

Postdoctoral/doctoral Position in Biophysics Ben Gurion University

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Posted Dec. 27, 2024, set to expire Apr. 28, 2025

Job Title	Postdoctoral/doctoral Position in Biophysics
Department	Dept of Physics https://physics.bgu.ac.il/
Institution	Ben Gurion University Beer Sheva, , Israel
Date Posted	Dec. 27, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Biology - General Physics - General
Job Website	https://www.bgu.ac.il/

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Job Description

We are looking for a postdoctoral/doctoral fellow to join the biophysics groups of Rony Granek and Mario Feingold in the Dept. of Biotechnology and Dept. of Physics at the Ben Gurion University. Several projects are ongoing related to bacterial division and DNA segregation. We work in close collaboration with Prof. Itzhak Fishov from the Life Sciences dept.

For experiments, we use Optical Microscopy combined with Image Processing to study the cell cycle and division process in single bacterial cells. Our methods include super-resolution, optical traps and microfluidics techniques. Our main biological aims are: 1. to find the signal that initiates cell division in bacteria, 2. to understand the nucleoid segregation.

For theory, we use advanced statistical mechanics methods together with numerical simulations to

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describe phenomena related to the dynamics of DNA and/or proteins.

Candidates should hold a Ph.D./Master degree in Physics or a closely related field. Preference will be given to candidates that are experienced in biophysics, optical microscopy and/or computational analysis and to those with a theoretical background.

To apply please send your CV and three references to Prof. Mario Feingold , Dept. of Physics (mario@bgu.ac.il), or to Prof. Rony Granek (rgranek@bgu.ac.il), Dept. of Biotechnology, Ben Gurion University, Beer Sheva 84105, Israel.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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