

Postdoctoral Associate (PRODiG+ Scholar), Clean Energy
University at Buffalo, The State University of New York

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Posted Jan. 16, 2025, set to expire Aug. 4, 2025

Job Title	Postdoctoral Associate (PRODiG+ Scholar), Clean Energy
Department	School of Engineering and Applied Sciences
Institution	University at Buffalo, The State University of New York Buffalo, New York
Date Posted	Jan. 16, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Graduate Student
Academic Field(s)	Energy Technology
Job Website	https://www.ubjobs.buffalo.edu/postings/55249
Apply By Email	
Job Description	

Job Summary

The University at Buffalo (UB), a premier, research-intensive public university, invites inquiries and applications for Promoting Recruitment, Opportunity, Diversity, Inclusion and Growth plus (PRODiG+) Scholars in various fields for two-year terms. The School of Engineering and Applied Sciences specifically solicits applications from candidates in Mechanical Engineering or Chemical and Biological Engineering with a focus on Clean Energy, broadly construed.

For applicants in the Department of Mechanical & Aerospace Engineering, preferred research interests include wind-energy conversion technologies, renewables (e.g., nanomaterials), solar or other clean energy technologies.

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For applicants in the Department of Chemical & Biological Engineering, preferred research interests include carbon capture and conversion, energy conversion and storage (photovoltaics, batteries, electrochemistry) and utilization of renewable feedstocks for materials and energy.

SUNY PRODiG+ scholars hired into SEAS will have a strong record of research and the ability to collaborate with interdisciplinary teams across SEAS. They will receive both individual and cohort mentoring and will benefit from professional development opportunities and programming. The candidate should have PhD in hand no later than May 2025 and should have received their PhD no earlier than May 2021.

About University at Buffalo

A member of the Association of American Universities (AAU), a flagship and the largest and most comprehensive public research university in the State University of New York (SUNY) system, UB is an internationally renowned center for academic excellence. UB enrolls nearly 32,000 students; has a distinguished faculty of over 1,500 full-time members; and is home to more than 120 research centers and institutes.

UB's distinguished faculty include members of the National Academy of Engineering, the National Academy of Medicine, the National Academy of Education, and the American Academy of Arts and Sciences. In addition, UB faculty have been recipients of many of the most prestigious awards in their fields, including in recent years the International Prize in Statistics, NSF Career Awards, Grammy Awards, and fellowships from the Guggenheim Foundation, National Endowment for the Humanities, National Humanities Center, and Harvard Radcliffe Institute, to name a few. UB's students are also regular recipients of the nation's most prestigious scholarships, fellowships and awards.

SUNY is the nation's largest and most comprehensive state university system, consisting of 64 campuses including major research universities, health science centers, comprehensive and technical colleges, and community colleges, all committed to providing a broad range of outstanding academic programs for students within New York and from around the world. It enrolls more than 363,000 students annually, employs more than 83,000 faculty and staff, and connects more than three million alumni around the world.

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Recognizing that a diverse, equitable and inclusive community is an essential foundation for achieving excellence and success, the University at Buffalo has long been committed to fostering diversity, inclusivity, and accessibility on campus. Enhancing campus diversity and promoting a university-wide culture of equity and inclusion are critical to UB's goal of becoming one of the [Top 25](#) public institutions in the nation. In support of this commitment to enhancing diversity, equity and inclusion, UB is recruiting post-doctoral fellows as part of SUNY's PRODiG+ initiative.

Diversity, equity, and inclusion constitute one of SUNY's four priority pillars and are integral to all SUNY initiatives. As part of this commitment, SUNY seeks to increase the number of excellent diverse faculty committed to advancing the ideals of diversity, equity, and inclusion who are selected for and excel in tenure-track positions.

The PRODiG+ Fellowship is open to any and all prospective candidates regardless of race, color, national origin, or sex, and is consistent with all current governing federal and state nondiscrimination law. All application submissions will be assessed and evaluated in accordance with the required eligibility criteria.

Outstanding Benefits Package

Working at UB comes with benefits that exceed salary alone. There are personal rewards including comprehensive health and retirement plan options. We also focus on creating and sustaining a healthy mix of work, personal and academic pursuit – all in an effort to support your work-life effectiveness. We support your growth and development through our career coaching and training department and we qualify as a public service loan forgiveness organization. Learn more about our [benefit packages](#).

