Jeremy R. Babendure, Ph.D.

Associate Research Professor, School for the Future of Innovation in Society

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###### Degrees

Nov 2005 - Ph.D. Biomedical Sciences, U.C. San Diego, San Diego, CA. Dissertation Title: *Utilizing RNA Structure as a Tool in Molecular and Cellular Biology. (Advisor: Late Nobel laureate Roger Tsien)*

May 2001 - BS Biochemistry, Arizona State University, Arizona. Honors Thesis Title: *Development of a fluorescent probe for the study of nucleosome assembly and dynamics. (Advisor: Neal Woodbury)*

###### Expert Areas

Biochemistry, Community capacity building, Ecosystem development, Informal STEM learning, STEM Partnerships, Youth development, Grant Development and Fundraising, Non-profit leadership, Cross institutional partnership building

###### Indigenous Nation Affiliation

Not applicable

###### Military Experience

Not applicable

###### Online Profile

ASU Pure Elsevier - <https://asu.pure.elsevier.com/en/persons/jeremy-babendure>

Chemistry Tree - <https://academictree.org/chemistry/publications.php?pid=155304>

Facebook - <https://www.facebook.com/jeremy.babendure>

Flinn Foundation Fellows - <https://flinn.org/fellows/babendure-jeremy-3/>

Google Scholar - <https://scholar.google.com/scholar?as_q=&as_epq=&as_oq=&as_eq=&as_occt=any&as_sauthors=Babendure&as_publication=&as_ylo=&as_yhi=&hl=en&as_sdt=0%2C3>

Informal Science - <https://www.informalscience.org/community/member-directory/jeremy-babendure>

Linked In - <https://www.linkedin.com/in/jeremy-babendure-3762334/>

Scopus - <https://www.scopus.com/authid/detail.uri?authorId=7801467900>;

###### Personal Name

Jeremy L. Babendure, USA, English

###### Preferred Personal Pronouns

He/Him/His

They/Them/Theirs

###### Professional Licensures & Certifications

July 2020\* - Executive Leadership Certification, Arizona State University, Phoenix, AZ

2017-2018\*\* LEAD STEM Fellow, STEM Funders Network’s STEM Ecosystems

2012 Flinn - Brown Leadership Academy, Arizona Center for Civic Leadership, Flinn Foundation

Work Experience

2019-present - Associate Research Professor, School For the Future of Innovation in Society, *Arizona State University*, Tempe, AZ

2016-present - Executive Director, *SciTech Institute*, Non-profit working as catalyst to bring STEM to communities, Tempe, AZ.

2010-present - Executive Director, Arizona SciTech Festival, Arizona’s largest celebration of STEM and innovation.

2015-present - Research Fellow, *Institute for Learning Innovation*, Non-profit working at the intersection of research, practice and policy, Corvalis, OR.

2016-2019 - Associate Research Professor Molecular Sciences, *Arizona State University*, Tempe, AZ

2011-2016 - Assistant Research Professor, *Arizona State University*, School of Molecular Sciences.

2007-2010 - Assistant Research Professor, Skaggs School of Pharmacy and Pharmacological Sciences; *U.C. San Diego*, San Diego, CA.

2006-2010 - Executive Director of ScienceBridge, Skaggs School of Pharmacy and Pharmacological Sciences; *U.C. San Diego*, San Diego, CA.

2006-2007 - Postdoctoral Fellow, Skaggs School of Pharmacy and Pharmacological Sciences; *U.C. San Diego*, San Diego, CA.

**Awards / Honors / Fellowships**

Oct 2018 - *Flinn-Brown* Arizona Champion Central Arizona

Jan 2018 - *Arizona Central*’s Who’s Next: 23 Arizonans who help our neighbors in need

Nov 2016 - *Governor’s Celebration of Innovation* Chairman’s Award

Aug 2016 - *Phoenix Business Journal* 40 under 40

Jan 2015 - *Arizona Business Magazine’s* Generation Next, 40 under 40

May 2014 - Collaborator of the Year, *Avondale School District*

May 2008 - *San Diego Science Alliance* - Innovative Partnerships Award

May 2006 - *San Diego Science Educator’s Association* - University Leadership Award

2002-2005 - *U.C. San Diego* Pharmacology Training Grant Fellowship

2000 - *Goldwater* Semifinalist (ASU Nominee)

2000 - *Phi Beta Kappa* Honor Society

1999 - *ASU Chemistry Department* award for outstanding academic performance

1999-2001 - *HHMI* Biology Research Experience for Undergraduates Fellowship

1998-2001 - *Golden Key* Honor Society

1997 - *ASU* Leadership Scholarship Finalist

1997-2000 - *National Scholarship Trust Fund of the Graphic Arts* Scholarship

1997-2001 - *ASU* President’s Scholarship

1997-2001 - *Flinn Foundation* Scholarship

1996 - *Phi Theta Kappa* Honor Society

**Collaborators**

*Advisor/Advisee*

Tsien, Roger UC San Diego deceased

Woodbury, Neal Arizona State University (ASU) [nwoodbury@asu.edu](mailto:nwoodbury@asu.edu)

*Projects*

Barnard, Wendy ASU, CREST [Wendy.Barnard@asu.edu](mailto:Wendy.Barnard@asu.edu)

Bolman, Dave University of Advancing Technology [dbolman@uat.edu](mailto:dbolman@uat.edu)

Buttry, Dan ASU, Molecular Sciences [dbuttry@asu.edu](mailto:dbuttry@asu.edu)

Falk, John Institute for Learning Innovation [john.falk@freechoicelearning.org](mailto:john.falk@freechoicelearning.org)

Funabiki, Abby Boot Up Professional Development [abby@bootuppd.org](mailto:abby@bootuppd.org)

Guston, David ASU SFIS [david.guston@asu.edu](mailto:david.guston@asu.edu)

Jones, Eric University of Texas

Health Science Center [Eric.C.Jones@uth.tmc.edu](mailto:Eric.C.Jones@uth.tmc.edu)

Judson, Eugene ASU, MLF Teachers College [Eugene.Judson@asu.edu](mailto:Eugene.Judson@asu.edu),

Kelly, Jacquelyn University of Phoenix [jacquelyn.kelly@phoenix.edu](mailto:jacquelyn.kelly@phoenix.edu)

