

Terrence (Terry) M. Quinn, Ph.D.

Contact Information

900 South 1st St., #401 | Austin, TX 78704 | terrymquinn@gmail.com | 512-771-4252

Leadership Appointments

1. National Science Foundation (2018-Present, IPA Rotator)

Director, Division for Ocean Sciences, Geosciences Directorate

Website: [NSF Ocean Sciences](https://www.nsf.gov/ocean)

Essential Functions

- Manage and direct NSF/OCE's ~\$400M annual budget.
- Lead and manage a staff of 3 Section Heads, 25 Program Directors, 5 Science Assistants, 2 Policy Specialists, and 7 administrative staff.
- Recruit new staff through the lens of subject-matter expertise and B-A-JEDI (Belonging-Accessibility-Justice, Equity, Diversity, and Inclusion) mindset
- Create and maintain a culture of advancing ocean sciences through discovery in an open and transparent manner.
- Communicate discoveries of the ocean science community within NSF and to external stakeholders.

Notable Achievements

- Gained National Science Board approval for renewal of the JOIDES Resolution Science Operator (\$382M over 5 years).
- Managed approval process for two of the three new Regional Class Research Vessels currently under construction (R/V *Narragansett Dawn*, R/V *Gilbert R. Mason*).
- Achieved NSF divestment in R/V *Marcus G. Langseth* and sale of vessel to Columbia University.
- Successfully advocated for the Global Ocean-Biogeochemistry Array program in Mid-Scale Research Infrastructure-II competition within NSF.
- Recruited and supervise an Ocean Policy Specialist and a Science Communication Specialist.
- Created Annual Frontiers of Ocean Sciences Symposium at NSF in 2019. In three years, all thirteen invited speakers were early-career scientists, nine women and four BIPOC.
- Created a new, high-profile, modern exhibit booth for the Division of Ocean Sciences.
- Primary driver and leader in restarting Ocean Sciences Postdoctoral Research Fellowship program.
- Successfully recruited person of color as a Program Director to manage OCE Postdoctoral Fellowship program.

Committees/Interagency Activities

- NSF Member, Ocean Resource Management (ORM), Office of Science & Technology (OSTP)
- NSF Principal, United States Coral Reef Task Force
- Co-Chair (Alternate), Subcommittee Ocean Science and Technology (SOST), National Science & Technology Council (NSTC)
- Member, Steering Committee, White House Summit on Partnerships in Ocean Science and Technology (2019)

2. University of Texas at Austin (2009-2018)

Director, University of Texas Institute for Geophysics (UTIG), Jackson School of Geosciences

Website: <http://ig.utexas.edu/>

Purpose: The Director is the Chief Executive Administrative Officer of the Institute for Geophysics (aka UTIG), an international leader in marine geology, geophysics, tectonics, seismology, and climate research and one of 3 principal units in the Jackson School of Geosciences.

Essential Functions

- Manage UTIG's \$24M annual budget, which grew by ~\$10M from 2010 to 2018.
- Led and managed a staff of 35 Ph.D. scientists, 16 postdocs, 14 research engineers, 3 IT support staff, and 11 administrative staff.
- Managed the research portfolio with an eye toward emerging disciplines. Expanded the Institute's climate and planetary geophysics groups which led to a 3-fold increase in research expenditures from 2010 to 2018 (cf., \$4M/year to \$12M/year).
- Oversaw hiring of research and professional staff while mindfully increasing diversity of the unit.
- Established new royalty streams to diversify the Institute funding, including partnering with a geophysical service company to market seismic data from the Gulf of Mexico, which has yielded >\$4M in royalties to UTIG as of 2018.
- Led development efforts to increase corporate and foundation giving to UTIG that yielded an increase in the annual investment from the Vetlesen Foundation (\$100k to \$300k).
- Represented the Institute and the interest of the School as a whole as a member of the Jackson School Executive Committee.

