**Uchenna Emenaha Ph.D.**

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**EDUCATION**

**2020** **Ph.D., Curriculum and Instruction**, Science Education

College of Education, University of Houston, Houston, TX

**2015** **Master of Education,** Health Education

College of Education, Texas Southern University, Houston, TX

**2004 Bachelor of Science, Biology**

College of Science & Math, Houston Baptist University

**2004 Bachelor of Science, Communication**

College of Humanities, Houston Baptist University

**ACADEMIC POSITIONS**

2020-current **Assistant Professor,** University of Texas at San Antonio

Summer 2020 **Instructor**, American Museum of Natural History

2018-2020 **Instructor,** *teach*Houston Program, University of Houston

2016-2018 **Graduate Teaching Assistant**, College of Education, University of Houston

2016-2020               **Graduate Research Assistant**, University of Houston

2015-2016              **Adjunct Professor,** Relay Graduate School of Education

**CERTIFICATIONS/ K-12**

Grade 4th-8th Secondary Science Teacher Certification, State Board of Education

Grade 8th-12th Secondary Life Science Teaching Certification, State Board of Education

Grade 4th-12th English as a Second Language Teaching Certification Supplement, State Board of Education

**Research**

My research informs and is informed, by culturally responsive teaching practices and is grounded in inquiry-based constructivist teaching strategies that address the specific needs of all students, particularly marginalized student populations. At its core, my work's purpose is to produce a varied body of literature that bridges the gap between social issues, science instruction, and students' lived experiences.

**PUBLICATIONS-PEER-REVIEWED/REFEREED**

**Emenaha, U.** (submitted). Deconstructing social constructs: Teacher’s perspectives when teaching

race and human diversity in the science classroom. *The Journal of Research and Science Teaching,*

**Emenaha, U**. (accepted minor revisions). Reimagining a Culture of Equality (R.A.C.E.) lesson:

Discussing race in the science classroom. *The American Biology Teacher*,

**Emenaha, U**. (2020). Using pop culture to teach genetics: Teaching patterns of inheritance

using students’ favorite celebrity couples. *The Science Teacher, 88*(1), 54-58.

**Emenaha, U**. & Perry, A. A. (2019). Lights, camera, and a call to action: Women in media

help promote science identity in female students. Journal of Virginia Science Education

**Emenaha, U**. (2019). Learning to argue like a scientist when discussing social issues. *The*

*Science Teacher Bulletin*, *82*(2), 1-5.

**Emenaha, U**. (2018). The science of fake news: Use of socio-scientific issues in the modern

science classroom. *The STATellite*, *61*(2), 21-22.

Zhang, J. Wong, S., Relyea, J. E., Wui, G., & **Emenaha, U**. (2017). Designing a socio-scientific

issue curriculum on space exploration: Dialogic inquiry approach for English learners. *English in Texas*, *47*(2), 7-12.

**Creative PUBLICATIONS-PEER-REVIEWED/REFEREED**

**Emenaha, U**. (accepted minor revisions). Still waiting for a cure. *Journal of Multicultural Affairs,*

**Works in progress**

**Emenaha, U. (**data collection completed). Where do I stand?: Exploring science teacher

positionality within culturally responsive instruction on race.

**Thacker, I. & Emenaha, U (**data collection phase). Examining STEM pre-service teacher implicit

racial bias in classroom management.

**Emenaha, U. & Thacker, I. (**data collection phase). But, I was not raised that way?: Shifts in STEM

pre-service teachers understanding of implicit bias.

**Emenaha, U. & Gehrtz, J.** (in progress). Leveraging and Learning: Exploring how STEM teacher

educators reflective teaching practices impact instruction.

**\*Emenaha, U. & Hernandez, J.** (in progress). The Mystery of The Alamo: Using Science to

Explore the Effects of Acid Rain on Historic Buildings.

*\*Denotes student collaboration*

**PRESENTATIONS-PEER-REVIEWED/REFEREED**

**International Conferences**

Nguyen, H., **Emenaha, U.**, Evans, P., & McAlister-Shields, L. (2020). Enacting potential:

Examining impacts of *teach*HOUSTON program on Asian American pre-service STEM

teacher. International Association of Asian Studies, Dallas, Texas.