Kolk, Judith Institute for Learning Innovation [judy.koke@freechoicelearning.org](mailto:judy.koke@freechoicelearning.org)

Kurz, Alexander ASU, Sanford School [Alexander.Kurz@asu.edu](mailto:Alexander.Kurz@asu.edu)

Mannis, Kalman Arizona Science Center [mannisk@azscience.org](mailto:mannisk@azscience.org)

Middleton, Jim ASU, Engineering [jimbo@asu.edu](mailto:jimbo@asu.edu)

Muller, RJ Cox Communications [roy.mullerii@cox.com](mailto:roy.mullerii@cox.com)

Nickel, Beth Arizona Science Center [nickelb@azscience.org](mailto:nickelb@azscience.org)

O'Leary, Jared Boot Up Professional Development [jared@bootuppd.org](mailto:jared@bootuppd.org)

Peterman, Karen Karen Peterman Consulting [karenpetermanphd@gmail.com](mailto:karenpetermanphd@gmail.com)

Reeser, Rhonda State Farm [rhonda.reeser.c2e4@statefarm.com](mailto:rhonda.reeser.c2e4@statefarm.com)

Sampson, Chad AZ Board of Regents [Chad.Sampson@azregents.edu](mailto:Chad.Sampson@azregents.edu)

Schaffer, Leanne Boeing [Leann.M.Shaffer@boeing.com](mailto:Leann.M.Shaffer@boeing.com)

Smith, Christopher Southwest Autism Research

& Resource Center  [CSmith@autismcenter.org](mailto:CSmith@autismcenter.org)

Stein, Jill Center On Science and

Innovation (COSI) [JStein@cosi.org](mailto:JStein@cosi.org)

Thornton, Kyle Cisco Corporation [kthorto@cisco.com](mailto:kthorto@cisco.com)

Watson, Sandra Arizona Commerce Authority [sandraw@azcommerce.com](mailto:sandraw@azcommerce.com)

Woodbury, Neal ASU, Molecular Sciences [nwoodbury@asu.edu](mailto:nwoodbury@asu.edu)

Zylstra, Steven Arizona Technology Council [szylstra@aztechcouncil.org](mailto:szylstra@aztechcouncil.org)

**Community Activities**

*Community Service*

2021- present - Foundation Bioscience Roadmap Committee member, *Flinn Foundation*

2020- present – Arizona Technology Task Force Member, State Superintendent’s Office

2019-2020 - Member, STEM Ecosystems Community of Practice Advisory Committee, *STEM Funders Network*, national.

2018-present - Member, SciHub Advisory, *Arizona State University*, Tempe, AZ.

2018-2020 - Member, Arizona Science Center Exhibits Advisory, *Arizona Science Center*, Phoenix*, AZ*.

2017-present - Advancement Chair, Boy Scouts Troop 679, *Boy Scouts Gila Council*, Phoenix, AZ.

2016-present - Member, Tonto Creek Camp Board, *Tonto Creek Camp*, Payson, AZ.

2016-2018 - Member of the STEM Collaborative Advisory Council Member, *ASTA, AMTA, ATTA*, Phoenix, AZ.

2015-2016 - Mentor, ASU Changemaker First Gen Scientists Team, *Arizona State University*, Tempe, AZ.

2015 - Reviewer for scientific article, *Methods Biotechnology*, national.

2014-present - Idea-ologist, *i.d.e.a. Museum*, Mesa, AZ.

2014-present - Member, Sonoran Science Academy advisory, *Sonoran Science Academy*, statewide.

2014-2017 - Member, Community Advisory Board member, *University of Advancing Technology,* Tempe, AZ*.*

2014-2017 - Member, DiVinci Society, *University of Advancing Technology,* Tempe, AZ*.*

2014-2015 - Honorary Commander, *U.S. Air Force AETC 362 RCS/CC*, national.

2014-2016 - STEM Advisory Council, *Arizona Boy Scouts*, Phoenix, AZ.

2014-2016 - Arizona STEM Network Leadership Team, *Science Foundation Arizona*, Phoenix, AZ.

2014-2015 - Resource Management Grants Committee, *Valley of the Sun United Way,* Phoenix, AZ.

2014 - Advisory Board at Eventinterface Advisory Board, *Phoenix Business Journal*, [link](http://www.bizjournals.com/phoenix/potmsearch/detail/submission/2625441/Jeremy_Babendure).

2012-2014 - Member, Coalition for the Public Understanding of Science, *COPUS*, national.

2013-2014 - Phoenix Local Arrangements Committee, *Intel ISEF*, Phoenix, AZ.

2008 - Reviewer for ITEST RFP, *National Science Foundation*, Arlington ,VA.

2008 - Member, San Diego Economic Development Corporation Education Task Force, *San Diego Economic Development Corporation*, San Diego, CA.

2007-2010 - Advisory board member, San Diego Biotech programs, *Mira Mesa Community College*, San Diego, CA.

2004 - Developed and implemented a forensic science discovery workshop for middle school students, *Expanding Your Horizons*, San Diego, CA.

2003-2005 - Developed and implemented a forensic science discovery workshop for middle school students, *NASA Science Odyssey*, Lansing, CA.

*Other Service*

2014-2018 - Venture Ready Panelist, [Arizona Commerce Authority](https://www.azcommerce.com/).

2014-2017 - Advisory Board, [Event Interface](https://www.eventinterface.com/en/).

2013-2015 - Advisory Board, [Picmonic](https://www.picmonic.com/), Inc.

2012 - Mentor, Startup Weekend Chandler.

2005-2006 - Business Development co-founder of [ANAPTYS, Inc.](https://www.anaptysbio.com/), San Diego.

2005-2009 - Marketing consultant for [Allele Biotech](http://www.allelebiotech.com/), San Diego.

1993-2005 - Newsletter Designer, Tempe Solel Pathfinder.

1992-1997 - Marketing & Creative Director, doll ‘n bearland.

*Other Activities*

2020 – present – **NE Florida CSOs** - collaborative development and launch of a regional cabinet of student Chief Science Officers to integrate student voice into the STEM. Organizational lead – *STEM2Hub*, Jacksonville, FL.

2020 – present – **Pennsylvania CSOs** - collaborative development and launch of a regional cabinet of student Chief Science Officers to integrate student voice into the STEM. Organizational lead - *ENGINE of Central PA*, Pennsylvania.