Notable Achievements

- Created endowments for UTIG Postdoctoral Fellowship, Research Excellence Award, and Administrative Excellence Award
- Re-balanced research portfolio by strategic growth in planetary science, which diversified our funding portfolio to be less reliant on NSF
- Focused hiring efforts on early-career scientists from minoritized groups
- Re-branding UTIG: new logo, website, social media presence, and science communication officer

Executive Leadership Training

- University of Texas Executive Management and Leadership Program. Fall 2017. Austin TX
- Congressional Operations Seminar. Government Affairs Institute at Georgetown University. Spring 2019. Washington DC.
- Executive Leadership Retreat. National Science Foundation. Summer 2019. Alexandria VA.
- Developing & Implementing an Outward Mindset. Arbinger Institute (Online). Spring 2021.
- Leadership Decision Making. Harvard Kennedy School (Online). September 2021.

Academic Appointments

University of Texas at Austin (2005-present, Professor and Sr. Research Scientist)

University of South Florida (1991-2006, Assistant to Full Professor)

University of Michigan (1989-1991, Postdoctoral Scholar)

Education

Ph.D., Brown University (1989), Geological Sciences
M.S., Wichita State University (1984), Geology
B.S., SUNY-Oneonta (1982), Earth Sciences

Professional Leadership and Service

Lead Author, Chapter 5, Information from Paleoclimate Archives, Working Group I Contribution to the IPCC Fifth Assessment Report, Climate Change 2013: The Physical Science Basis, 2010-2013
Consortium for Ocean Leadership, 2008-2018
Member, Oceans and National Security Initiative, 2015-2018
Chair, Membership Committee, 2012-2013
Integrated Ocean Drilling Program, 1997-2013
SIPCom, Executive Council, 2011-2013
SASEC, Executive Council, 2009-2012
Science Planning Committee (SPC), 2003-2006
Co-Chair, JOIDES PPG Scientific Drilling of Shallow Water Systems, 1997-2000
National Science Foundation, 2001-2005
Steering Committee Member, Earth System History, advisory panel, OCE-ATM, 2005-2007
Steering Committee Member, Marine aspects Earth System History, OCE advis. panel, 2001-2005

University Service

Jackson School of Geosciences, University of Texas at Austin, 2017-2018
Chair, Dean's Review Committee, Jackson School of Geosciences, 2015
Member, Strategic Planning Council, Jackson School of Geosciences, 2009-2018
Member, Dean Search Committee, Jackson School of Geosciences, 2008-2009
Chair, Climate System Science Search Committee, Jackson School of Geosciences, 2007-2012
College of Marine Science, University of South Florida, 2004-2006
Member, CMS Dean's Advisory Council

Significant Outreach Activities

Faculty participant in GeoFORCE Texas, a program involving south Texas students (mostly minority, mostly first college generation) in grades 8-12, which seeks to inspire the next generation of geoscientists and foster increased diversity in the U.S. workforce (Summer 2008-2014, South Florida field trip). Later mentored 3 Latina graduates of the program in undergraduate research. All three went on to earn MS degrees in geosciences.
Lead sponsor, Science Olympiad, a program that mentors middle and high school students in world of science via event competitions. UTIG graduate students help mentor and coach students from local Austin high schools.

Summary of Student Supervision and Mentoring

Undergraduate researchers (5; 4 women (3 Latinas), 1 man)
Master's students (15; 10 women, 5 men)
PhD students (7; 5 women, 2 men)
Postdoctoral Scholars (4; 1 woman, 3 men)

Student Supervision and Mentoring

Undergraduate researchers (5; 4 women (3 Latinas), 1 man)

Kristen Mitchell (Eckerd College; 2005; PhD from Utrecht), Chris Maupin (Eckerd College, 2006; PhD from UT Austin), Marissa Vara (UT, 2012-2014; MS from LSU), Victoria Fortiz (UT, 2013-2015; MS from Penn State), April Trevino (UT, 2015-2017; MS from BYU). All completed graduate school.

Master's students (15; 10 women, 5 men)

University of South Florida (11)

Kathleen Ketcher, 1993; Leanne Roulier, 1994; Stephen Schellenberg, 1994; Jennifer Wyatt, 1994; Holly Harrison, 1995; Richard Kayser, 1995; Douglas Hilderbrand, 1998; Kelly Kilbourne, 2003; Christie Stephans, 2003; Kris Stair, 2007; Chris Maupin, 2008.

University of Texas at Austin (4)

Elizabeth Dunn, 2009, Meaghan Gorman, 2011, Kaustubh Thirumalai, 2012, Natasha Sekhon, 2016.

