

## **Dr. Brandi K. Reese**

Texas A&M University-Corpus Christi  
Science & Engineering, Life Sciences

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### **Education**

PhD, Texas A&M University, 2011.

MS, University of California-Riverside, 2007.

BS, Southern Methodist University, 2001.

### **Professional Employment**

Assistant Professor, Texas A&M University. (January 2015 - Present).

Post-Doctoral Researcher, University of Southern California. (December 2011 - December 2014).

Project Geologist, AEI Consultants (dba All Environmental, Inc.). (January 2002 - August 2007).  
Soil and water contamination investigation and remediation

### **Professional Memberships**

American Geophysical Union  
American Society of Limnology and Oceanography

## **TEACHING**

### **Teaching Experience**

BIOL 4396, DIS: Spectroscopy to Analyze the Mineralogy of Deep Sea Sediments in the mid Atlantic Ridge  
BIOL 4408, MICROBIAL DIVERSITY-ECOLOGY  
BIOL 5417, MICROBIAL ECOLOGY  
ESCI 3351, OCEANOGRAPHY  
ESCI 5596, DIRECTED INDEPENDENT STUDY  
MARB 5392, THESIS PROPOSAL  
MARB 6392, DISSERTATION PROPOSAL  
MARB 6590, Special Topics: Microbial Ecology  
MARB 6596, IND: Bioinformatics of Environmental Communities  
MARB 6940, DISSERTATION PROJECT RESEARCH

### **Non-Credit Instruction**

Microbiology. (October 2015).  
MARB Seminar. (February 2015).

## **SCHOLARLY AND CREATIVE ACTIVITIES**

### **Publications**

## Refereed

### Journal Articles

Reese, B. K., Koester, J., Kirkpatrick, J., Konotchick, T., Allen, L. Z., Dziallas, C. (2015). How extreme is extreme? A Review of life in extreme environments. *Limnology and Oceanography*, 5, 69–87.

Kieft, T., Onstott, T., Ahonen, L., Aloisi, V., Colwell, F. S., Engelen, B., Gaidos, E., Harms, U., Head, I., Reese, B. K. (2015). Workshop to develop deep-life continental scientific drilling projects. *Scientific Drilling*, 19. [www.sci-dril.net/19/43/2015/](http://www.sci-dril.net/19/43/2015/)

## Presentations

Reese, B. K. (Presenter), "It's ALIVE! Examining Life Below the Seafloor Through Ocean Drilling," HRI Seminar Series, Texas A&M University-Corpus Christi, Corpus Christi, Texas. (October 23, 2015).

Reese, B. K. (Author & Presenter), "From the Gulf of Mexico to the deep subsurface: Interdisciplinary approach to geomicrobiology," U. Delaware Plant and Soil Sciences Departmental Seminar, University of Delaware. (October 16, 2015).

Reese, B. K. (Author & Presenter), "Microbial community structure within sediment and basalt along the Mid-Atlantic Ridge," Max Planck Institute, Bremen, Germany. (August 5, 2015).

Reese, B., "Examining Life Below the Seafloor Through Ocean Drilling," Hanse Wissenschaftskolleg, Delmenhorst, Germany. (July 29, 2015).

Reese, B., "Global distribution of active subsurface microbes," University of Aarhus Center for Geomicrobiology, Aarhus, Denmark. (July 14, 2015).

Reese, B., "Global distribution of active subsurface microbes," MARUM Center for Marine and Environmental Sciences, Bremen, Germany. (June 9, 2015).

Reese, B., "Re-Defining the Subsurface Biosphere: Characterization of Fungal Populations from Energy Limited Sediments," Geobiology in Space Exploration Workshop, UK Centre for Astrobiology, Sardinia, Italy. (May 25, 2015).

Reese, B., "From the Gulf of Mexico to the deep subsurface: Interdisciplinary approach to geomicrobiology," University of Texas Marine Science Institute, Port Aransas, Texas. (April 17, 2015).

## Contracts, Grants and Sponsored Research

### Grant

Smee, Delbert Lee (Co-Principal), Reese, Brandi (Principal), "Mangrove Expansion Alters Sediment and Water Quality and Affects Biodiversity in Texas Wetlands," Sponsored by Texas GLO, State, \$95,912.00. (September 2017 - March 2019).

Reese, Brandi, "Characterization of South Pacific Gyre Subsurface Microbial Community," Sponsored by Consortium for Ocean Leadership, Federal, \$20,000.00. (September 1, 2015 - January 31, 2016).

## Sponsored Research

Reese, Brandi, "A Novel Approach to Understanding Carbon Cycling in Marine Subsurface Sediment Through the Integration of Metabolomics and Transcriptomics," Sponsored by TCRF Program Development, Texas A&M University-Corpus Christi, \$20,000.00. (September 1, 2015 - August 31, 2016).

## Scholarly and Creative Awards and Honors

Junior Research Fellow, Hanse-Wissenschaftskolleg (HWK). (2016).  
Junior Research Fellow, Hanse-Wissenschaftskolleg (HWK). (2015).  
Outstanding Islander, Texas A&M University-Corpus Christi. (2015).

## SERVICE

### Department

Attendee, Meeting, TAMU-CC MARB Retreat. (January 2016).  
Attendee, Meeting, TAMU-CC MARB Retreat. (January 2015).

### College

Faculty Advisor, Stream Team. (2015 - 2016).  
Committee Chair, Distinguished Lecture Speaker Series. (September 2015 - August 2016).

### University

Guest Speaker, Louis Stokes Alliance for Minority (LSAMP) Participation Symposium. (April 2016).  
Guest Speaker, Beta Beta Beta (TriBeta). (April 2016).  
Attendee, Meeting, Texas OneGulf (TONE) Workshop. (April 2016).  
Attendee, Convocation, TAMU-CC Graduation. (December 2015).  
Student Recruiter, TAMU-CC Grad Fair. (November 2015).

### Professional

Reviewer, Journal Article, Frontiers in Extreme Microbiology. (2013 - Present).  
Reviewer, Journal Article, Geomicrobiology Journal. (2013 - Present).  
Reviewer, Grant Proposal, International Ocean Discovery Program. (January 2016).

### Public

Committee Member, REVISION: Revising Science Education with Vision national visiting committee. (January 2016 - Present).  
Grant Proposal Reviewer, External, National Aeronautics and Space Administration. (November 2015 - Present).  
Grant Proposal Reviewer, External, National Science Foundation. (2013 - Present).  
Science Judge, National Ocean Science Bowl. (2008 - 2016).