

**CURRICULUM VITAE****Name:** Ra'sheedah Richardson**Title:** Director – Educational Development and Recognition**Address:** 4246 TAMU, College Station, TX. 77843**Telephone:** 979.845.0793**E-mail:** [sheedah@tamu.edu](mailto:sheedah@tamu.edu)**A. Education/Training**

INSTITUTION	DEGREE	YEAR	FIELD OF STUDY
Texas A&M University	Ph.D.	2012	Curriculum and Instruction and Policy Research in Science Education
Texas A&M University	M.S.	2004	Curriculum and Instruction, emphasis in Science Education
Texas A&M University	B.A.	2002	Biology, Chemistry Minor

**B. Professional License***Classroom Teacher Certification, Biology, 6th-12th grade**January 2003-2017**State Board for Educator Certification***C. Professional Experience***Director – Educational Development and Recognition**July 2023–present**Center for Teaching Excellence**Texas A&M University, College Station, Texas*

- **Support** the Center's Executive Director with the supervision of staff priorities, evaluations, budgets, professional development, and goal setting
- **Design and implement** the Center's strategic plan and goals in collaboration with the Executive Director
- **Mentor** staff including Educational Consultants, Program Managers, and graduate assistants
- **Provide** operational leadership for the Graduate Student Professional Development in Teaching (GSPDT) and English Language Proficiency (ELP) suite of programs and services
- **Provide** operational leadership for faculty professional development in teaching programming including a workshops and learning communities
- **Oversee** the New Faculty Orientation (NFO) - Teaching Excellence sessions Initiative,
- **Provide** oversight for the Professional Development in Teaching (PDiT) Research Agenda
- **Oversee** center-wide marketing and outreach efforts
- **Oversee** awards and recognition efforts for faculty and graduate students, including Montague, Provost Academic Professional Track, ACUE – Instructional Excellence Project, and CIRTL Awards Banquet
- **Provide** consultation services to departments, schools, and colleges
- **Represent** institutional/Center goals and objectives through service on local and national committees
- **Provide** grant support

- **Conduct** and **disseminate** research on faculty development and graduate student professional development in teaching and learning

*Associate Director*

*December 2021– June 2023*

*Center for Teaching Excellence*

*Texas A&M University, College Station, Texas*

- **Supported** the Center's Director with the supervision of staff priorities, evaluations, budgets, professional development, and goal setting
- **Provided** leadership supporting staff in Graduate Student Professional Development in Teaching
- **Defined** measures and **assess** the effectiveness of programming supporting graduate student professional development in teaching
- **Provided** leadership supporting staff of the English Language Proficiency (ELP) Program
- **Mentored** Instructional Consultants, Postdoctoral Research Associates, graduate assistants, and undergraduate assistants
- **Served** on university-level committees
- **Provided** consultation support for the preparation of grants and implementation of grant programs and projects
- **Oversaw** the development of the Professional Development in Teaching (PDiT) Research Agenda for graduate student programs in collaboration with the Graduate and Professional School
- **Conducted** and **disseminated** research on faculty development and graduate student professional development in teaching and learning

*Assistant Director*

*January 2018–December 2021*

*Center for Teaching Excellence*

*Texas A&M University, College Station, Texas*

- **Supported** the Center's Director with the supervision of staff priorities, evaluations, budgets, professional development, and goal setting
- **Provided** leadership supporting staff of the English Language Proficiency (ELP) Program
- **Mentored** the Graduate Student Professional Development in Teaching Postdoctoral Research Associate, graduate assistant, and undergraduate assistant
- **Defined** measures and **assess** the effectiveness of programming supporting graduate student professional development in teaching
- **Advised** the Academy for Future Faculty (AFF) volunteer team
- **Designed** and deliver workshops supporting graduate and professional student professional development in teaching and learning
- **Provided** consultation services to Texas A&M University, Texas A&M University School of Law; and Texas A&M University at Galveston related to graduate and professional student development in teaching and mentoring
- **Provided** grant writing support to colleges and units related to graduate students' professional development in teaching and mentoring
- **Supported** the Office of Graduate and Professional Development in the management and execution of the Teaching Assistant Training and Evaluation Program (TATEP)
- **Coordinated** the university-wide Teaching Assistant Institute (TAI) at Texas A&M University and Texas A&M University at Galveston
- **Developed** and **coordinated** graduate programs including: Graduate Teaching Consultant; Academy for Future Faculty; CIRTL-Teaching-as Research and the cross-listed course SCEN, GEOS, ENGR 677 - STEM Teaching Professional Development