PhD students (7; 5 women, 2 men)

University of South Florida (3)

Jennifer Smith, 2006; Kelly Kilbourne, 2006; Kristine DeLong, 2008.

University of Texas at Austin (4)

Kelly Hereid, 2012; Chris Maupin, 2014, Kaustubh Thirumalai, 2016, Allison Lawman (2020; co-supervised with Jud Partin).

Postdoctoral fellows (4): Harunar Rashid (USF, 2003-2005), Jud Partin (UT, 2009-2011), Deborah Khider (UT, 2011-2013), Michael Erb (UT, 2013-2015)

Professional Research Publications

[Quinn's Google profile](#) (H index, 47; 6626 citations; September 2021)

Books

Vacher, H.L. and **Quinn, T.M.** (eds.), 1997, *Geology and Hydrogeology of Carbonate Islands*. Elsevier, Developments in Sedimentology 54, 948

Book Chapters

Poore, R.Z, Verardo, S., Caplan, J., Pavich, K., and **Quinn, T.M.**, Planktic Foraminiferal Relative Abundance and Trends in Gulf of Mexico Holocene Sediment Records: Record of Climate Variability. In Buster, NA and Holmes CW (editors), *Gulf of Mexico: Origin, Waters, and Biota*, Texas A&M University Press, 2009.

Quinn, T.M., and Schone, B., 2007, Corals, Sclerosponges and Mollusks. In Elias, S.A., (Editor), *Encyclopedia of Quaternary Science*, Elsevier.

Quinn, T.M., and Saller, A.H., 1997, Geology of Anwetak Atoll. In Vacher, H.L. and Quinn, T.M. (Eds.), *Geology and Hydrogeology of Carbonate Islands*, Developments in Sedimentology 54. Elsevier, 637-666.

Quinn, T. M., 1990, Forward Modeling of Bank Margin Carbonate Diagenesis: Results of Sensitivity Tests and Initial Applications; *in*, Cross, T. A., ed., *Quantitative Dynamic Stratigraphy*, Prentice Hall, NY, p. 445-455.

Workshop Reports

Quinn, T. M., and Tudhope, A.W., 2002, *The Science and Technology of Submerged Coral Drilling: A Workshop Report*, JOI/U.S. Science Support Program.

Peer-Reviewed Journal Articles (Student names underlined)

1. Lawman, A., Di Nezio, P., Partin, J, Dee, S.G., Thirumalai, K., **Quinn, T.M.**, Unravelling forced responses of extreme El Nino variability over the Holocene, *Science Advances* (submitted)
2. Thirumalai, K., Richey, J.N., J., **Quinn, T.M.**, Sea-surface temperature and salinity in the Gulf of Mexico during the Holocene, 2021, *Paleoceanography and Paleoclimatology*, doi.org/10.1029/2021PA004221

