

Appendix I:
Natural Sciences Pre-Professoriate Fellowship, 2018-2020

<http://apply.interfolio.com/52210>

The Department of Physics, Atmospheric Physics Program (ATPH), at the University of Maryland Baltimore County (UMBC) invites applications for the Atmospheric Physics Pre-Professoriate Fellowship. Candidates with research and teaching interests in the broad area of numerical climate and/or weather modeling, including but not limited to boundary layer processes, numerical simulation of aerosol-cloud interactions, cloud and aerosol parameterization in climate models, computational fluid dynamics, and data assimilation, will be considered. Candidates are expected to contribute to the diversity and excellence of the department and group through research, teaching and service. We seek candidates who have the potential to establish a vigorous, externally funded, research program that complements existing faculty research interests, and who are able to teach effectively both the undergraduate physics curricula and graduate atmospheric courses in the ATPH program. A PhD in Atmospheric Physics or in a closely related field is required. A list of course syllabi can be found in <https://physics.umbc.edu/undergrad/syllabi/>. The profile of the current Atmospheric Physics faculty of UMBC can be found in <https://physics.umbc.edu/research/atmospheric/>

The purpose of the Pre-Professoriate Fellowship is to support promising scholars who are committed to diversity in academia and prepare those scholars for a possible tenure track appointment at UMBC upon completion of the two-year appointment period. We are particularly interested in receiving applications from individuals who are members of groups that historically have been underrepresented in the professoriate.

UMBC is a national model for diversity and inclusive excellence in STEM through its Meyerhoff Scholar <http://meyerhoff.umbc.edu/> and Graduate Fellows programs (<http://meyerhoffgrad.umbc.edu/>); two of the most innovative and successful programs in promoting diversity and preparing students from underrepresented groups for careers in STEM. UMBC is a dynamic public research university integrating teaching, research and service. The department offers a BS and BA in Physics, and both MS and PhD degrees in Physics and in Atmospheric Physics. The ATPH program has 5 tenured/tenure-track professors and about 15 graduate students and a vibrant and well established long-term collaboration with various NASA research centers including a the Joint Center for Earth Systems Technology, (JCET; <http://jcet.umbc.edu>).

The fellow will be appointed as a Research Assistant Professor for a two-year term beginning August 2019. During the two-year term of appointment, the fellow will teach one course (one semester only) per year. Most of the fellow's time will be devoted to pursuing research. Highly experienced research and teaching mentors will meet with the fellow regularly to provide guidance on developing a pedagogically sound teaching philosophy and plan, and improving the skills needed to pursue an academic research career, including proposal and manuscript writing, and technical presentation skills. The fellow will also benefit from professional development opportunities across the campus. After the end of the two-year fellowship, the candidate can be promoted to the tenure-track Assistant Professor level if the research and teaching performance of the candidate meets the expectation of the department and university.

Interested candidates should upload all required materials listed in the application instructions below on the Interfolio website at <http://apply.interfolio.com/52210>. For best consideration submit application materials by March 19th 2019. Applications will be received until a suitable candidate is identified. Candidates will be selected on the basis of scholarly promise and the potential to add to the diversity of the UMBC community.

Application Instructions: to apply, please visit <http://apply.interfolio.com/52210>

Deadline: Full consideration will be given to those applicants who submit all materials to by MARCH 15, 2019. A complete submission will consist of:

- 1) Cover Letter
- 2) Curriculum Vitae
- 3) Three Letters of Reference
- 4) Statement of Proposed Research Plan (2-3 pages)
- 5) Personal Statement that details your demonstrated commitment to diversity efforts and the mission of UMBC, and why you should be selected for this position (1-3 pages)
- 6) Teaching Statement (1-2 pages)

Questions regarding the program may be addressed to: Dr. Belay Demoz, bdemoz@umbc.edu, however all application materials MUST be submitted through Interfolio.

The University of Maryland Baltimore County is an Equal Opportunity Employer/Affirmative Action. UMBC is the recipient of an NSF ADVANCE Institutional Transformation Award to increase the participation of women in academic careers.

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