- **Afforded** research, and instructional supports to the TAMUS - Texas Alliance for Graduate Education and the Professoriate (AGEP) (Sponsor: National Science Foundation)
- **Conducted** and **disseminated** research on graduate student professional development in teaching and learning
- **Served** on university-level committees

***Graduate Faculty Member***

***May 2021–present***

*Department of Teaching, Learning and Culture, College of Education and Human Development*

*Texas A&M University, College Station, Texas*

- **Mentor** graduate students in the design and implementation of educational research
- **Facilitate** duties and responsibilities of scholarship associated with the operations of a graduate committee member

***Instructional Consultant***

***May 2010–December 2017***

*Center for Teaching Excellence*

*Texas A&M University, College Station, Texas*

- **Coordinated** the university-wide Teaching Assistant Institute at Texas A&M University and Texas A&M University at Galveston
- **Designed** and deliver workshops supporting graduate and professional student professional development in teaching and learning
- **Supported** the Office of Graduate and Professional Development in the management and execution of the Teaching Assistant Training and Evaluation Program (TATEP)
- **Defined** measures and **assess** the effectiveness of programming supporting graduate student professional development in teaching
- **Developed** and coordinated graduate programs including: Graduate Teaching Consultant; Academy for Future Faculty; CIRTL-Teaching As-Research and the cross-listed course SCEN, GEOS, ENGR 677 - STEM Teaching Professional Development
- **Supported** in the facilitation of the cross-listed course SCEN, GEOS, ENGR 677 - STEM Teaching Professional Development; also including serving as co-instructor
- **Mentored** Graduate Teaching Consultants and Teaching-as-Research Fellows
- **Served** as the campus liaison and advance the mission of the Center for the Integration of Research, Teaching, and Learning: <http://cirtl.net> and <http://cirtl.tamu.edu>
- **Conducted** individual consultations for colleges and departments regarding professional development in teaching experiences for graduate students and post-doctoral research associates
- **Provided** grant writing support to colleges and units related to graduate student's professional development in teaching and mentoring
- **Conducted** and **disseminated** research on graduate student professional development in teaching and learning

***Graduate Assistant - Louis Stokes Alliance for Minority Participation (LSAMP) Program***

***May 2010–August 2011***

*Division of Educational Outreach, Dwight Look College of Engineering*

*Texas A&M University, College Station, Texas*

- **Assisted** Associate Director in project management activities for the Louis Stokes Alliance for Minority Participation (LSAMP) Program
- **Supervised** multidisciplinary team of Graduate Assistants and coordinated with office staff
- **Facilitated** Engineering Transfer Scholars' (ETS) Program and Bridge-to-Doctorate Program
- **Designed** and **coordinated** appropriate academic and professional experiences for 30 undergraduate and graduate students in science, technology, engineering and mathematics (STEM)
- **Communicated** with scholarship and fellowship recipients using **oral** and **written** methods
- **Mentored** undergraduate and graduate students in STEM fields
- **Collected, maintained, and analyzed** student data
- **Prepared** project summary reports

**Instructor of Record**

*September 2005-May 2010*

*Department of Teaching, Learning and Culture, College of Education and Human Development*

