

# Victoria Hollas, Ph.D.

Department of Teaching, Learning & Culture  
College of Education and Human Development  
Texas A&M University  
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Current as of February 2012

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## PERSONAL

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## EDUCATION

*Texas A&M University, College Station, TX*  
Ph.D. in Curriculum and Instruction, 2011  
Dissertation Title: Science Teaching in Texas: Investigating Relationships Among Texas High School Science Teachers' Working Conditions, Job Satisfaction, and Retention

*Houston Baptist University*  
B.A. in Secondary Education, 1996

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## PROFESSIONAL LICENSES

*State Board for Educator Certification*  
Classroom Teacher Certification: Math 4-8, History 6-12, Elementary 1-8

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## EXPERIENCE

### July 2007 to present

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

*Policy Research Initiatives in Science Education Scholar/Graduate Student/Graduate Research Assistant*

- 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 synthesis of data relating to the recruitment, induction, professional development and retention of high school science teachers
- Collected field data at high schools using survey and case study research methods
- Served as a liaison between the PRISE Research Group and eleven high school principals
- Designed and developed official website

### June 2008 to present

**Botanical Society of America, Saint Louis, MO and Department of Teaching, Learning, and Culture, Texas A&M University, College Station, TX**

*PlantIT: Cases, Collaboration and Careers, Graduate Research Assistant/Training Coordinator/Project Manager*

- Assisted in the planning and facilitation of a two-week workshop, including contacting scientist and guest speakers
- Mentored minority students in middle and high school indicating an interest in a science related career
- Developed and implemented training modules for teachers.
- Acted as University Liaison between project development group and site coordination group.
- Coordinated all logistics yearly involving applicants nationwide
- Managed and coordinated budget reporting and financial integrity of accounts totaling more than \$300,000 annually.

**June 2008 to present**

**Botanical Society of America, Saint Louis, MO and Department of Teaching, Learning, and Culture, Texas A&M University, College Station, TX**

*PlantingScience: Research in High School Classrooms, Graduate Research Assistant/Training Coordinator/Project Manager*

- Hosted teachers during a ten-day workshop, including the facilitation of recreational activities
- Assisted teachers in the design of inquiry activities based in plant biology
- 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

**July 2007 to present**

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

*Graduate Teaching Assistant*

- Created and moderated e-Learning classes for graduate level coursework
  - EDCI 603: Professional Development Strategies for Teachers
  - EDCI 675: Teaching Strategies: Patterns of Learning

**August 2006-August 2007**

**Katy Independent School District, Katy, TX**

*Instructional Technology Facilitator*

- Responsible for all training for school faculty and administration including technology training, administrative training, performance assessments, policy training, continuing education training, and professional development
- Acted as a liaison between district and school administration in implementing technology needs.
- Supported instruction through the training and integration of technological tools in the classroom.
- Ensured the efficient and effective use of software applications
- Acted as a technology support and worked to resolve issues pertaining to hardware and software
- Supported a district-wide use of web-based curriculum and lesson-planning

**August 2004-August 2006**

**Katy Independent School District, Katy, TX**

*Mathematics Teacher*

- Developed and implemented lesson plans for 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> grade Math
- Employed various instructional strategies to assist student learning
- Cooperated with a multidisciplinary team of teachers to design an integrated lesson cycle
- Established a classroom environment conducive to encouraging growth of students' cognitive, emotional, and social development
- Supervised pre-service teachers within their student teaching experience

**August 2001-August 2004**

**Houston Independent School District, Houston, TX**

*Mathematics and Science Teacher*

- Developed and implemented lesson plans for 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> grade Math and Science
- Employed various instructional strategies to assist student learning
- Cooperated with a multidisciplinary team of teachers to design an integrated lesson cycle
- Established a classroom environment conducive to encouraging growth of students' cognitive, emotional, and social development
- Supervised Math department as Department Chair
- Served as mentor teacher to new and new-to-school recruits

**August 1997-August 2001**  
**Houston Independent School District, Houston, TX**

*Mathematics, Science, and Social Studies Teacher*

- Developed and implemented lesson plans for 6<sup>th</sup> grade Math, Science, and Social Studies
- Employed various instructional strategies to assist student learning
- Cooperated with a multidisciplinary team of teachers to design an integrated lesson cycle
- Established a classroom environment conducive to encouraging growth of students' cognitive, emotional, and social development

