Justice Toshiba Walker

PI: [ABC Learning Lab](#)
College of Education | Teacher Education Division
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Appointments

Assistant Professor, The University of Texas at El Paso   August 2020-current
STEM Education, Teacher Education, College of Education
Biology (by courtesy), Biological Sciences, College of Science

Postdoctoral Fellow, University of Pennsylvania   August 2019
Teaching, Learning, and Leadership Division

Education

Ph.D. University of Pennsylvania Graduate School of Education   August 2019
Thesis Title: *When Biology Learning Paradigms Shift: What Middle School Students Know, Think, and Learn about Synthetic Biology*
Dissertation Committee: Yasmin B. Kafai (chair), Iris Tabak, Sigal Ben-Porath

M.S. University of Pennsylvania School of Engineering and Applied Science   May 2012
Concentration: Biopharmaceutical & Engineering Biotechnologies
Advisor: Scott L. Diamond

B.S. University of Miami College of Arts and Sciences   May 2005
Concentration: Biology and English Literature
Thesis Title: *Non-Steroidal Anti-Inflammatory Drugs Elicit Apoptosis in Colon Cancer Cells via Caspase-dependent Pathways* Advisor: Michael S. Gaines

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Sponsored Research:

The University of Texas at El Paso College of Education
NSF Grant #1342582: *An Online Tool to Support Productive Struggles and Improve the Self-Efficacy of Undergraduate Students in Introductory Computer Science Courses.* **Co-Principal Investigator: Justice T. Walker** (University of Texas at El Paso). Co-Principal Investigator: Mahmud Hossain (University of Texas at El Paso) and Monika Akbar (University of Texas at El Paso). 6/15/2022-5/31/2025 Amount: **$299,950**.

The University of Texas at El Paso College of Education
NSF Grant #2137708: *BPC-DP Coding Like a Data Miner: A Culturally Relevant Data Analytics Intervention for High School Students.* **Principal Investigator: Justice T. Walker** (University of Texas at El Paso). Co-Principal Investigator: Omar Badreddin (University of Texas at El Paso) and Amanda Barany (Drexel University). 10/01/2021-9/30/2023 Amount: **$299,949**.

University Research Institute Grant #14648663: *Synthetic Biology and Me: A Culturally Relevant Secondary School Professional Development Pilot Implementation.* **Principal Investigator: Justice T. Walker** (University of Texas at El Paso). Amount: **$5,000**.

<u>**Editorships**</u>

Walker, J.T., McGrath, J. Guilbert, A., Milone, V., Padilha, E., Hu, A., Chan, D., Luursema, J.M., Seyfried, G., Chavez, M., & Kong, D.S., (Eds.), 2022. Proceedings of the Global Community Bio Summit (GCBS) 5.0, Cambridge, Massachusetts. Retrieved from: www.biosummit.org.

Walker, J. T., Strawhacker, A., Angleton, C., Allan, J., Konwar, A., Obayomi, O. & Kong, D. S., (Eds.), 2021. Proceedings of the Global Community Bio Summit (GCBS) 4.0, Cambridge, Massachusetts. Retrieved from: www.biosummit.org.

<u>**Journal Reviewer Activities**</u>

The Journal of Negro Education	2016-current
Interactive Learning Environments	2018-current
International Journal of Child-Computer Interaction	2019-current
Journal of Research in Science Teaching	2021-current
Digital Culture and Education	2022-current

<u>**Conference Reviewer Activities**</u>

The American Educational Research Association (AERA)   2016-current
SIG-Advanced Technologies for Learning
SIG-Learning Sciences
SIG-Science Teaching and Learning
Division C: Learning and Instruction

FabLearn Conference	2018-current
Connected Learning Conference	2022-current

<u>**Professional Service**</u>

Insights El Paso Science Center
Board Member (Secretary)   2021-current

National Association for Research on Science Teaching (NARST)
Equity and Ethics Committee Co-Chair   2021-current
Basu Scholars Sub Committee CChair   2021-current

The University of Texas at El Paso

Teacher Education Department Undergraduate Curriculum Committee	2022-current
UTEP AWARE	2021-current
STEMERS Organizing Committee	2021-current
Ethnography of Languages, Literacies, and Learning (EL3) Lab: QOC Organizing Committee	2021-current
Black Affinity Group	2020-current
Teaching, Learning and Culture Doctoral Program Committee	2020-current

University of Pennsylvania Graduate School of Engineering and Applied Science   2018-current
Alumni Undergraduate Admissions Interviewer

<u>**Professional Memberships**</u>
National Association for Research in Science Teaching (NARST)   2021-current