3. Lawman, A., Partin, J, Dee, S.G., Casadio, C.A., Di Nezio, P., **Quinn, T.M.**, Developing a coral proxy system model to compare coral and climate model estimates of changes in paleo-ENSO variability, 2020, *Paleoceanography and Paleoclimatology*, doi.org/10.1029/2019PA003836.
4. Lawman, A., **Quinn, T.M.**, Partin, J, Thirumalai, K., Taylor, F., Wu, C.-C., Shen, C.-C.), A century of reduced ENSO during the Medieval Climate Anomaly, 2020, *Paleoceanography and Paleoclimatology*, doi.org/10.1029/2019PA003742.
5. Richey, J.N., Thirumalai, K., Khider, D., Reynolds, C.E., Partin, J., Quinn, T.M., Considerations for *Globigerinoides ruber* (white and pink) paleoceanography: comprehensive insights from a long-running sediment trap, 2019, *Paleoceanography and Paleoclimatology* 34, 353-373, doi.org/10.1029/2018PA003417.
6. Thirumalai, K., **T. M. Quinn**, Okumura, Y., J. N. Richey, Partin, J.W., R. Z. Poore, and Moreno-Chamarro, E., Pronounced centennial-scale Atlantic Ocean climate variability correlated with Western Hemisphere hydroclimate, 2018, *Nature Communications*, 9, 1, 392, doi.org/10.1038/s41467-018-02846-4.
7. Thirumalai, K., **T. M. Quinn**, and Marino-Chamarro, G., Constraining past seawater ¹⁸O and temperature records developed from foraminiferal geochemistry, 2016, *Paleoceanography*, DOI: 10.1002/2016PA002970.
8. Delong, K., Maupin, C. R., Flannery, JA, **Quinn, T.M.**, and Shen, C.-C., Refining temperature reconstructions with the Atlantic coral *Siderastrea siderea*, 2016, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 462, 1-15, 10.1016/j.palaeo.2016.08.028.
9. Partin, J.W., **Quinn, T.M.**, Shen, C.-C., Okumura, Y., Cardenas, M.B., Siringan, F.P., Banner, J.L., Lin, K., Taylor, F.W., Gradual Onset and Recovery of the Younger Dryas Abrupt Climate Event in the Tropics, 2015. *Nature Communications*, 6, 8061, 2015, doi:10.1038/ncomms9061.
10. Maupin, C. R., J. W. Partin, C.-C. Shen, **T. M. Quinn**, K. Lin, F. W. Taylor, J. L. Banner, K. Thirumalai, and D. J. Sinclair, Persistent decadal-scale rainfall variability in the tropical South Pacific Convergence Zone through the past six centuries, *Climate of the Past*, 10, 1319-1332, 2014, doi:10.5194/cp-10-1319-2014.
11. Thirumalai, K., J. N. Richey, **T. M. Quinn**, and R. Z. Poore, *Globigerinoides ruber* morphotypes in the Gulf of Mexico: A test of null hypothesis, *Scientific Reports*, 4, 6018, 2014, doi:10.1038/srep06018
12. Delong, K., Flannery, JA, Poore, RZ, **Quinn, TM**, Maupin, CR, Lin, K., Shen, CC, A reconstruction of sea surface temperature variability in the southeastern Gulf of Mexico from 1734 to 2008 CE using cross-dated Sr/Ca records from the coral *Siderastrea siderea*, 2014, *Paleoceanography*, 29, 403–422, doi:10.1002/2013PA002524.
13. Delong, K., **Quinn, T.M.**, Taylor, F.W., Shen, CC, Lin, K., Improving coral-base paleoclimate reconstructions by replicating 350 years of coral Sr/Ca variations, *Palaeogeography, Palaeoclimatology, Palaeoecology*, Volume 373, 1 March 2013, Pages 6-24, ISSN 0031-0182, 10.1016/j.palaeo.2012.08.019.
14. Hathorne, Ed C., Alex Gagnon, Thomas Felis, Jess Adkins, Ryuji Asami, Wim Boer, Nicolas Caillon, David Case, Kim M. Cobb, Eric Douville, Peter deMenocal, Anton Eisenhauer, C.-Dieter Garbe-Schönberg, Walter Geibert, Steven Goldstein, Konrad Hughen, Mayuri Inoue, Hodaka Kawahata, Martin Kölling, Florence Le Cornec, Braddock K. Linsley, Helen V. McGregor, Paolo Montagna, Intan S. Nurhati, **Terrence M. Quinn**, Jacek Raddatz, Hélène Rebaubier, Laura Robinson, Aleksey Sadekov, Rob Sherrell, Dan Sinclair, Alexander W. Tudhope, Gangjian Wei, Henri Wong, Henry C. Wu and Chen-Feng You, Inter-laboratory study for coral Sr/Ca and other element/Ca ratio measurements, *Geochem. Geophys. Geosyst.*, 2013, DOI: 10.1002/ggge.20230
15. Hereid, KA, **Quinn, TM**, Okumura, Y, Assessing spatial variability in ENSO event detection skill using coral geochemistry, *Paleoceanography*, 2013. doi:10.1029/2012PA002352.
16. Hereid, KA, **Quinn, TM**, Taylor, FW, Shen, CC, Edwards, RL, Cheng, H, Coral record of reduced El Nino activity in the early 15th to middle 17th century, *Geology*, 2013. doi: 10.1130/G33510.1.