2020 – present – **Western New York CSOs** - collaborative development and launch of a regional cabinet of student Chief Science Officers to integrate student voice into the STEM Organizational lead - *WNY STEM Hub*, Buffalo, NY.

2019-present - **San Antonio CSOs** - collaborative development and launch of a regional cabinet of student Chief Science Officers to integrate student voice into the STEM conversation in San Antonio. In its 1st season, the San Antonio cabinet has a total of 30 CSOs and growing. Organizational lead - *IDRA*, San Antonio, TX.

2018-present - **Georgia CSOs** - collaborative development and launch of a statewide cabinet of student Chief Science Officers to integrate student voice into the STEM conversation in Georgia. In its 1st season, the Georgia cabinet has a total of 24 CSOs and growing. Organizational lead - *Atlanta Science Festival*, Atlanta, GA.

2018-present - **Sonora Mexico CSOs** - collaborative development and launch of a statewide cabinet of student Chief Science Officers to integrate student voice into the STEM conversation in Georgia. Now in its 2nd season, the Sonora cabinet has a total of 72 CSOs and growing. Organizational lead - Organizational lead - *Sonora State Department of Education*, Sonora, Mx.

2018-present - **Kuwait CSOs** - collaborative development and launch of a national cabinet of student Chief Science Officers to integrate student voice into the STEM conversation in Kuwait. Now in its 2nd season, the Kuwaiti cabinet has a total of 130 CSOs and growing. Organizational lead - *Kuwait Foundation for the Advancement of Science*, Kuwait.

2017-present - **Oregon CSOs** - collaborative development and launch of a 5 regional cabinets of student Chief Science Officers to integrate student voice into the STEM conversation in Oregon. Now in its 3rd season, the Oregon cabinets have a combined total of 70 CSOs and growing. Organizational leads - *Frontier, Oregon Coast, Columbia Gorge, Southern Oregon and Central Oregon STEM Hubs*, OR.

2017-present - **Saginaw CSOs** - collaborative development and launch of a regional cabinet of student Chief Science Officers to integrate student voice into the STEM conversation in Saginaw region in MI. Now in its 3rd season, the Saginaw regional cabinet has a total of 75 CSOs and growing. Organizational lead - *Saginaw State University*, Saginaw, MI.

2017-2019 - **Sonora SciTech Festival** - collaborative development and launch of a statewide science and technology festival in Sonora Mexico convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *Sonora State Department of Education*, Sonora, Mx.

2017-present - **Cochise County Rural Innovation Council** - collaborative development of regional STEM Ecosystem that convenes education, community, business and government collaborators around STEM in Verde Valley. Organizational leads - *various regional collaborators*, Cochise County.

2017-present - **Verde Valley Rural Innovation Council** - collaborative development of a regional STEM Ecosystem that convenes education, community, business and government collaborators around STEM in Verde Valley. Organizational leads - *various regional collaborators*, Verde Valley.

2017-present - **Navapache Rural Innovation Council** - collaborative development of a regional STEM Ecosystem that convenes education, community, business and government collaborators around STEM in Navajo and Apache Counties. Organizational leads - *various regional collaborators*, Navajo and Apache Counties.

2017-present - **Eastern Arizona Rural Innovation Council** - collaborative development of a regional STEM Ecosystem that convenes education, community, business and government collaborators around STEM in Graham and Greenlee Counties. Organizational leads - *various regional collaborators*, Graham and Greenlee Counties.

2016-2019 - **Arizona STEM School Community of Practice** - collaborative development and launch of a diverse collaboration of several dozen school communities to learn from one another and transform how STEM impacts schools and Arizona’s future workforce. The community involves all aspects of Arizona’s future STEM workforce including industry and community leaders, school leadership, educators, teachers, students and parents. Organizational leads - *Arizona Science Center, Maricopa Education Service Agency, Arizona SciTech*, Phoenix, AZ.

2016-present - **Arizona SciTech Ecosystem** - connection and alignment of education, business, community and government partners to collaboratively enhance STEM opportunities in the state through events, programs and partnerships. Arizona’s STEM Ecosystem was named as an official STEM Ecosystem in cohort one as part of the STEM Funder’s Network’s STEM Learning Ecosystem Community of Practice. Organizational lead - *STEM Funders Network,* national.

2017 - **Colombia SciTech Festival** - collaborative development and launch of a statewide science and technology festival in Bogotá, Colombia convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *Gimnasio Campestre Marie Curie*, Bogata, Colombia.

2016-2019 - **Science Happens Here** - collaborative development and launch of a game for kids in 3rd through 8th grades to better understand the science that surrounds them every day in local businesses in Graham/Greenlee and the Verde Valley. The kids collect the cards at local businesses and visit the website to conduct science experiments at home using household items. Organizational lead - *Local First Arizona,* Phoenix, AZ.

2015-present - **Gila Valley Health and STEAM Festival** - collaborative development and launch of a regional science and technology festival in Graham and Greenlee Counties convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *Eastern Arizona College,* Thatcher, AZ.

2015-present - **Connect2STEM Event** - collaborative development and launch of a regional science and technology festival at the Downtown UA campus celebrating, science, technology, art and innovation. Organizational lead - *UA Medical Campus,* Phoenix, AZ.

2015-2020 - **Connect2STEM Awards** - collaborative development and launch of an awards program and video recognition program highlighting Arizona leaders in STEM. Organizational lead - *Cox Communications,* Phoenix, AZ.

2015-present - **Arizona CSOs** - development and launch of a statewide cabinet of student Chief Science Officers to integrate student voice into the STEM conversation in Arizona. In its 4th season, the Arizona cabinet has a total of 360 CSOs and growing. Organizational lead - *SciTech Institute*, Phoenix, AZ.

2014-2018 - **North Valley STEM Fest** - collaborative development and launch of a regional science and technology festival in North Phoenix convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *CREST Academy,* Phoenix, AZ.

2014-2018 - **Maricopa Science City** - collaborative development and launch of a regional science and technology festival in Maricopa during the annual Salsa Festival convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *Maricopa Ak-Chin STEAM Foundation,* Maricopa, AZ.

2014-2018 - **Southwest Maker Fest** - collaborative development and launch of a regional science and technology festival in Mesa during the annual Salsa Festival convening a diverse collaboration of education, community, business and government partners to celebrate everything making. Organizational lead - *City of Mesa and dozens of independent collaborators,* Mesa, AZ.