**National Conferences**

**Emenaha, U.** (2020). But I read it on the internet: Designing lessons to support students

scientific reasoning skills. Annual Conference for Middle Level Education (AMLE), Baltimore, MD. (virtual)

**Emenaha, U**. & Perry, A. A. (2020). STEM woman in film: Leveraging the Scully Effect in the

middle school classroom. Annual Conference for Middle Level Education (AMLE), Baltimore, MD. (virtual)

**Emenaha, U.** (2020). Supporting understanding of human diversity through classroom

discourse. National Science Teachers Conferences on Science Education, Boston, Massachusetts. (Conference Cancel)

**Emenaha, U**., Ademosu, K., & Evans, P., (2019). A lesson on race and human diversity:

Culturally relevant pedagogy in biology classes. National Association of Biology Teachers (NABT) Professional Development Conference, Chicago, Illinois.

**Emenaha, U.** & Perry, A. A. (2019). Lights, camera, and a call to action: How women in

media promote science identity in young females.  Pop Culture Association Conference (PCA), Washington, DC.

Doherty, K. M., **Emenaha, U**., & Perry, A. A. (2018). What Does This Have to Do with Me?

Utilizing Culturally Relevant Pedagogy in Core Subjects. Annual Conference for Middle

Level Education (AMLE), Orlando, Florida.

Wong, S., Lionnel, R., Jennifer, R., & **Emenaha,** **U**. (2018). Middle school science and

mathematics teachers’ understanding of the nature of science: A two-year study. American Education Research Association (AERA). New York, NY.

**Emenaha, U**. (2017). Increasing minority participation in STEM through mentorship. National

Conference of Race and Ethnicity (NCORE). Ft. Worth, TX.

**Emenaha, U.** (2017). Effects of a genetic STEM camp on students’ self-identity. National

Consortium for Instruction & Cognition (NCIC). San Antonio, TX

**State Conferences**

**Emenaha, U.** (2019). Addressing misconceptions about race and genetics. Science Teachers

Association of Texas, Dallas, Texas.

Evans, P., McAlister-Shields, L., Ademosu, K., & **Emenaha, U**., (2019). Towards a liberatory

pedagogy: Culturally responsive teaching of STEM teachers. Texas National Association for Multicultural Education Conference (TXNAME), Nacogdoches, Texas.

Evans, P., McAlister-Shields, L., **Emenaha, U**., Nguyen, H., Ademosu, K., (2019). Lifting the

tide: Preparing STEM pre-service educators for impactful secondary teaching careers. Greater Houston Area STEM Conference, Houston, TX.

**Emenaha, U.** (2018). Developing science identity with use of socio-scientific issues intervention

lessons. Texas National Association for Multicultural Education Conference (TXNAME), Frisco, Texas.

Perry, A. A., **Emenaha, U.**, & Doherty, K. M., (2018). CRP and me: Applying culturally relevant pedagogical strategies to the core subjects. Texas National Association for Multicultural Education Conference (TXNAME), Frisco, Texas.

**Emenaha, U**. (2017). Peripheral involvement of outside STEM leaders in urban schools.

University of Houston College of Education Research Symposium. Houston, TX

**Invited tALKS- PEER-reviewed/refereed**

**Emenaha, U.** (2017). Socio-science issues in public education. Gradual Research & Scholarship

Project (GRaSP), Houston, Texas.

**Invited Panelist-nOT PEER-reviewed/refereed**

**Emenaha, U**. What is social justice education? African Student Association (ASA) Career Expo.

Houston Baptist University (April 2017).

**Guest Lecturer**

**Emenaha, U**. (2017) Teaching socio-scientific issues to bridge the gaps in science literacy for

English Language Learners. University of Houston.

**Emenaha, U.** (2016) Using inquiry to create student centered 5E physics lessons. University of

Houston

**FELLOWSHIPS**

2018 Science Communication Conference Student Fellow, Rice University

2016-2020            Graduate Tuition Fellowship, University of Houston (60,000)

2002  Leadership Fellow, Alpha Kappa Alpha Sorority Inc.

**AWARDS**

2020           Student Scholar Award, National Conference on Race & Ethnicity (NCORE)

2017 GRaSP Talk Finalist, University of Houston

2017            Student Scholar Award, National Conference on Race & Ethnicity (NCORE)

2003 Congressional Recognition Community Service Award, Mayoral Office of Houston

**GRANTS**

2019  Research Travel Grant, College of Education-University of Houston ($1000)

2018 Cullen Fellowship Grant, Graduate School- University of Houston ($750)

2017                    Research Travel Grant, College of Education-University of Houston ($500)

2016                    Alief Independent School District Campus Innovation Grant ($1,000)

2011                    Association of Texas Professional Educators (ATPE) Grant ($1,000)

**Grants – Pending/Unfunded**

**AERA Education Research Service Projects (ERSP) Initiative Grant (submitted August 31) Responded to the call on the *COVID-19 and Systemic Racism Pandemics***

