



THE NEED

Help support 33 postdoctoral researchers and 35 graduate students to work on vital climate research at MIT.

Learn how.

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MIT Climate Grand Challenges Advanced Research Impact Fellowships Program

The MIT Climate Grand Challenges (CGC) initiative confronts difficult problems in climate change through research and innovation focused on near-term impact and long-term transformation. To fulfill the promise of the CGC initiative, MIT relies on the intellectual energy and technical expertise of **powerhouse postdoctoral researchers and graduate students** who work with highly experienced faculty to investigate and implement big ideas.

Today, there is a **critical need** to recruit and develop a new cadre of postdoctoral associates and graduate students with diverse technical and scientific backgrounds who can quickly make substantive research contributions and help develop solutions with world-changing impact.

Introducing the **MIT CGC Advanced Research Impact Fellowships program**, which, with the visionary support of our alumni and friends, will provide immediate funding for individuals in the formative stages of their research career to join ongoing and emerging climate projects at the Institute and prepare them for lifelong climate leadership roles.

As drivers of MIT's problem-solving engine, these early-career scholars will play an essential, in-the-trenches role in unearthing and scaling evidence-based solutions to global challenges like climate change. **The result: a collective of MIT rising stars at the frontiers of knowledge and technology who will help change the trajectory of the climate crisis.**

Graduate and postdoctoral researchers are working to fuel climate-change solutions through the MIT Climate Grand Challenges initiative.

MIT CLIMATE GRAND CHALLENGES ADVANCED RESEARCH IMPACT FELLOWSHIPS PROGRAM

Driving Advanced Research

Climate Grand Challenges Advanced Research Impact Fellows shoulder the complex responsibility of the climate challenge. The frontier knowledge and humanity-first leadership they develop as participants in the program will position the fellows for near-term impact in reducing emissions and in helping communities prepare for and respond to unavoidable climate changes. Fellows help drive advanced research in the following areas—and more—as the initiative expands:

- industrial decarbonization,
- agricultural system sustainability and resiliency,
- biotechnology,
- advanced climate computing, and
- sustainable fuels.

Developing a New Generation of Climate Leaders

Beyond the work they do on leading-edge research projects, fellows will form a cohort of future climate game changers. A leadership development program will prepare fellows for long-term careers in the climate-change solutions space. Fellows will receive focused climate education and career development opportunities led by MIT experts from the policy, leadership development, and entrepreneurship fields. Cohort members will develop lasting networks beyond MIT that will position them as leaders in addressing complex global challenges.

THE IMMEDIATE NEED

The Climate Grand Challenges Fellowship program seeks immediate expendable funds for:

- **33 postdoctoral researchers:** \$350K supports a named two-year fellowship for one postdoc.
- **35 graduate student research assistants:** \$300K supports a named two-year fellowship for one assistant.

Named cohorts of distinguished fellows can be created. For example, an expendable gift of \$1M would name a three-member cohort of researchers for two years, advancing significant progress on climate research.

CGC also welcomes endowed gifts, which will have a definitive, lasting impact on the researchers and students on climate's front lines.

ABOUT CLIMATE GRAND CHALLENGES

Climate Grand Challenges is a whole-of-MIT initiative delivering high-impact climate solutions for the world. CGC seeks to establish a robust pipeline for rapidly developing forefront technologies and solutions for addressing the causes and negative impacts of climate change. CGC is mobilizing MIT's research community and leveraging the Institute's convening power and fundraising capacity to identify, launch, and finance innovation challenges and advanced research programs focused on scaling solutions to difficult climate-related problems.

Employing a moonshot model with a lean structure and unique innovation acceleration cycle, CGC is ensuring that climate investments swiftly and efficiently drive focused research for impactful outcomes by:

- leveraging MIT's innovation capabilities,
- openly evaluating all solution concepts,
- actively managing focused climate programs, and
- developing strategies to catalyze deployment and adoption of resulting technologies and solutions.



climategrandchallenges.mit.edu

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