2014-2018 - **SciTech at the El Mirage Public Safety Day** - collaborative development and launch of a regional science and technology festival in El Mirage during their annual Public Safety Day event convening a diverse collaboration of education, community, business and government partners to celebrate the science in public safety. Organizational lead - *City of El Mirage,* El Mirage, AZ.

2014-2017 - **High Sonoran Festival** - collaborative development and launch of a regional science and technology festival in North Valley (Anthem, Cave Creek, Carefree) convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *Cave Creek Museum,* Cave Creek, AZ.

2014-2017 - **Marana SciTech Festival** - collaborative development and launch of a regional science and technology festival in Marana convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *City of Marana,* Marana, AZ.

2013-2019 - **Verde Valley SciTech Festival** - collaborative development and launch of a regional science and technology festival in Verde Valley convening a diverse collaboration of education, community, business and government partners to celebrate everything making. Organizational lead - *City of Cottonwood,* Cottonwood, AZ.

2013-present - **Tucson Family SCIFest** - collaborative development and launch of a regional science and technology festival in Tucson convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *Tucson Children’s Museum,* Tucson, AZ.

2013-2019 - **Southwest Valley SciTech Crawl** - collaborative development and launch of a regional science and technology festival in Southwest Valley convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *Avondale Elementary School District,* Avondale, AZ.

2013-present - **Sahuarita SciTech Festival** - collaborative development and launch of a regional science and technology festival in Sahuarita convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Inaugural organizational lead - *City of Sahuarita,* Sahuarita, AZ*;* Current lead - *Sahuarita School District*, Sahuarita, AZ.

2013-present - **Prescott Regional SciTech Festival** - collaborative development and launch of a regional science and technology festival in Prescott and Prescott Valley convening a diverse collaboration of education, community, business and government partners to celebrate everything making. Inaugural organizational lead - *The Spot Museum,* Prescott, AZ*;* Current lead - *Embry Riddle University*, Prescott, AZ.

2013-present - **Buckeye SciTech at the Air Fair** - collaborative development and launch of a regional science and technology festival at the annual Buckeye Air Fair convening a diverse collaboration of education, community, business and government partners. Organizational lead - *City of Buckeye,* Buckeye, AZ.

2013-2015 - **Celebrate My Drive** - collaborative development and implementation of a series of activities to engage the public in activities around the science of teen driving safety. Organizational lead - *State Farm,* Tempe, AZ.

2013-2014 - **Gilbert SciTech Festival** - collaborative development and launch of a regional science and technology festival in Gilbert convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *Gilbert Riparian Preserve,* Gilbert, AZ.

2013-2014 - **Yuma Reason on the River** - collaborative development and launch of a regional science and technology festival in Yuma convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *City of Yuma,* Yuma, AZ.

2013-2014 - **Sun Valley Solar Solutions Challenge** - collaborative development and implementation of a series of challenges to engage the public in activities around solar energy. Organizational lead - *Sun Valley Solar Solutions,* Chandler, AZ.

2012-2018 - **Spring Training Festival** - collaborative development and launch of a regional science and technology festival in Scottsdale to celebrate the science behind baseball. Organizational lead - *City of Scottsdale,* Scottsdale, AZ.

2012-2014 - **Glendale Passport to Science** - collaborative development and launch of a regional science and technology festival in Glendale area convening a diverse collaboration of education, community, business and government partners to celebrate STEM. The collaboration with the City of Glendale continues as the science of chocolate at the Glendale Chocolate Affair. Organizational lead - *City of Glendale,* Glendale, AZ.

2012-2013 - **Cox Youth Reporters** - development and implementation of pilot project to engage middle and high school students as reporters at select STEM events. Organizational lead - *Cox Communications,* Phoenix, AZ.

2011-present - **Maricopa Community College STEM Celebrations** - collaborative development and engagement of the 10 Maricopa Community colleges in the Arizona SciTech Festival. Over 8 seasons, engagement ranged between event participation (ex. Geek’s Night Out, Chandler Science Spectacular) and full event development (Glendale, Glendale North, Scottsdale and Mesa). Sustained events include the North Valley STEAM Expo and the STEAMtastic Star Party Extravaganza. Organizational lead - *Maricopa Community College District and various MCCCD colleges,* Maricopa County, AZ.

2011-2020 - **STEM at the Arizona Renaissance Festival’s Student Days** – 2021 cancelled due to Covid-19 but 2022 is planned. Collaborative development and launch of a regional science and technology activities during the annual Arizona Renaissance Festival Student days reaching ~30,000 students each year. Organizational lead - *Arizona Renaissance Festival,* Gold Canyon, AZ.

2011-2019 - **White Mountain Regional Science Festivals** - collaborative development and launch of a regional science and technology festival in the White Mountains convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Public events have ranged in location from Show Low to the White Mountain Apache region with Innovation Nation. Organizational lead - *Kal Mannis,* White Mountains, AZ.

2011-present - **Casa Grande SciTech Festival** - collaborative development and launch of a regional science and technology festival throughout the Casa Grande Union High School District schools. With support of 2 student Chief Science Officers engaging the City of Casa Grande, the initiative expanded in 2018 to second event held in Casa Grande public park. Organizational lead - *Casa Grande Union High School,* Casa Grande, AZ.

2011-present - **ASU Open Door** - collaborative development and launch of a regional science and technology festival at 4-5 ASU campuses celebrating, science, technology, art and innovation. Organizational lead - *Arizona State University,* Tempe, AZ.

2011-2019 - **Gila County STEM Fest** - collaborative development and launch of a regional science and technology festival in Globe/Miami area convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Inaugural organizational lead - *Gila County Superintendent’s Office,* Globe, AZ*;* Current lead - *Eastern Arizona College*, Globe, AZ.

2011-present - **Geek’s Night Out** - collaborative development and launch of a regional science and technology festival in Tempe area convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *City of Tempe,* Tempe, AZ.

2011-present - **Chandler Science Spectacular** – 2021 cancelled due to Covid-19 but 2022 is planned. collaborative development and launch of a regional science and technology festival in Chandler area convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational lead - *City of Chandler,* Chandler, AZ.

