



# DARTMOUTH COLLEGE

## *Postdoctoral Position in Applied Mathematics and Quantitative Biology*

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The Department of Mathematics at Dartmouth College invites applications for one postdoctoral appointment that can start as early as September 1, 2022. These positions will be under the direction of Ethan Levien.

Successful applicants will have the opportunity to work on a wide range of problems at the intersection of applied mathematics and biology. Potential research topics include (but are not limited to): Exploring how the architecture of gene regulatory networks constrains adaptive evolution, analyzing single-cell data to learn how growth is regulated in cancer cells, building coarse-grained models of microbial infections to motivate novel treatment protocols. There is also the opportunity to work on fundamental problems in stochastic processes and statistics motivated by these problems.

Applicants must hold (or expected to hold by the start date of their appointment) a PhD in Mathematics, Physics, Biology or a related field. The ideal candidate will be highly motivated and able to work both independently and collaboratively. In addition, they will have a research background in one or more of the following subject areas: stochastic processes, statistics, statistical mechanics, biophysics, evolutionary dynamics, or complex systems.

Dartmouth College, a member of the Ivy League, is located in Hanover, New Hampshire (on the Vermont border). Dartmouth has a beautiful, historic campus, located in a scenic area on the Connecticut River. Recreational opportunities abound in all four seasons. The department ([math.dartmouth.edu](http://math.dartmouth.edu)) is home to 22 tenured and tenure-track faculty members, as well as visiting faculty and postdoctoral fellows. The Department of Mathematics is in the School of Arts and Sciences, and has a strong PhD program and outstanding undergraduate majors.

The postdoctoral position is for at least 2 years, renewable contingent upon performance and funding. Applicants should submit a curriculum vitae, thesis abstract, statement of research plans and interests, and at least two letters of recommendation. The positions will remain open until filled. Apply via [www.mathjobs.org](http://www.mathjobs.org) — Position ID: [Dartmouth-AMCB #18371](#).

General inquiries can be sent to Tracy Moloney, Department of Mathematics, Dartmouth College, 6188 Kemeny Hall, Hanover, New Hampshire 03755-3551 ([tfmoloney@math.dartmouth.edu](mailto:tfmoloney@math.dartmouth.edu)). Specific questions on the selection process can be referred to Assistant Professor Ethan Levien ([ethan.a.levien@dartmouth.edu](mailto:ethan.a.levien@dartmouth.edu)).

Dartmouth College is an equal opportunity/affirmative action employer with a strong commitment to diversity and inclusion. We prohibit discrimination on the basis of race, color, religion, sex, age, national origin, sexual orientation, gender identity or expression, disability, veteran status, marital status, or any other legally protected status. Applications by members of all underrepresented groups are encouraged.

[math.dartmouth.edu/activities/recruiting](http://math.dartmouth.edu/activities/recruiting)

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