17. Maupin, C.R., Partin, J.W., **Quinn, T.M.**, Shen, C-C., Lin, K., Emile-Geay, J., Taylor, F.W., Banner, J.L., Sinclair, D.J. Rainfall variability in the south Pacific convergence zone through the past six centuries. 2013, *Climates of the Past Discussions*, 9, 5593-5625, 2013.
18. Partin, J.W., **Quinn, T.M.**, Shen, C-C., Taylor, F.W., Banner, J.L., Maupin, C.R., Lin, K., Sinclair, D.J., Huh, C-A., Multi-Decadal Rainfall Variability under the South Pacific Convergence Zone from 1570-2005, 2013. *Geology*, doi:10.1130/G34718.1.
19. Thirumalai, K., Partin, J.W., Jackson, C.S., **Quinn, T.M.**, Statistical constraints on El Niño Southern Oscillation reconstructions using individual foraminifera: a sensitivity analysis, 2013, *Paleoceanography*, doi:10.1002/palo.20037.
20. DeLong, K., **Quinn, T.M.**, Taylor, F.W., Lin, K., Shen, CC, Sea Surface Temperature Variability in the Southwest Tropical Pacific Since AD 1649, *Nature Climate Change*, 2012. <http://dx.doi.org/10.1038/nclimate1583>.
21. Gorman, MK, **Quinn, TM**, Taylor, FW, Powell, EM, Cabioch, G., Ballu, V., Maes, C., Austin, JA, Sastrup, S, Pelletier, B., Coral-based reconstruction of sea-surface salinity at Sabine Bank, Vanuatu from 2007 to 1842 CE., *Paleoceanography*, 2012. doi:10.1029/2012PA002302.
22. Kim, W., Fouke, B.W., Petter, A.L., **Quinn, T.M.**, Kerans, C., Taylor, F.W., Sea level rise, depth-dependent carbonate growth, and the paradox of drowned platforms, *Sedimentology*, 59, 6, 1677-1694, 2012. DOI: [10.1111/j.1365-3091.2012.01321.x](http://dx.doi.org/10.1111/j.1365-3091.2012.01321.x), 2012.
23. Partin, JW; Jenson, JW; Banner, JL; **Quinn, TM**; Taylor, FW; Sinclair, D; Lander, MA; Bell, T; Miklavič, B; Jocson, John MU; Hardt, B; Taboroši, D. Relationship between Modern Rainfall Variability, Cave Dripwater and Stalagmite Geochemistry in Guam, USA, *Geochem. Geophys. Geosyst.*, 2012. doi:10.1029/2011GC003930.
24. Sinclair, D. J., J. L. Banner, F. W. Taylor, J. W. Partin, J. Jenson, J. Mylrole, E. Goddard, **T. M. Quinn**, J. Jenson, and B. Miklavik, Magnesium and strontium systematics in tropical speleothems from the western Pacific, *Chemical Geol.*, 294, 1-17, 2012, doi:10.1016/j.chemgeo.2011.10.008
25. Spear, J.W., Poore, R.Z., and **Quinn, T. M.**, *Globorotalia truncatulinoides* (dextral) Mg/Ca as a proxy for Gulf of Mexico winter mixed-layer temperature: Evidence from a sediment trap in the northern Gulf of Mexico. *Marine Micropaleontology*, doi:10.1016/j.marmicro.2011.05.001., 2011.
26. DeLong, K. L., Flannery, J.A., Maupin, C.R., Poore, R.Z., **Quinn, T.M.**, A coral Sr/Ca calibration and replication study of two massive corals from the Gulf of Mexico, *Palaeogeography, Palaeoclimatology, Palaeoecology*. doi:10.1016/j.palaeo.2011.05.005, 2011.
27. Kilbourne, K., Moyer, R.P., **Quinn, T.M.**, Grottoli, A.G., Testing Coral-based Tropical Cyclone Reconstructions: An Example from Puerto Rico, *Palaeogeography, Palaeoclimatology, Palaeoecology*. doi:10.1016/j.palaeo.2011.04.027, 2011