*Texas A&M University, College Station, Texas*

- **Served** as instructor of the undergraduate methods courses: Science in the Elementary School, TEFB 413; Science Methods in Early Childhood Education, ECFB 420; and Problem Solving in Math-Science, MASC 351
- **Observed, evaluated, and advised** pre-service teachers' instructional practices in public schools
- **Coordinated** with classroom teachers about pre-service teachers' instructional experiences
- **Designed** curriculum including pedagogy and experimental design appropriate for pre-service teachers

**Consultant - Bryan Independent School District (BISD)**

*April 2010*

*GearUp Project!: Advancement via Individual Determination (AVID) Program*

*Bryan, Texas*

- **Planned** a science day camp, In Pursuit (iPS), for at-risk 8<sup>th</sup> grade students
- **Facilitated** campus-based activities
- **Designed** science experiments appropriate for 8<sup>th</sup> grade students
- **Coordinated** with research scientist and graduate students in Chemistry and Physics

**Consultant & Instructor - Bryan Independent School District (BISD)**

*December 2009*

*GearUp Project!: Advancement via Individual Determination (AVID) Program*

*Bryan, Texas*

- **Designed** science curriculum based on the bad science in the Hollywood movie, *2010*
- **Instructed** at-risk 8<sup>th</sup> grade students in science content and investigative process skills, such as observation, experiment design, and communication of data during a science camp
- **Coordinated** with the Director of the Brazos Valley Museum of Natural History, Dr. Deborah Cowman, for resources and materials supporting instruction in the informal learning environment

**Graduate Research Assistant - Policy Research Initiatives in Science Education Scholar (PRISE)**

*September 2005–December 2009*

*Department of Teaching, Learning and Culture, College of Education and Human Development*

*Texas A&M University, College Station, Texas*

- **Managed** high school-university connections with eight Texas high schools and the PRISE Research Group
- **Collected** field data at high schools using survey and case study research methods
- **Led and assisted** in writing a series of reports, including white papers, policy briefs and state-of-the-state reports, documenting the practices of high school science programs in Texas
- **Assisted** in the management and analysis of data pertaining to the recruitment, induction, professional development and retention of high school science teachers

**Mentor - PlantIT: Cases, Collaboration and Careers**

*August 2009*

*Botanical Society of America, Saint Louis, MO & Department of Teaching, Learning, and Culture, College of Education and Human Development*

*Texas A&M University, College Station, TX*

*(Funded by the National Science Foundation)*

- **Assisted** in the planning and facilitation of a two-week professional development workshop, including contacting scientist and guest speakers
- **Mentored** a diverse population of students in middle and high school indicating an interest in a science related career

**Curriculum Designer/Presenter - Science Methods Boot Camp**

*April 2009*

*Department of Teaching, Learning, and Culture, College of Education and Human Development*

*Texas A&M University, College Station, TX*

- **Designed** science curriculum for a three-day workshop for undergraduate pre-service science teachers
- **Instructed** pre-service teachers in pedagogy and experimental design
- **Collaborated** on a diverse instructional team including faculty and graduate students

**Teacher Mentor - Planting Science Research in High School Classrooms**

*August 2008*

*Botanical Society of America, Saint Louis, MO & Department of Teaching, Learning, and Culture*

*College of Education and Human Development*

*Texas A&M University, College Station, TX*

*(Funded by the National Science Foundation)*

- **Assisted** public school teachers in the design of inquiry activities based in plant biology during a ten-day professional development workshop
- **Observed and recorded**, using case-study research methods, public school teachers' experiences as they engaged in innovative instructional practices involving collaboration with scientists during a ten-day workshop

**Teacher Mentor - PlantIT: Cases, Collaboration and Careers**

*July 2008*

*Botanical Society of America, Saint Louis, MO & Department of Teaching, Learning, and Culture*

*Texas A&M University, College Station, TX*

*(Funded by the National Science Foundation)*

- **Assisted** public schools' teachers to design and implement case-based laboratory practices with plants during a two-week professional development workshop
- **Mentored** students in middle and high school indicating an interest in a science related career

