer lab focuses on computational identification and experimental validation of novel ncRNA regulators, as well as understanding the evolutionary forces on ncRNA evolution in bacterial systems. The van Opijnen lab focuses on the application of genome-wide strategies to determine how microbial pathogens deal with and overcome stressors in their environment, and on the development of novel strategies to study bacterial pathogens. The labs are equipped with state-of-the-art technology including a robotics system, two massively parallel sequencers and a single cell analysis system, which are used in experiments that include high-throughput screens, full genome sequencing, RNA-seq, ChIP-seq and Tn-seq. For more information on each lab visit: bioinformatics.bc.edu/meyerlab/ and www.vanopijnenlab.com.

The candidate will preferentially perform both computational and experimental work (including mouse experiments) that focus on the systems biology of ncRNA regulation.

Requirements
- Ability to conduct collaborative research.
- Excellent English communication skills both in written and oral form.
- A PhD in molecular or micro- biology, computer science, bioinformatics, biochemistry, biophysics or related discipline. NB. A strong willingness and ability to learn is considered more important than experience in the topics studied by the labs.
- A track record of publications in peer-reviewed journals.
- Experience with mouse experiments, NGS-techniques, and or in statistical methods, programming languages (e.g. Python, Perl), mathematical modeling, and/or analysis of large-scale sequencing data, RNA biology of biochemistry, is a plus.

How to apply
Please send a cover letter, a letter describing your professional interests and ambitions, a curriculum vitae and contact information for at least two references to Dr. Meyer m.meyer@bc.edu. Applications will be considered until the position is filled.

The college and department
Boston College is situated on a beautiful campus dating back to the beginning of the twentieth century and is closely located to downtown Boston and Cambridge. The Biology Department and the lab have strong ongoing collaborative efforts with surrounding institutes including Harvard, MIT, and Tufts University. The core faculty in the Biology Department conducts research in areas including HIV, SIV, Toxoplasma, the immune system, and microbial community structures.