28. Kilbourne, K., **Quinn, T.M.**, Webb, R.S., Guilderson, T.F., Nyberg, J., Winter, A., Coral windows onto seasonal climate variability in the northern Caribbean since 1479 , *Geochem. Geophys. Geosyst.*, 11, Q10006, doi:10.1029/2010GC003171, 2010.
29. DeLong, K., **Quinn, T.M.**, Shen, CC, A Snapshot of Climate Variability at Tahiti ~ 9 ka using a Fossil Coral from IODP Expedition 310, *Geochem. Geophys. Geosyst.*, doi:10.1029/2009GC002758, 2010.
30. Scott, R.B., Holland, C.L., and **Quinn, T. M.**, Multidecadal trends in instrumental SST and coral proxy Sr/Ca records, *Journal of Climate*, 23, 5, 1017–1033, doi: 10.1175/2009JCLI2386.1, 2010.
31. DeLong, K., Poore, R. Z., **Quinn, T.M.**, Mitchum, G.T., Poore, R. Z., Evaluating highly resolved paleoclimate records in the frequency domain for multi-decadal scale climate variability, *Geophysical Research Letters*, 36, L20702, doi:10.1029/2009GL039742, 2009.
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- Groeneveld, D. Hastings, E. Hathorne, K. Kimoto, G. Klinkhammer, L. Labeyrie, D. W. Lea, T. Marchitto, M. A. Martínez-Botí, P. G. Mortyn, Y. Ni, D. Nuernberg, G. Paradis, L. Pena, **T. Quinn**, Y. Rosenthal, A. Russell, T. Sagawa, S. Sosdian, L. Stott, K. Tachikawa, E. Tappa, R. Thunell, and P. A. Wilson, Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry. *Geochem. Geophys. Geosyst.*, 9, Q08010, doi:10.1029/2008GC001974, 2008.
34. Kilbourne, K., **Quinn, T.M.**, Webb, R.S., Guilderson, T.F., Nyberg, J., Winter, A., Taylor, F.W., Paleoclimate proxy perspective on Caribbean climate since the year 1751: evidence of cooler temperatures and multidecadal variability, *Paleoceanography*, doi 10.1029/2008PA001598, 2008.
 35. Maupin, C.R., **Quinn, T.M.**, Halley, R.B., Extracting a climate signal from the skeletal geochemistry of the Caribbean coral *Siderastrea siderea*. *Geochem. Geophys. Geosyst.*, 9, Q12012, doi:10.1029/2008GC002106, 2008.
 36. Poore, R. Z., Delong, K., Richey, J. N., and **Quinn, T. M.**, Evidence of multidecadal climate variability and the Atlantic Multidecadal Oscillation from a Gulf of Mexico sea-surface temperature-proxy record, *Geo-Marine Letters*, 29, 6, 477-484, 10.1007/s00367-009-0154-6, 2009.
 37. Shen, CC, Li, KS, Sieh, K., Natawidjaja, D., Cheng, H., Wang, X., Edwards, RL, Lam, DD, Hsieh, YT, Fan, TY, Meltzner, AJ, Taylor, FW, Quinn, TM, Chiang, HW, Kilbourne, KH, Variation of initial $^{230}\text{Th}/^{232}\text{Th}$ and limits of high precision U-Th dating of shallow-water corals, *Geochim. Cosmochim. Acta*, 2008.
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 46. LoDico, J.M., Flower, B.F., and **Quinn, T.M.**, Sub-Millennial Scale Climatic and Hydrologic Variability in the Gulf of Mexico during the Early Holocene, *Paleoceanography* 21, 3, 10.1029/2005PA001243, 2006.
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Professional Research Funding