2011-present - **Arizona SciTech Festival** - development and launch of a statewide science and technology festival in Arizona convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Organizational leads - *Arizona State University, University of Arizona, Arizona Board of Regents, Arizona Commerce Authority, Arizona Technology Council, Arizona Science Center,* Arizona.

2009-present - **Science Festival Alliance** - collaborative development and launch of this National Consortium of Science Festivals geared to foster a professional community dedicated to more and better science and technology festivals. Babendure was a founding member of the Alliance and engaged between 2009 and 2011. Arizona SciTech Festival is an Alliance member. Inaugural organizational lead - *U.C. San Diego, CA;* Current lead - *MIT Museum*, Cambridge, MA.

2008-2010 - **San Diego Science Festival** - collaborative development and launch of a regional science and technology festival in San Diego convening a diverse collaboration of education, community, business and government partners to celebrate STEM. Babendure was a co-founder and engaged between 2008 and 2010. Inaugural organizational lead - *U.C. San Diego, CA;* Current lead - *Biocom Institute*, San Diego, CA.

2008-2014 - **Socrates Fellows** - collaborative development and launch of the Socrates Fellows, a program designed to introduce PhD-track graduate students to pedagogy and innovative methods in science communication. Graduate students were paired with a teacher partner for the entire school year, spending one day per week in the classroom. This allowed time to gain practical skills in teaching and communication, with regular feedback from their teacher partner. Babendure was the program director of the Socrates fellows project through 2011. Organizational leads - *U.C. San Diego,* San Diego, CA.

2007-2011 - **San Diego Biotechnology STEM Kit Production Centers** - collaborative development and launch of a high school biotechnology centers to both produce, distribute and quality control biology, chemistry and biotechnology kits for San Diego area classrooms. Babendure engaged in center development between 2007 and 2011. Two centers continue to run in San Diego. Organizational leads - *Castle Park High School, Mira Mesa High School, San Diego High School and San Ysidro High School*, San Diego, CA.

2006-2014 - **ScienceBridge Education Outreach** - By linking the science research and education communities, ScienceBridge sought to increase the number and diversity of students pursuing careers in science, technology, engineering, and math and improve general public awareness and appreciation of science. ScienceBridge was instrumental in raising over $12,500,000 in program funding (NSF, HHMI, Department of Education, local companies) for initiatives such as Socrates Fellows, Cyberbridge, STEM based curriculum, Biotechnology Centers and more. Babendure served as the Founding Executive Director of ScienceBridge between 2006 and 2011 and remained as an advisor through 2014. Organizational lead - *U.C. San Diego*, San Diego, CA.

**Professional Development**

Entrepreneurial Operating System (EOS) for Non-Profits, Livonia, MI

Lodestar Executive Leadership Certification, Arizona State University, Phoenix, AZ

**Professional Memberships**

Not Applicable

**Research: Scholar Profiles and Metrics**

Scopus: Articles - 4, Citations – 813, H Index - 4

**Research: Scholarship and Creative Activities (Book)**

Not Applicable

**Research: Scholarship and Creative Activities (Case Study)**

Not Applicable

**Research: Scholarship and Creative Activities (Artistic Performances / Production)**

Not Applicable

**Research: Scholarship and Creative Activities (Chapter)**

Not Applicable

**Research: Scholarship and Creative Activities (Conference Proceedings)**

Babendure, JR, Thompson, L, Peterman, K, Teiper, L, Gastil, H, Liwanag, H, and Glenn-Lee, S (2011). *BioBridge Professional Development: Bringing Innovative Science into the Classroom*. In SREE Fall 2011 Conference. Retrieved from <https://files.eric.ed.gov/fulltext/ED528926.pdf>

Babendure, JR. (2010). *Partnering with the Scientific Community: Science Bridge*. AAAS Conference on Promoting Climate Literacy through Informal Science. Retrieved from <http://www.project2061.org/events/meetings/climate2010/includes/media/presentations/AndrewsAAASClimateLiteracyConference.pdf>; <http://www.project2061.org/events/meetings/climate2010/videopop.html?v=JeremyBabendure>

Tsien, R, Adams, S, Babendure, JR, Dooley, CT, Hires, A, Jiang, T. (2004). Breeding molecules to spy on cells*.* In Annual Meeting of the Deutschen-Gesellschaft-fur-Zellbiologie. *European Journal of Cell Biology*.

**Research: Scholarship and Creative Activities (Film Production)**

Not Applicable

**Research: Scholarship and Creative Activities (Interviews)**

Arizona PBS Horizon. (Sept 2016). Arizona Technology and Innovation: Chief Science Officers, [link](https://azpbs.org/horizon/2016/09/chief-science-officers/).

Arizona PBS Horizon. (March 2016) Arizona Technology and Innovation: STEM School Community of Practice, [link](https://azpbs.org/horizon/2016/03/arizona-technology-and-innovation-stem-school-community-of-practice/).

Arizona PBS Horizon. (Sept 2015). *Arizona Technology and Innovation: Innovation Arizona Summit,* [link](https://azpbs.org/horizon/2015/09/arizona-technology-and-innovation-innovation-arizona-summit/).

Arizona PBS Horizon. (Feb 2015). *Arizona Technology and Innovation: Arizona SciTech Festival Statewide Launch Event*, [link](https://azpbs.org/horizon/2015/02/arizona-technology-and-innovation-arizona-scitech-festival-statewide-launch-event/).

Arizona PBS Horizon. (Aug 2014) Arizona Technology and Innovation: 2014 Innovation Arizona Summit, [link](https://azpbs.org/horizon/2014/08/arizona-technology-and-innovation-2014-innovation-arizona-summit/).

Arizona PBS Horizon. (Jan 2013). *Arizona Technology & Innovation: SciTech Festival*, [link](https://azpbs.org/horizon/2013/01/arizona-technology-innovation-scitech-festival/).

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**Research: Scholarship and Creative Activities (Presentations)**

June 2019 – SciTech Ecosystem webinar presentation to the national STEM Ecosystems community.

June 2018 - Babendure and CSO Brandon. “Chief Science Officers: A Strategy for Student Awareness and Industry Engagement” Flashtalk at the *Annual ITEST Summit*, Alexandria, VA.

Feb 2018 - Chief Science Officers presentation, *STEM Ecosystems & US News Spring Conference*, Conference Session, Washington, DC.

