



# DARTMOUTH COLLEGE

## *Postdoctoral Position in Mathematics of Network Science*

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The Department of Mathematics at Dartmouth College invites applications for postdoctoral appointments in the mathematics of network science, to start as early as July 1, 2022, under the direction of Professor Peter Mucha.

Successful applicants will work on one or more interrelated collaborative projects affiliated with Mucha's research group. Current collaborative grants include support for (1) multilayer and multiscale models to integrate neuronal, behavioral, and social networks; (2) models for disease transmission across multimodal networks, with analysis of disease transmission at the human-animal nexus; (3) network-based analysis of urinary metabolomics data; and (4) development of improved software infrastructure for network analysis in R.

Applicants must hold (or expected to hold by the start date of their appointment) a PhD in Mathematics, Applied Mathematics, Statistics, Computer Science, Physics, or a related field. Successful applicants are expected to be no more than 4 years past their doctorate degree. Applicants must demonstrate previous research experience in network science. The ideal candidate will have specific background related to one or more of the collaborative research areas described above as well as a keen interest for and experience with interdisciplinary collaboration.

The postdoctoral appointee could have the opportunity to teach one or two ten-week courses, contingent on course availability in the Mathematics Department and teaching qualifications. Salary will be adjusted accordingly and set by the Associate Dean of the Arts and Sciences Division.

Dartmouth College, a member of the Ivy League and the Association of American Universities (AAU), is located in Hanover, New Hampshire (on the Vermont border). 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 positions are intended for up to three years, with an initial appointment of one year, renewable contingent upon performance. Applicants should submit a curriculum vitae, statement of research plans and interests, and at least three letters of recommendation. The positions will remain open until filled; applications completed by December 15, 2021 will receive first consideration. Apply via [www.mathjobs.org](http://www.mathjobs.org) — Position ID: [Dartmouth-MNS #18744](#).

General inquiries can be sent to Tracy Moloney, Department of Mathematics, Dartmouth College, 6188 Kemeny Hall, Hanover, New Hampshire 03755-3551 ([Tracy.F.Moloney@dartmouth.edu](mailto:Tracy.F.Moloney@dartmouth.edu)). Specific questions on the selection process can be referred to Professor Peter Mucha ([Peter.J.Mucha@dartmouth.edu](mailto:Peter.J.Mucha@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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