**6-12<sup>th</sup> Teacher Mentor - e-Bat**

**June 2007**

*Department of Veterinary Physiology and Pharmacology, College of Veterinary Medicine and Biomedical Sciences*

*Texas A&M University, College Station, TX*

*(Funded by the Michael E. DeBakey Institute and the National Science Foundation)*

- **Mentored** public school teachers in the design of 9-12<sup>th</sup> grade instructional practices relevant to cardiovascular research using live bats
- **Helped** teachers coordinate with research scientists on-site at Texas A&M and **use innovative technology** such as establish remote access connections to laboratory microscopes from their classrooms

**K-12 Teacher Mentor, Plant Genomics Team - ITS Center for Teaching and Learning**

**June 2007**

*College of Science & Department of Teaching, Learning, and Culture, College of Education and Human Development, Texas A&M University, College Station, TX*

*(Funded by the National Science Foundation)*

- **Collaborated** with a multidisciplinary research team, including scientist, educational researchers, teachers and graduate students in the design and facilitation of a three-week professional development workshop for teachers and graduate students involving innovative instructional practices in science
- **Assisted** teachers in the development of research skills used in plant genomics and design of inquiry-based lesson plans

**Graduate Assistant/Technician**

**September 2004-June 2005**

*Department of Soil and Crop Sciences, College of Agriculture and Life Sciences*

*Texas A&M University, College Station, TX*

- **Designed** a series of online learning modules on biotechnology for use by middle school teachers in the classroom <http://cottongenomics.biosci.utexas.edu/outreach/index.php>
- **Assisted** in the development and facilitation of the secondary science workshop *Stepping into Biotechnology*

**Instructor of Record**

**May 2003-September 2004**

*Department of Teaching Learning and Culture, College of Education and Human Development*

*Texas A&M University, College Station, Texas*

- **Served** as instructor of the undergraduate course Teaching Education Field Based, TEFB 406-Science Methods
- **Conducted** classroom evaluations of pre-service science teachers' instructional practices in public schools Bryan Independent School District, Bryan, TX

**Substitute Teacher**

*January 2003-June 2007*

*Bryan Independent School District*

*Bryan, TX*

- **Taught** middle and high school classes **over 4 years** at Bryan High School, Hammond-Oliver High School for Human Sciences, Jane Long and Sam Rayburn Middle Schools, Bonham, Milam and Neal Elementary Schools
- **Developed and/or implemented** lesson plans and **designed** a classroom environment conducive to student learning
- **Assumed** full duties as a classroom teacher

**Student Teacher – Johnston Middle School, Houston TX**

*September 2002-December 2002*

*Department of Teaching Learning and Culture, College of Education and Human Development*

*Texas A&M University, College Station, Texas*

- **Developed** lesson plans for 8<sup>th</sup> grade science
- **Implemented** various instructional strategies to assist student learning in an inner-city school
- **Applied** appropriate assessment techniques to understand student learning
- **Taught** approximately 80 unassisted and assisted days of science classes
- **Maintained** student progress reports, including 6 weeks grades, and other school data
- **Cooperated** with a multidisciplinary team of teachers to design an integrated lesson cycle

**Research Technician**

*May 2002-August 2002*

*Department of Biology*

*Texas A&M University, College Station, TX*

- **Instructed** a summer intern in proper laboratory research skills and procedures
- **Identified and characterized** potential regulatory genes in nutrient deprived *E. coli* colonies using novel research techniques

**Student Researcher I & II**

*September 1996-May 2002*

*Department of Biology*

*Texas A&M University, College Station, TX*

- **Identified and preserved** *E. coli* cells expressing heightened transcription levels of pMCB, promoter for the microcin B17 operon
- **Evaluated** the effects of mutagenesis on gene expression in *E. coli*
- **Presented** research results and methods at symposiums

