

ERIKA E. A. BROWN

APS Education and Diversity Programs Manager, American Physical Society
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PROFESSIONAL PREPARATION

Spelman College, Atlanta, GA

B.A., Psychology, Cum Laude, 2007

Brown University, Providence, RI

Ph.D., Psychology (Thesis advisor: Andrea M. Simmons), 2014

M.S., Psychology, (Thesis advisor: Andrea M. Simmons), 2010

APPOINTMENTS

American Physical Society, College Park, MD

2016 – Present

Program Manager: APS Bridge Program, IGEN, APS-IDEA

Spelman College, Atlanta, GA

2014 – 2016

Visiting/Adjunct Professor, Department of Biology & Department of Psychology

Emory University, Atlanta, GA

2013 – 2016

FIRST (IRACDA) Postdoctoral Fellow, Department of Cell Biology

Brown University, Providence, RI

2008 – 2013

PhD Candidate, Department of Cognitive, Linguistic and Psychological Sciences

PUBLICATIONS

(i)

Hodapp, T., and Brown, E.E.A. (2018). Making Physics More Inclusive. *Nature*, 557. DOI: 10.1038/d41586-018-05260-4.

Cochran, G.L., Hodapp, T., and Brown, E.E.A. (2018). Identifying barriers to ethnic/racial minority student's participation in graduate physics. *2017 PERC Proceedings*, pgs 92-95. DOI: 10.1119/perc.2017.pr.018.

(ii)

Brown E.E.A., and Simmons, A.M. (2016). Variability of Rheotaxis Behaviors in Larval Bullfrogs Highlights Species Diversity in Lateral Line Function. *PLoS ONE 11*(11): e0166989
<https://doi.org/10.1371/journal.pone.0166989>

Alexander, E.E. and Simmons, A.M. (2015). Anatomical changes in the inner ear of the bullfrog across metamorphic development. *Proceedings of Meetings on Acoustics*, DOI: 10.1121/2.0000011.

Simmons, A.M. & Alexander, E.E. (2013). Development of the statoacoustic system of amphibians. Chapter 13 of *Development of Auditory and Vestibular Systems-4e*. R. Romand and I. Varela-Nieto (eds). Elsevier.

SYNERGISTIC ACTIVITIES

Program Manager, the APS Inclusion, Diversity, and Equity Alliance (APS-IDEA).

The APS Inclusion, Diversity, and Equity Alliance (APS-IDEA) is a 2019 APS Innovation Fund initiative with a mission of empowering and supporting physics departments, laboratories, and other organizations to identify and enact strategies for improving equity, diversity, and inclusion (EDI).

Program Manager, the Inclusive Graduate Education Network Alliance (IGEN).

IGEN is an effort to establish a set of partnerships and programs to improve equity in graduate education within and across disciplines in the physical sciences, by supporting the professional and academic development of UREM students at all levels (undergraduate, graduate and post-graduate). It is an NSF INCLUDES Alliance, and in 2018, was awarded \$7M over 5 years to partner with other professional societies to expand the APS BP model to the other physical sciences disciplines (chemistry, astronomy, materials research, and geophysical science).

Program Manager, the American Physical Society Bridge Program (APS-BP).

The APS-BP is an effort to increase the number of physics doctoral degrees awarded to students from underrepresented racial and ethnic minorities in physics. Since 2012, the project received over \$3M in support from the NSF (NSF-1143070). Brown currently manages the project, advising and coordinating site activities and leadership along with tracking data on student achievement.

Program Manager, the Inclusive Graduate Education Network (IGEN) ddp.

IGEN is an effort to increase the numbers of physics doctoral degrees awarded to women and underrepresented ethnic and racial minorities in physics. IGEN is an NSF INCLUDES Design and Development Launch Pilot, which received \$300k to develop the program (NSF-1649297). Brown currently manages the project, working with the PI team to organize meetings, surveys, webinar, and the website.

Postdoctoral Researcher, Fellowships in Research and Science Teaching (FIRST).

The FIRST program provides postdoctoral fellows with both research support and training in teaching methods. Fellows are paired with a research mentor at Emory and a faculty teaching mentor at one of the three Minority Serving Institutions in the Atlanta University Center. Brown designed and taught several new courses within the Spelman College departments of Biology and, while mentoring and advising undergraduate juniors and seniors.