Feb 2018 - CSO pitch to Scottdale Cares Council, Scottsdale, AZ.

Jan 2018 - Rural Activation and Innovation Network Presentation, *Higher Education Indian Consortium*, Phoenix, AZ.

Jan 2018 - National CSO Summit Capstone Presentation, *STEM Ecosystems LEAD STEM Conference*, Las Vegas, NV.

Jan 2018 - SciTech Institute keynote, *East Valley STEM Alliance*, Tempe, AZ.

June 2017 - Babendure. “Chief Science Officers: A Strategy for Student Awareness and Industry Engagement” Flashtalk at the *Annual ITEST Summit*, Alexandria, VA.

April 2017 - STEM Ecosystems Spring conference, Plenary Session Presentation, Tampa, FL.

Jan 2017 - CSO Flash Talk presentation, *Grand Canyon University STEM Conference*, Phoenix, AZ.

Nov 2015 - Technology Panel, *Scottsdale Leadership*, Scottsdale, AZ.

Mar 2015 - Goodyear Building Blocks to Great Schools Summit, *City of Goodyear*, Goodyear, AZ.

Mar 2015 - SciTech Festival presentation, *Arizona Earth Science Consortium*, Phoenix, AZ.

Jan 2015 - SciTech Festival presentation, *PVUSD United Parent Council*, Phoenix, AZ.

July 2014 - SciTech Festival presentation, *Arizona Rural Policy Forum*, Globe, AZ.

July 2014 - SciTech Festival presentation, *Science Foundation Arizona STEM Clubs Summer Conference*, Phoenix, AZ.

Oct 2013 - SciTech Festival presentation, Arizona Sister Cities State Conference, Phoenix AZ.

Oct 2013 - Guest Lecture, *ASU Digital Culture Class*, Tempe, AZ.

Sept 2013 - SciTech Festival presentation, *APS Back to School Fair*, Phoenix, AZ.

July 2013 - SciTech Festival presentation, *Science Foundation Arizona STEM Clubs Summer Conference*, Phoenix, AZ.

May 2013 - STEM and Education keynote presentation, *AIAA Phoenix Meeting*, Phoenix, AZ.

Oct 2012 - Arizona Science Teachers Association Conference Oct 2012

Sept 2012 - SciTech Festival presentation, *APS Back to School Fair*, Phoenix, AZ.

June 2012 - “Sneaky Science” presentation, 2012 International Public Science Events Conference, Columbus, OH.

June 2012 - SciTech Festival presentation, *Association for Career Technical Education Conference*, Tucson, AZ.

Nov 2009 - Biobridge Grant Update, *HHMI Program Director Conference*, Chevy Chase, MD.

Feb 2009 - Training Our Next Generation of Fluorescent Protein Enthusiasts, *Tsien Lab Noble Prize Symposium*, San Diego, CA.

Dec 2004 - “RNA structure, distance and GC content affect mammalian RNA translation in live cells”, *Research Discussions U.C. San Diego Department of Pharmacology*, San Diego, CA.

*Poster Presentations*

Feb 2019 Babendure, JR and Middleton, J. “How to Cultivate & Sustain Place Based ISE Experiences in Rural Communities?” *2019 AISL PI Meeting,* Alexandria, VA.

July 2018 Babendure et al. “Chief Science Officers: A Strategy for Student Awareness and Industry Engagement.” *Annual ITEST Summit*, Alexandria, VA.

July 2017 Babendure et al. “Chief Science Officers: A Strategy for Student Awareness and Industry Engagement.” *Annual ITEST Summit*, Alexandria, VA.

Sept 2011 - Bridging Innovation Science into the Classroom, *Society for Research on Educational Effectiveness Conference*, Washington, DC.

July 2009 Babendure et al. “Cyberbridge.” *7th Annual* *ITEST Summit*, Arlington, VA.

July 2008 Babendure et al. et al. “Cyberbridge.” *6th Annual* *ITEST Summit*, Arlington, VA.

July 2007 Babendure et al. et al. “Cyberbridge.” *5th Annual* *ITEST Summit*, Arlington, VA.

Sept 2004 Babendure, JR, Tsien, RY. “Modulating mammalian mRNA translation.” *Third International Conference on Structural Biology and Functional Genomics*, Singapore

June 2004 Babendure, JR, Tsien, RY. “Modulating mRNA hairpin structure to control translation.” *Ninth Annual Meeting of the RNA Society*, Madison, WI.

**Research: Scholarship and Creative Activities (Research Data)**

Not Applicable

**Research: Scholarship and Creative Activities (Review)**

Not Applicable

**Research: Scholarship and Creative Activities (Social Media, Blog or Podcast)**

Not Applicable

**Research: Scholarship and Creative Activities (Technical Article)**

Not Applicable

**Research: Scholarship and Creative Activities (Technology)**

Not Applicable

**Research: Sponsored Projects**

*Current Grants*

PI, “Arizona K-8 Consortium: Building Computer Science and Computational Thinking Capacity in Rural K-8 Education” *National Science Foundation CS for All #2031527,* (0.50 months LOE Year 1 and 0.25 months LOE Year 2 - $299,620) 1/21 – 6/22. This small PreK-8 Researcher-Practitioner Partnership (RPP) project leverages the NSF-supported rural collaboration model (Rural Activation and Innovation Network #1612555) to establish five regional RPPs in Northeastern, Northwestern, Central, Southern, and Eastern Arizona. These RPPs will integrate computer science (CS) and computational thinking (CT) into rural and tribal K-8 education to meet Arizona’s CS and CT Standards.

Co-PI, “Building Capacity for Inclusive Informal STEM Learning Opportunities for People with ASD” *National Science Foundation AISL #2005901,* (1 month LOE - $1041,443) 9/20 – 2/22. This Innovations in Development project seeks to strengthen Informal STEM Education providers' ability to engage individuals on the Autism Spectrum Disorder (ASD) in mainstream projects and exhibits and promote more inclusive environments. The overarching goals are to 1) increase inclusion by training staff in evidence-based techniques and strategies; 2) support the development and integration of inclusive STEM learning activities and environments; and 3) help individuals with ASD gain the skills, confidence, and motivation needed to engage in mainstream STEM activities.