**D. Courses Taught**

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First Year Experience, *FYEX 101*

Science in the Elementary School, *TEFB 413*

Science Methods in Early Childhood Education, *ECFB 420*

Teaching Education Field Based-Science Methods, *TEFB 406*

Problem Solving in Math-Science, *MASC 351*

Special Topics- STEM Teaching Professional Development, *SCEN, GEOS, ENGR 677*  
(*curriculum design and implementation support*)

### **E. Doctoral Students**

Ciana Bowhay (*completed 2021*)

Mi Sun An (*completed 2024*)

Sarah Kent

### **F. Skills and Languages**

Articulate 360

Consulting

French Language (Intermediate)

Project Management

Mixed-Method Research Methods

Qualitative Research Methods

Survey Research Methods

### **G. Service and Memberships**

Center for the Integration of Research, Teaching and Learning Campus Liaison *October 2014-present*

Center for the Integration of Research, Teaching and Learning Network Operations Group (CNOG)

*October 2016-May 2021*

Academy for Future Faculty Advisor

*September 2013-October 2023*

Texas A&M University Student Organization Advisor

*September 2009-present;*

*September 2006-December 2008; September 2002- December 2004*

National Association for Research in Science Teaching (NARST)

*2005*

Texas A&M University Science Education Clinical Faculty Search Committee

*September 2005- September 2007*

### **H. Awards and Honors**

Tradition of Excellence Award – Texas A&M University *2021*

President’s Meritorious Service Award - Texas A&M University *2017-2018*

Office of Graduate Studies Dissertation Completion Fellowship - Texas A&M University *2011-2012*

National Science Foundation Young Scholar Award *2007-2008*

Policy Research in Science Education (PRISE) Scholar Fellowship, Sponsored by the National Science Foundation *2005-2009*

Kappa Delta PI International Honor Society in Education, Texas A&M Chapter *2004*

### **I. Research Focus**

Graduate Teaching Assistant Development

Future Faculty Development

Scholarly Learning Communities

Science, Technology, Engineering, and Mathematics (STEM) Education



## J. Grants

*Collaborative Research: The Texas A&M System AGEP Alliance: A Model to Advance Historically Underrepresented Minorities in the STEM Professoriate Managing Division* (September 1, 2017 – August 31, 2023) (\$1,645,437); Role: Project Personnel; Agency: National Science Foundation Alliances for Graduate Education and the Professoriate Award # 1723255; Karen Butler-Purry (Principal Investigator); Rosana Moreira (Co-PI); Debra Fowler (Co-PI); Joanna Pellois (Former Co-PI); Adrienne Carter-Sowell (Former Co-PI)

*Interactions of Gallotannins with the Intestinal Microbiome in Obesity – Translational Research and Sustainable Undergraduate and Teacher-Engagement in Underrepresented Communities* (February 1, 2023 – January 31, 2026) (\$1,150,000); Role: Project Personnel; Agency: United States Department of Agriculture Sustainable Agricultural Systems; Award # 1030664; Susanne Talcott, (PI); Janet Antwi,, (Co-PI); Ra'sheedah Richardson, R. (Co-PI); Stephen Talcott, (Co-PI); Robert Strong, R. (Co-PI)

## K. Publications, Presentations, Posters and Technical Reports/White Papers

### Publications

Stitt-Bergh, M., Fowler, D., Donaldson, J.P., Hunter, T., **Richardson, R.**, & Patterson, C.A. (2023). Designing for impact: The center for teaching and learning as a cultivator of a faculty learner-leader praxis. *To Improve the Academy: A Journal of Educational Development*, (42),2,. [To Improve the Academy: A Journal of Educational Development | Issue: Issue: 2\(42\) Fall \(2023\) \(umich.edu\)](https://www.umich.edu/journals/tia/issue/2(42)Fall2023)