Land Acknowledgement

UB acknowledges that our campuses operate on land that is the traditional territory of the Seneca Nation, a member of the Haudenosaunee Confederacy, and the region remains the home of the Haudenosaunee people. Further, we responsibly acknowledge the continuing impact of settler colonialism on the Haudenosaunee and their territories.

Our scholarly community values Indigenous cultures, histories, traditions, knowledge systems, and political entities and deeply appreciates the important role of Indigenous people in the history, the present and the future of our region, this country and the world.

Buffalo Niagara Region

As a world-renowned research university, UB's intellectual capital and innovation are playing a vital role in Buffalo's resurgence as a thriving city that is a magnet for talented professionals, artists,

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entrepreneurs, and innovators who recognize the tremendous energy and momentum gathering here. Home to one of the nation's fastest growing populations of college graduates, the [Buffalo-Niagara region](#), with 1.2 million residents, is the state's second largest major metropolitan area, exceeded only by New York City. The region includes a diverse blend of communities, each with its own distinct personality, yet commonly characterized by a distinctly neighborly way of life, an unpretentious nature and spirited loyalty among residents. Buffalo's own strong sense of community, easy lifestyle, and affordability regularly place it in top ten lists from a variety of national publications for its overall quality of life.

With vibrant and growing communities of color and immigrant communities, Buffalo offers an impressive array of cultural and recreational opportunities uncommon for a city of its size. Buffalo's rich cultural resources reflect its distinguished history and commitment to sustaining the arts, including the Grammy Award-winning [Buffalo Philharmonic Orchestra](#); the world-class collection of modern painting and sculpture at the [Albright-Knox Art Museum](#); an extensive array of historic architectural treasures designed by Frank Lloyd Wright, H.H. Richardson, Louis Sullivan, and Eero and Eliel Saarinen; an expansive park system (including Delaware Park), considered to be the very best work of designer Frederick Law Olmsted; and a variety of summer festivals. The city is home to the state's largest concentration of theaters outside of New York City. From the [Michigan Street Baptist Church](#), to the [Niagara Falls Underground Railroad Heritage Center](#), to the [Colored Musicians Club and Jazz Museum](#), the Buffalo Niagara region has a rich African-American heritage to explore. Buffalo is a family friendly, livable and affordable city, with Niagara Falls, one of the major tourist attractions of the world, a short drive away. Buffalo is close to two wine growing regions—Niagara Escarpment and the Finger Lakes region—and it was named one of the [Top 10 Food Cities](#) by National Geographic. In addition, the Adirondack Mountains are half-day's drive from Buffalo.

Rich in natural resources and beauty, the Buffalo-Niagara area is a four-season region that offers the best for seasonal sports enthusiasts. University at Buffalo fans enjoy a full complement of NCAA division I sports with the UB Bulls, as well as the NFL's Buffalo Bills, the NHL's Buffalo Sabres, Triple-A baseball's Buffalo Bisons, and the National Lacrosse League's Buffalo Bandits.

Less than a two-hour drive from Buffalo across the United States-Canada border is Toronto, the cultural, entertainment, and financial capital of Canada. Buffalo is also ideally located for easy access to many of America's major cities. The Buffalo-Niagara International Airport offers direct flights to more than 20 cities, including New York, Boston, Philadelphia, Chicago, and Washington, DC, all only an hour's flight away.

University at Buffalo is an affirmative action/equal opportunity employer and, in keeping with our

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commitment, welcomes all to apply including veterans and individuals with disabilities.

Minimum Qualifications

- Be eligible to work in the United States without a visa sponsorship;
- Earned PhD or relevant terminal degree from an accredited institution completed prior to start date; and
- Demonstrate personal, academic, and/or work experience engaging with diversity, equity, and inclusion and/or a commitment to facilitating and enhancing diversity, equity, and inclusion efforts in the campus community. Such experience may include, but is not limited to, an academic/scholarly track record focused on diversity, equity, and inclusion; work, volunteer/unpaid/community service; or related experience/expertise in serving underserved or vulnerable areas and/or populations.

Preferred Qualifications

Preference will be given to candidates who are:

- Current SUNY students, alumni, and/or Fellows.
- From a low-income background (e.g., Pell-eligible as undergraduates), were first-generation college students (students whose parents have not earned a bachelor's degree), have overcome adversity, are AmeriCorps alumni, or are veterans.

Contact Information

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

Contact