



Georgia Drawdown Postdoctoral Fellowship Georgia Institute of Technology

The Georgia Drawdown Initiative seeks two recent PhDs to become Georgia Drawdown Postdoctoral Fellows. The Initiative aims to create a transformational vision for the state of Georgia. Candidates will have the opportunity to participate in research and to collaborate with Principal Investigators and faculty from Georgia Institute of Technology, the University of Georgia, and Emory University, which comprise the core partners of the Georgia Climate Project. The team will deliver an assessment that identifies a set of the most promising climate mitigation solutions for Georgia (see <http://georgiadrawdown.org> for more information). Rigor, objectivity and credibility will be emphasized, enabling robust deliverables that can provide a foundation for future efforts.

Candidates must have successfully defended their dissertations and the PhD degree must be conferred prior to the start date of the fellowship appointment. The Georgia Drawdown postdoctoral fellowship is a one-year appointment, which may begin as early as June 1, 2019. Candidates are expected to demonstrate exceptional research, training, and expertise on technologies, systems, and/or policies that can significantly reduce greenhouse gas (GHG) emissions and/or sequester, store or utilize greenhouse gases in the state of Georgia.

One post-doc will support the steering committee in liaising with the Project Drawdown team to identify and develop appropriate methodology for the carbon- and cost-based analysis of carbon drawdown solutions. Candidates for this position should have a PhD in fields related to climate change mitigation. A second post-doc will work with an interdisciplinary “beyond carbon” working group that will develop and apply a framework to assess the equity, health/wellness, economic development and/or ecosystems impact aspects of the solutions. Candidates for this position should have experience with analyzing both social and environmental externalities and undertaking participatory impact assessment related to technology and policy solutions, and can hold PhDs in a range of disciplines including but not limited to the social sciences, health, or environmental science.

We are particularly interested in qualified applicants with research and training expertise related to the following areas—or a combination of these areas:

1. Inventorying current greenhouse gas (GHG) and modeling and assessing forecasts of future emissions.
2. Evaluating the magnitudes, costs, and benefits of different mitigation measures across major sectors of the economy, with a special emphasis on those that are particularly pertinent to Georgia.
3. Working with Python and/or other software tools that can facilitate modeling of GHG emissions within and across sectors.
4. Understanding the many factors that intersect with GHG accounting exercises, such as the role of markets, cities, communities, economic development, ethics, other pollutants, energy security, commercial viability, and so forth.
5. Integrating the results of multiple groups and tasks on the Georgia Drawdown project, for internal use, external communication, special events, and stakeholder engagement.

Fellows are supported in their professional development toward academic and non-academic career paths through collaborative research, administration, publishing, and public relations.

Applicants should submit 1) a cover letter; 2) curriculum vitae; 3) 1 or 2 relevant publications; 4) a research statement including a 1-2 page description of your future research plans and how this position fits in your research trajectory; and 5) names and contact information for three references. Applicants should ask their referees to send their letters of reference directly to drawdown@gatech.edu. Applicants should submit all of the other application materials in a combined .pdf format to drawdown@gatech.edu. Applications will be accepted through May 6, 2019.

Requests for information may be directed to the search committee chair, Dr. Marilyn Brown at drawdown@gatech.edu. A background check must be completed prior to employment.

Georgia Tech is a top-ranked public research university situated in the heart of Atlanta, a diverse and vibrant city with great economic and cultural strengths. The Institute is a member of the University System of Georgia, the Georgia Research Alliance, and the Association of American Universities. Georgia Tech prides itself on its technology resources, collaborations, high-quality student body, and its commitment to diversity, equity, and inclusion.

We believe diversity is foundational to creating the most intellectually vibrant and successful academic communities; therefore, we are committed to building and sustaining a socially just, equitable, and inclusive academic unit. Georgia Tech is an equal education/employment opportunity institution dedicated to building a diverse community. We strongly encourage applications from women, underrepresented minorities, individuals with disabilities, and veterans. Georgia Tech has policies to promote a healthy work-life balance and is aware that attracting faculty may require meeting the needs of two careers.