Mehrubeoglu, M., Kelly, K., Butler-Purry, K., **Richardson, R.**, Walton, S., Chaloo, L., Regisford, G., King, S., Murphrey, T., Burr, E., Carson, L. Coffin, R., Moreira, R., Carter, C., Chaloo, R., Richburg, A., & Carter-Sowell, A. (2023, August). Facilitating the Transition of Underrepresented Minority STEM Dissertators into Academic Careers: Evolution of TxARM AGEP Alliance Model. *Journal of STEM Education*. <https://jstem.org/jstem/index.php/JSTEM/issue/view/160>

Bowhay, C., Wickersham, T, **Richardson, R.** & Dunlap, K. (2022). Texas panhandle beef production tour, a high-impact compressed course in animal science. *Translational Animal Science*, (6)2, 1-8. <https://doi.org/10.1093/tas/txac054>

Mehrubeoglu, M., Kelly, K., Walton, S., **Richardson, R.**, Butler-Purry, K., & King, S. (2022, June 26-29). *Academic Job Preparation for Underrepresented STEM Dissertators, Postdoctoral Researchers, and Early Career Faculty: Contributions to an Institutional Partnership Model for Promoting Diversification of the Professoriate* [Paper presentation]. 129th Annual ASEE (American Society for Engineering Education) Conference and Exhibition, Minneapolis, MN, United States.

Batra, J., **Richardson, R.** & Webb, R. (2020). *How to strengthen student motivation to learn complex 3D concepts in a large classroom?* [Paper presentation]. Annual ASEE Conference and Exposition, Online.

Turner, R., Xu, Z., **Richardson, R.**, Juranek, I, Murphrey, T, & Butler-Purry, K. (2020, February). *TxARM Model Implementation: Assessing the Scholarly Learning Community*. [Paper presentation]. 43rd Annual Southwest Educational Research Association Conference, Arlington, Texas, United States.

Cherrstrom, C. A., **Richardson, R.**, Fowler, D., Autenrieth, R., & Zoran, M. J. (2017). Creating teaching opportunities for STEM future faculty development. *Journal of STEM Teacher Education*, 52(1), 55-69.

Stuessy, C., Bozeman, D., Ivey, T., Metty, J., **Richardson, R.**, Skidmore, S., et al. (2007). *Process and Products: Results of the first year of the PRISE research agenda*. [Paper presentation]. Educational Research Exchange, College Station, Texas, United States.

Metty, J., Ivey, T., Milam, J., Brooks, L., Peterson, C., **Richardson, R.**, et al. (2006, October). *Mixed methods research: Examples of graduate students' mixed methods study proposals*. [Paper presentation] School Science and Mathematics Association, Missoula, Montana, United States.

Peterson, C., **Richardson, R.**, Troncoso-Skidmore, S., & Stuessy, C. (2006, October). *Changes in participants' concerns about the innovative professional learning environment of the information technology in science center (ITS) for teaching and learning*. Paper presented at the School Science and Mathematics Association, Missoula, MT.

Stuessy, C. L., McNamra, J. F., Scott, T., Bozeman, T. D., Ivey, T. A., **Richardson, R.**, et al. (2006, September). *Recruitment, retention, and continuous career development of science teachers: A policy research initiative*. [Paper presentation]. Center for Research, Evaluation and Advancement of Teacher Education (CREATE), San Antonio, Texas, United States.

Stuessy, C. L., Bozeman, T. D., Ivey, T. A., Metty, J., **Richardson, R.**, Troncoso-Skidmore, S., et al. (2006, September). *Informing policy: Strategies for retaining highly qualified high school science teachers*. [Paper presentation.] Southwest Association for Science, United States.

#### Presentations

**Richardson, R.**, Shahri, B., & Nava, A. (2023, October 4-6). *Effective Teaching Strategies for Student Success in the Classroom*. Workshop at the Texas Conference on Student Success, College Station, TX.