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**PROFESSIONAL INTERESTS**

Innovative Online Curriculum Design and Delivery  
Pre-service Teacher Training  
Professional Development of Teachers  
Teacher Recruitment Practices  
Teacher Working Conditions

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**HONORS AND AWARDS**

PRISE Scholar Fellowship, Sponsored by the National Science Foundation, NSF: July 2007-present  
Kappa Delta PI International Honor Society in Education, Inducted into the Texas A&M Chapter: 2009

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**REFEREED JOURNAL ARTICLES (UNDER REVIEW)**

Ivey, T., Stuessy, C.L., Bozeman, D., & **Hollas, T.** Linking science teacher induction practice with students' overall science proficiency and college readiness in Texas high schools. *Educational Evaluation and Policy Analysis*.

**PUBLICATIONS, POSTERS, CONFERENCES, and PRESENTATIONS**

**Hollas, T.** & Stuessy, C.L. (October, 2010). *School profiling: Is it a good or a bad thing? When does profiling matter*. Paper presented at the Southwest Association for Science Teacher Education (SW-ASTE) conference, Stillwater, OK.

Ivey, T., **Hollas, T.**, & Stuessy, C.L. (September, 2009). *Settings for high school science in Texas: Sketches of representative high schools*. College Station, TX: PRISE Research Group at Texas A&M University. (344 pp.)

Ivey, T., Stuessy, C. L., Bozeman, D., & **Hollas, T.** (2011, April). *Science teacher induction and student achievement in science: Is there a link?* Presentation at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.

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*. Unpublished, Policy Research Initiative in Science Education, Texas A&M University, College Station, TX.

Stuessy, C. L., Bozeman, D., **Hollas, T.**, Richardson, R., Vasquez, C., Spikes, S., Yoo, D., & Ivey, T. A. (2010, March). *Predicting science achievement and science teacher retention in Texas high schools with school- and teacher-level variables*. A paper presented at the annual meeting of the National Association for Research in Science Teaching, Philadelphia, PA. [Note: 7 graduate student Policy Research Initiative in Science Education (PRISE) Research Fellows supported with National Science Foundation funds presented this paper with Stuessy.]

Stuessy, C., **Hollas, T.**, Ivey, T., Richardson, S., Spikes, S., Stiles, T., Vasquez, C., & Wilson, R. (2008, March). *A model for preparing policy researchers in science education research and graduate education*. Special colloquium presented at the Annual Meeting of the National Association for Research in Science Teaching, Baltimore, MD. Available: NARST *Proceedings*, peer-reviewed and published on CD.

Stuessy, C., McNamara, J., & the PRISE Research Group (Bozeman, D., **Hollas, T.**, Ivey, T., Richardson, S., Spikes, S., Stiles, T., Vasquez, C., & Wilson, R.) (2007, September). *Mapping the research terrain of the high school science TPC: Domain, geography, and method*. Research poster presented at the Invited National Symposium for Principal Investigators, National Science Foundation, Washington, DC.

Stuessy, C. L. (2009). *Research informing policy about retaining high school science teachers: Paper 1, Products and protocols for informing policy*. Symposium organized and first paper of six presented with graduate students Dane Bozeman, Ra'sheedah Richardson, **Tori Hollas**, Caroline Vasquez, Sarah Spikes, & Toni Ivey at the annual meetings of the Southwest Educational Research Association, San Antonio, TX.

Stuessy, C. L., & PRISE Research Group (Bozeman, D., **Hollas, T.**, Ivey, T., Richardson, S., Spikes, S., Stiles, T., Vasquez, C., & Wilson, R.). (2007). Literature review as an invitation to inquiry: Beginning research on Teacher Professional Continuum. *School Science and Mathematics*, 107 (2), 42-43.

Stuessy, C. L., Ruebush, L., Peterson, C. A., **Hollas, T.**, & Johnston, J. (2011, April). *Classroom implementation and student engagement in an online inquiry environment involving scientists as mentors*. Presentation at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.

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## SKILLS

- Survey research methods
- Qualitative Research Methods
- Mixed-Method Research Methods
- Experimental science research methods
- Image J
- Camtasia
- Microsoft Software Package (e.g. Access, PowerPoint, Word)
- Adobe Web Premium (e.g. Dreamweaver, Photoshop)

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## REFERENCES

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