PI, “Chief Science Officer Program: Latin America Expansion” *CISCO Global Impact Grant* ($150,000) 5/20-6/21. Evaluating ICT platforms to understand technology's role in empowering students and teachers as STEM leaders; building global scale communities of practice, consisting of students, educators, administrators, parents, and business, industry, academic, civic, and community partners; and sustainably scaling student mentoring and STEM engagement ecosystems.

PI, “Chief Science Officers: A Strategy for Student Awareness and Industry Engagement” *National Science Foundation ITEST #0840333* (15% - $1,295,537) 9/16 - 8/21 (no-cost extension. The goals of the project are to create a pipeline of diverse STEM leaders, increase communication and collaboration among 6-12th grade Chief Science Officers (CSOs), enrich school STEM culture and career awareness, and increase student voice in local, national, and international STEM conversations. This project includes a 100K supplement to support unforeseen expansion into regions around the US.

PI, “Rural Activation and Innovation Network” *National Science Foundation AISL #1612555* (15% LOE - $2,947,584) 10/16 - 9/21 (no-cost extension). The goals of the project are to cultivate regional STEM ecosystems in 4 of Arizona’s rural and remote communities including Navapache, Verde Valley, Cochise County and Graham/Greenlee Counties. Project evaluation and research will inform both the process to create such a community and its impact on the regional STEM identity. This project includes a 50K supplement to leverage the Cochise Rural Innovation Council to launch a regional CSO cabinet.

PI, Boeing, *Advanced Manufacturing Initiative* ($50,000), Aug 2020-July 2021 to build a diverse, qualified STEM and AM workforce pipeline in Arizona and beyond. This effort leverages the Arizona STEM Ecosystem, consisting of 900+ organizations, to unite communities across diverse geographic and economic boundaries for meeting the state’s manufacturing needs.

*Completed Grants*

PI, Cisco Corporation, Latin American Expansion, *Global Impact Grant*, ($150,000), Jan 2020-2021. Supported the expansion of the CSO program in Mexico and LATAM, and improved data collection and CRM development for overall program sustainability.

Co-PI, Project Director “National Science Festival Network” *National Science Foundation #0840333* (50-70%-$3,090,078) May 09 - April 13. U.C. San Diego, U.C. Berkeley, The Franklin Institute and MIT Museum developed a sustainable national network of Science Festivals to promote broader youth, student, family and public interest in, engagement with, and understanding of science, engineering, and technology. The project developed to what now exists today as the Science Festival Alliance with over 4 dozen science festivals and continued funding from organizations such as NSF, Sloan Foundation and the Simons Foundation.

Project Director “Socrates: Graduate Teaching Opportunity Program” *National Science Foundation #0742551* (40-70%-$2,980,703) June 08 - May 14. U.C. San Diego, 2 major secondary districts, 9 high schools, and the Emory University PRISM program collaborated to develop graduate / teacher partnerships to transfer new, inspirational activities derived from ongoing research lab activity into mainstream high school science classrooms and after-school Science & Technology Clubs.

Project Director “UCSD School of Medicine Precollege Science Education Program” *How Hughes Medical Institute Pre-College Grant* (25-50%-$1,500,000) Sept 07 - June 11. Development and implementation of BioBridge’s teacher professional development and model utilizing high school students as classroom peer leaders. In addition, this grant piloted the development of a student driven biotechnology center that assembled laboratory classroom kits. Three still exist in the San Diego region.

Co-PI, Project Director “BioBridge Teacher Quality” *Department of Education Institute of Education Studies Teacher Quality Mathematics and Science, Goal 2* (25-50%-$1,500,000) Sept 06 - June 09. Development and implementation of BioBridge’s teacher professional development and model utilizing students as classroom leaders. Furthermore, this project piloted a student driven biotechnology center that assembled laboratory classroom kits.

Co-PI, Project Director “Cyberbridge” *National Science Foundation #0737714* (20-30%-$1,195,636) Sept 07 - Aug 11. Through partnerships with UC San Diego, SD State and Sweetwater District educators, cross disciplinary educator teams involved SDSU scientists worked to develop IT based curriculum, projects and SciVee videos.

Co-PI, Project Director “The California BioBridge Partnership” *Funds for the Improvement of Postsecondary Education* (43%-$593,382) Sept 06 - June 09. Led a project to develop and disseminate biotech-based activities to high school teachers in San Diego County.

Project Director “BioBridge: Translating Today’s Research for Tomorrows Scientists” *Howard Hughes Medical Institute Independent Request* (50-100%-$207,962) July 06 - June 08. Establish community-wide coops composed of local universities, community colleges, outreach organizations and secondary schools to bring scientists and teachers together to translate cutting-edge laboratory research into exciting hands-on activities for secondary students. This seed funding launched of BioBridge which later resulted in one of the strongest STEM outreach programs in San Diego.

*Other Grants and Sponsorships*

*Arizona SciTech Festival & Ecosystem* - raised $3,650,000+ over 8 seasons from sponsors such as Arizona Board of Regents, Arizona Commerce Authority, Arizona State University, APS, AVNET, Boeing, Cox Communications, Helios, Honeywell, Flinn Foundation, Footprint, Freeport McMoRan, Intel, Midwestern University, Maricopa Community College District, Nextiva, SRP, State Farm, Sun Valley Solar Solutions, Rodel Foundation, UAT, US Airways, Wells Fargo, Zovio, etc.

*Chief Science Officers -* raised $2,200,000+ over 2 seasons including:APS, Arizona Community Foundation, Arizona Republic, Cisco Corporation, Cox Charities, Cox Communications, Freeport McMoRan, Maricopa County Attorney General’s Office, Microsoft, Northrup Grumman, On Semiconductor, State Farm, SRP, USAA, Verizon, etc.

*San Diego Science Festival* co-raised $1,000,000 over 2 seasons including Agilent Technologies, Biogen IDEA Foundation, BD Biosciences, Celgene, Cox Communications, Gen-Probe, Genomics Institute of the Novartis Research Foundation, Illumnia, Life Technologies, Pfizer, SDG&E, and Vertex.

*Project Site Contributions*

“Evalfest” *National Science Foundation #1423004* ($1,922,969) Sept 14 - Feb 21. The Arizona SciTech Festival serves as one of 24 science festival partner sites working as a community of practice in Science Festival evaluation.