Shahri, B., **Richardson, R.**, & Harlin, J. (2022, November 14-20). *TATEP: An illuminative evaluation*. 47th Annual POD Network Conference, Online & Seattle, WA, United States. <https://pod2022online.sched.com/event/1AFb3/tatep-an-illuminative-evaluation>

Fowler, D.A., Patterson, C.A., Donaldson, J.P., and **Richardson, R.** (November 2020). *Designing for impact: The future of centers for teaching and learning. Selected as an interactive symposium at the forty-fifth Association for the Study of Higher Education's annual conference*. Virtual.

Lim, S.M., McLaughlin, V., Patterson, C.A., **Richardson, R.**, Goodey-Pellois, J., Hilty, C., & Harthcock, M. (2022). *Effective graduate training in soft skills in a full-day professional development workshop*. Oral presentation at the 27th Biennial Conference on Chemical Education. Purdue University, West Lafayette, IN.

Butler-Purry, K., **Richardson, R.**, Green, M.; Juranek, I.; Mehrubeoglu, R. (2021). *Más Fuertes Juntos”: Four Diverse Institutions Forging One Unique Alliance to be “Stronger Together*. Presentation at the AGEP National Research Conference. Online.  
<https://live.bu.edu/agep/sessions/richardson/>

**Richardson, R.**, Walton, S., Murphrey, T., & Richburg, A. (April, 2021). *Scholarly Learning Communities: A Powerful Technique to Engage Students and Extend Beyond the Classroom*. Presentation at the annual Transformational Teaching & Learning Conference, College Station, TX. <https://mediasite.tamu.edu/Mediasite/Play/72b5c5b11f304e6984c34029cff1de901d>

Murphrey, T., Kelly, K., Morris, L., **Richardson, R.**, Walton, S. Ganesan, A., Butler-Purry, K. & Moreira, R. (February 2021). *Using the Case Study Method to Demonstrate URM STEM Graduate Student Success and How to Promote Participation*. Presentation at the 44th Annual Southwest Educational Research Association Conference, Virtual Conference.  
[https://youtu.be/RxSAEdka\\_rM](https://youtu.be/RxSAEdka_rM)

Batra, J. S., **Richardson, R.** & Webb, R. (2020). How can instructors strengthen students’ motivation to learn complex 3D concepts in a large engineering classroom? *Frontiers in Education Conference*, Uppsala, Sweden.

Batra, J., **Richardson, R.** & Webb, R. (2020). Virtual Reality module and slides-based instruction: A mixed-methods study of student motivation for learning in a STEM classroom. Abstract accepted at the Transformational Teaching and Learning Conference, Texas A&M University, TX.

Fowler, D., **Richardson, R.**, Patterson, C. L., & Donaldson, J.P. (2020). Designing for impact: The future of centers for teaching and learning. Symposium presented at the 2020 Association for the Study of Higher Education Annual Conference, Nov18-21, 2020.

**Richardson, R.**, & Poling, N., (2014). *Applying the flipped approach to developing future STEM faculty*. Session presented at the 39th Professional and Organizational Development Network in Higher Education Conference, Dallas, TX.

Cherrstrom, C. A., Fowler, D., & **Richardson, R.** (2012). *Graduate student professional development in teaching—Interdisciplinary & blended learning*. Concurrent session conducted for the 37th Annual Conference of the Professional and Organizational Development (POD) Network in Higher Education, Seattle, WA.

Cherrstrom, C. A., **Richardson, R.**, & Fowler, D. (2012). *Future faculty: Strategies for professional development in teaching*. Concurrent session conducted at the Sixth Annual Conference of the Texas Faculty Development Network (TFDN), Kingwood, TX.

Stuessy, C., Bozeman, D., Ivey, T., Metty, J., **Richardson, R.**, Skidmore, S., Wilson. (2006). *Process and Products: Results of the First Year of the PRISE Research Agenda*. Texas A&M University.