**Role: PI**

**Amount: $5,000**

**SCHOLARSHIPS**

2020 Dissertation Writing Course Scholarship ($100)

2019 Faith Gladstone Marshall Endowment Scholarship, University of Houston ($800)

2017 Don and Jacqueline Hawkins Endowed Scholarship, University of Houston ($1,500)

2017 Eugene Chiappeta Texas Chemical Council Scholarship, University of Houston ($1,500)

2002 Education Advancement Foundation Scholarship, Alpha Kappa Alpha Sorority Inc.

($1,000)

**Undergraduate**

Fall 2020 *IDS 3003 STEM in Social Context*, The University of Texas at Austin

2018-2020 *CUIN 1101 Teaching Science and Math, teach*Houston ProgramUniversity of

Houston

**graduate**

Summer 2020 *Evolutionary Biology* *Seminar*, American Museum of Natural History

Fall 2015 *SCI 110* *Introduction to Secondary Science Teaching*, Relay Graduate School of

Education

Fall 2015 *SCI 111 Fundamentals of Inquiry,* Relay Graduate School of Education

Spring 2016 SCI *112* *Inquiry Through Labs,* Relay Graduate School of Education

Spring 2016 *SCI 113 Scientific Reading, Writing & Speaking,* Relay Graduate School of

Education

**K-12 teaching ExperiEnce**

2016-2017 K-6th Grade Virtual ESL Instructor-VIPKID, Beijing, China

2015-2016 9th Grade Biology Teacher-Hastings High School, Houston, TX

2012-2015                 9th Grade Biology Teacher-Taylor High School, Houston, TX

2008-2012                     7th Grade Science Teacher- O’Donnell Middle School, Houston, TX

2007-2008                     5th Grade Teacher-Varnnett Charter School, Houston, TX

**Educational Consulting**

**University of Texas at Austin,** UTeach Program-Reviewed computer science course materials and provided detailed written feedback on the cultural responsiveness of the course content and strategies used to engage students.

**Curriculum Development & Design**

**QBS Learning,** Wrote instructional material from an Unpacking the DCI Standards Plan using knowledge of the NGSS and effective instructional pedagogy, that details the flow and content

of a unit in the program.

**iSTEM Interactive Virtual Camp**, Wrote life science lesson delivered through print and media formats for middle level science grades virtual interactive summer camp.

**SERVICE**

**Department of Interdisciplinary Learning & Teaching (ILT)**

2020-2022 ILT Awards Committee Member

2020-current IDS Program Committee Member

**College of Education and Human Development (COEHD)**

2020-2021 COEHD Dean Search Advisory Committee Member

**University Service**

2021-current UTSA IES Educational Research Training Program Mentor

**State and National Service**

2020Consultant,Building Community through Racial Equality Initiative, Science Teacher

Association of Texas Diversity and Equity Task Force

2020 Session Moderator, National Association of African American Studies & Affiliates

2019 Volunteer, Conference for the Advancement of Science Teaching (CAST)

2019 Volunteer Judge, The Chiyoda Young Innovators’ STEM Academy, University of Houston

2018 Volunteer, Research Convening the *Handbook of Research on Teachers*

*of Color*, University of Houston

2017 Social Media Chair, Science Teacher Association of Texas (STAT) State Conferences

**Ad-Hoc Reviewing**

2020 Proposal Reviewer, American Education Research Association (AERA)

2018 Manuscript Reviewer, Journal of Multicultural Affairs (JMA)

2017 Proposal Reviewer, Conference for the Advancement of Science Teaching (CAST)

2017 Proposal Reviewer, National Association of Research and Teaching (NARST)

**Community Involvement**

2017 Health and Business Expo, Founder/Organizer, Houston, TX

**K-12 Leadership & SERVICE**

2014-2015 Biology Team Lead

2013-2016 African Student Association Sponsor

2011-2012 7th Grade Cross Content Team Lead

2009-2010 Shard Decision Committee (SDC)

2010-2012 School Yearbook Sponsor

2009-2010 Pep Squad Sponsor

2008-2009 Science Club Sponsor

**PROFESSIONAL AFFILIATIONS**

**National**

American Education Research Association (AERA) – Learning Sciences SIG

National Association of Biology Teachers (NABT)

Association for Middle Level Educators (AMLE)

National Association for Research in Science Teaching (NARST)

National Science Teachers Association (NSTA)

National Association of Multicultural Education (NAME)

**Regional**

Nigerian American Multicultural Council (NAMC)

Science Teacher Association of Texas (STAT)