“Science Learning +: Partnering for Equitable STEM Pathways for Underrepresented Youth” *National Science Foundation and Welcome Trust #1647033* ($659,603) March 17 - Feb 21. This 4-year project addresses fundamental equity issues in informal STEM learning in both the United States and the United Kingdom. SciTech Institute served as a contributor in the initial convening and concept development.

“U.C. San Diego GEAR-UP” *U.S. Department of Education*. ($36,000 contract amount) Sept 09 - Aug 10. Sub award to bring BioBridge STEM activities to select San Diego schools.

**Sabbatical**

Not Applicable

**Service: Professional Activities**

*Conferences/Workshops Organized*

Sept 2020 - **Arizona STEM and Innovation Summit -** co-organized this XX person conference with 50+ sessions and 60+ exhibitors around best practices and innovations in Arizona STEM. *Online*, Scottsdale, AZ.

Sept 2019 - **Arizona STEM and Innovation Summit** - co-organized this 1200+ person conference with 50+ panel sessions featuring 120+ presenters and 50+ exhibitors around best practices and innovations in Arizona STEM. *Scottsdale Center for the Performing Arts*, Scottsdale, AZ.

Oct 2018 - **Arizona SciTech Kickoff Conference** - co-organized this 1200+ person conference with 50+ sessions and 60+ exhibitors around best practices and innovations in Arizona STEM. The conference also included a half day kickoff of the STEM School Community of Practice drawing nearly 200 attendees from ~30 school teams. *Mesa Arts Center*, Mesa, AZ.

May 2018 - **AZ STEM School Community of Practice Showcase**- co-organized this convening where STEM school community of practice members showcased resources and best practices among schools about STEM-based resources and opportunities. At least 250 participants from 40 schools returned to this event held at the *SRP Pera Club*, Tempe, AZ.

Jan 2018 - **AZ STEM School Community of Practice Resource Share** - co-organized this workshop for community of practice teams to build on collective resources of their community, share best practices and create new solutions for STEM education through group discussions, community highlights and networking. Approximately 200 attended from 40 schools at *Skysong*, Scottsdale, AZ.

Sept 2017 - **Arizona SciTech Kickoff Conference** - co-organized this 1400+ person conference with 50+ sessions and 60+ exhibitors around best practices and innovations in Arizona STEM. The conference also included a half day kickoff of the STEM School Community of Practice drawing nearly 250 attendees from ~40 school teams. *Mesa Arts Center*, Mesa, AZ.

April 2017 - **AZ STEM School Community of Practice Leaders Meetings** - co-organized this convening of community of practice leaders to determine next steps for the 2017/18 season. Approximately 80 leaders attended from 40 schools convened at the *Burton Barr Library* in Phoenix, AZ.

Dec 2016 - **AZ STEM School Community of Practice Asset Sharing** - Based on feedback from the 1st and 2nd meetings, a 3rd convening was designed for teams to share out about curriculum and pedagogy including peer school sharing and best practices from schools at different STEM engagement levels. At least 250 participants from 50 schools returned to this event held at *Centerra Mirage Elementary*, Avondale, AZ.

Sept 2016 - **Arizona SciTech Kickoff Conference** - co-organized this 1000+ person conference with 50+ sessions and 60+ exhibitors around best practices and innovations in Arizona STEM. *Scottsdale Center for the Arts*, Scottsdale, AZ.

Sept 2016 - **AZ STEM School Community of Practice Resource Fair** - Feedback from the May community of practice meeting reflected interest in available STEM resources. In response, the September meeting was co-organized to focus on sharing resources and best practices between schools and community STEM providers. At least 400 participants from 50+ schools returned to this event held at *Grand Canyon University*, Phoenix, AZ.

May 2016 - **AZ STEM School Community of Practice Kickoff Event** - co-organized a convening of collaborators from business, education, community and government as to facilitate working relationships among school teams, determine successes, opportunities, needs, and wants of participating schools and identify topics that schools could address collaboratively. A total of 400+ attendees attended from 57 schools at the *SRP Pera Club*, Tempe, AZ.

Sept 2015 - **Innovation Arizona Summit** - co-organized this 1000+ person conference with 50+ sessions and 60+ exhibitors around best practices and innovations in Arizona innovation and STEM. *Scottsdale Center for the Arts*, Scottsdale, AZ.

Feb 2015 - **Arizona SciTech Festival Video Launch** - organized a virtual video launch connecting 10 regions around Arizona and 12+ speakers including mayors, council members and sponsors. *Arizona Telemedicine Facility*, Phoenix and virtual.

Sept 2014 - **Innovation Arizona Summit** - co-organized this 1000+ person conference with 20 sessions and 60+ exhibitors around best practices and innovations in Arizona innovation and STEM. *Scottsdale Center for the Arts*, Scottsdale, AZ.

Nov 2014 - **Arizona SciTech Festival Event Planning Workshop** - co-organized a half day workshop including 5 sessions and 120 attendees, *Skysong*, Scottsdale, AZ.

Oct 2014 - **Technology Day** - co-organized a set of panels and speakers for a day of technology with *Scottsdale Leadership*, Scottsdale, AZ

Sept 2013 - **Arizona SciTech Kickoff Conference** - co-organized this 700+ person conference with 16 sessions and 40 exhibitors around best practices and innovations in Arizona STEM. *Scottsdale Center for the Arts*, AZ.

Sept 2013 - **Arizona SciTech Kickoff Conference** - co-organized this 350+ person conference with 12 sessions and 30 exhibitors around best practices in science festival development and STEM. *ASU Skysong,* Scottsdale, AZ.

May 2013 - **Omani Teacher Delegation** - organized a day of presentations from education, business, community and government to share best practices of creating a regional STEM festival, *ASU Skysong,* Scottsdale, AZ.

#### Service: University/Unit Committees

Not Applicable

#### Service: University/Unit Non-committee

Not Applicable

#### Teaching: Credit-bearing

CAT124, Science Mentoring in Community Settings, U.C. San Diego, Winter 2010

CAT124, Science Mentoring in Community Settings, U.C. San Diego, Spring 2009

CAT124, Science Mentoring in Community Settings, U.C. San Diego, Fall 2009

BIBC116 Protein Evolution, TA. U.C. San Diego, Fall 2004.

**Teaching: Curriculum Development**

Not Applicable

**Teaching: Other Activities**

Not Applicable

**Workload Distribution**

Not Applicable