#### Posters

**Richardson, R.**, Fowler, D. & Butler-Purry, K. (2020). *Academy for Future Faculty: A Future Faculty Preparation Program and Partnership*. Poster presented at the 49th Annual Conference of Southern Graduate Schools, Birmingham, Alabama.

Butler-Purry, K., Turner, R., Coffin, R., King, S., Regisford, G., Carson, L., Carter, C., Gibbon, G., Juranek, I., Kelly, K., Murphrey, T., **Richardson, R.**, Wilkins, R., Carter-Sowell, A., Challoo, L., Challoo, R., Clapp, L., Fowler, D., Green, M., Mehrubeoglu, R., Moreira, R., Walton, S., Lyons, M., Ballinger, A., Pardo, P., Xu, Z., and Burr, E. (2020). *TxARM AGEP: Utilizing Activities Outside the Student's Primary Institution to Prepare for the Professoriate*. Poster presented at the AGEP National Research Conference.

Batra, J., Webb, R., & **Richardson, R.** (2019). *Virtual Reality technology as an instructional tool in Materials Science and Engineering classroom*. Poster presented at the 6th Annual CIRTL (Center for the integration of Research, Teaching and Learning) Forum, Philadelphia, Pennsylvania.

Cherrstrom, C.A., **Richardson, R.**, Fowler, D., Autenreith R. & Zoran, M. (2015). *Creating Teaching Opportunities for STEM Future Faculty Development*. Poster presented at the 5<sup>th</sup> Annual CIRTL (Center for the integration of Research, teaching and Learning) Forum, College Station, TX.

Peterson, C. A. and **Richardson, R** (2004, October). *Model of an instructional framework dismissing misconceptions of photosynthesis and respiration*. Poster presented at the annual meeting of the School Science and Mathematics Association, Atlanta, GA.

#### Technical Reports and White Papers

Bozeman, D., Stuessy, C. L., Hollas, T, Ivey, T. **Richardson, R.**, Spikes, S., Vasquez, C., & Yoo, D. (2009). *Professional Policies and Practices for Recruiting and Retaining High School Science Teachers: A Chart Essay Describing the State-of-the-State of Texas High Schools*. A Technical Report published by the Policy Research Initiative in Science Education, Texas A&M University, College Station, TX.

Stuessy, C. L., Bozeman, D., Hollas, T, Ivey, T. **Richardson, R.**, Spikes, S., Vasquez, C., & Yoo, D. (2009). *Professional Practices: A Chart Essay Describing the State-of-the State of Texas High School Science Teachers*. A Technical report published by the Policy Research Initiative in Science Education, Texas A&M University, College Station, TX.

Ivey, T., Stuessy, C. L., Hollas, T, Eds. (2009). *Settings for High School Science in Texas:*

*Sketches of Representative High Schools*. A Technical Report published by the Policy Research Initiative in Science Education, Texas A&M University, College Station, TX.

Ivey, T. A., **Richardson, R.** (2007). *Professional Relationships Within School Walls*. White paper, Policy Research Initiative in Science Education, Texas A&M University, College Station, TX. Retrieved from <http://prise.tamu.edu>

Metty J., Lisa Brooks, Ivey, T., Milam, J., Peterson, C., **Richardson, R.**, Stuessy, C.L., & Troncoso-Skidmore, S (2006, September). *Four Examples of Mixing Methods to Enrich Graduate Student Research*. Paper presented at the Southwest Association of Science Teacher Education, Wichita, KS.

**Richardson, R.**, Troncoso-Skidmore, S., & Wilson, R. (2007). *Recruitment practices*. White paper. Policy Research Initiative in Science Education, Texas A&M University, College Station, TX. Retrieved from <http://prise.tamu.edu>

**Richardson, R.** & Wilson, R. (2007). *Professional Supports Outside School Walls*. Unpublished white paper, Policy Research Initiative in Science Education, Texas A&M University, College Station, TX.