National Science Foundation

1. Isotopic and Chemical Signatures of Paleophreatic Lenses at Enewetak Atoll. Constraints on Pleistocene Sea Level, National Science Foundation, Geology and Paleontology, (co-PI; Kacey Lohmann), 6/91 to 5/93.
2. Earliest Oligocene Climate Transition and the Dynamics of Continental Ice Sheet Evolution: Constraints from High Resolution (10^4 yr) Deep-Sea Foraminifera $d^{18}O$ Time Series. National Science Foundation, Marine Geology and Geophysics (Co-PI: James Zachos), 5/91 to 4/94.
3. Acquisition of Direct Current Plasma Emission Spectrometer. National Science Foundation, Instrumentation and Facilities (Co-PI: Jeffrey Ryan), 9/93 to 8/94.
4. History of the Core of the Western Pacific Warm Pool: A Coral Perspective, NSF - Earth System History, (Co-PI's: Tom Crowley and Fred Taylor), 6/97-8/00.
5. Acquisition of a Stable Isotope Ratio Mass Spectrometer in Support of Global Change Research at USF, NSF, Earth Sciences-Equipment, (Co-PI: Ben Flower) 1/99 to 12/99.
6. An International Workshop on Submerged Coral Drilling, NSF-ATM, Paleoclimate Program (co-funded with JOI/U.S. Science Support Program), 6/00-5/01.
7. A Coral Perspective on Holocene Climate Variability in the Tropical Western Atlantic, NSF – Marine Geology & Geophysics, 8/02-7/05.
8. Sub-centennial-scale Gulf of Mexico Sea-Surface Temperature Variability during the Holocene Epoch, NSF- Earth System History (Co-PI B. Flower), 8/03 to 8/07.
9. A Coral-based Reconstruction and Analysis of Subdecadal- to Multidecadal-scale Climate Variability in the Cuban Sector of the Tropical North Atlantic/Caribbean Sea, NSF - Marine Geology and Geophysics (Co-PIs T. Guilderson and Robert Webb), 8/03 to 8/07.
10. Holocene/Deglacial Abrupt Climate Change and Variability of the Western Pacific Warm Pool from Multidecadal to Century Scale Coral, NSF- Earth System History (Co-PIs Taylor & Edwards), 6/04 to 7/07.
11. Seismic Profiling of Rapidly Subsiding Reefs on Sabine Bank, Vanuatu: Preparing for a Future Opportunity to Drill Ancient Reefs Representing Off-Peak and Lowstand Sea Levels During MIS 2-5, NSF – Ocean Sciences, IODP (UT lead: J. Austin & F. Taylor; USF subcontract: T. Quinn & S. Locker), 10/05-9/06.
12. SGER: Solar Influence on High-frequency Climate Variability – Possible Links to the Atlantic Multidecadal Oscillation and Hurricane Activity, NSF–ATM-Paleoclimate (Co-PI, Richard Poore), 3/1/06-2/28/07.
13. Multidecadal to Centennial Scale Variability in the Surface Ocean of the Northern Gulf of Mexico over the Late Holocene, NSF - Marine Geology and Geophysics, 9/09-8/12.
14. ENSO and West Pacific Warm Pool Climate Variability over the Last Three Centuries, NSF - Marine Geology and Geophysics, 6/11-12/13.

National Oceanic and Atmospheric Administration

1. Little Ice Age Coral Records from the South Pacific, NOAA Climate and Global Change Program (Co-PI's: Tom Crowley and Fred Taylor), 7/93 to 7/95.
2. Calibration of Western South Pacific Coral Isotope Records, NOAA, Office of Global Programs, (Co-PI's: Tom Crowley and Fred Taylor), 1/97-6/00.

3. Calibration of Proxy Records from Coral Skeletons to C-MAN Data from the Florida Keys, USA, NOAA, Office of Global Programs (Co-PI's: Richard Dodge, Robert Halley and Peter Swart), 8/02 to 7/03.
4. Climate Reconstructions from Caribbean Corals, NOAA, Office of Global Programs (Co-PI's: Richard Dodge, Robert Halley and Peter Swart), 8/03 to 7/05.
5. Coral-based Climate Reconstructions in the Caribbean, Office of Global Programs (Co-PI's: Richard Dodge, Robert Halley and Peter Swart), 8/05 to 7/06.
6. Coral-based Climate Reconstructions in the Caribbean, NOAA Coral Reef Watch (Co-PI's: Richard Dodge, and Peter Swart), 9/06 to 8/08.
7. Caribbean Corals as Proxies for Climate Change, NOAA Coral Reef Watch, 9/09 to 8/11.
8. Trace Element Analyses of Coral Material for Paleoclimate Study in the Western Pacific Warm Pool, 9/12-7/13.

Other

1. Sr-Isotopic Dating of Carbonates at Bougainville Guyot (ODP Site 831), JOI/USSAC, 3/91 - 2/92.
2. Chemistry and Petrology of ODP Leg 144 Carbonates, JOI/USSAC, 1/93 to 7/94.
3. Holocene/Late Pleistocene Climate Variability in the Gulf of Mexico: USGS/USF COOP, 10/99 – 9/00.
4. Holocene/Late Pleistocene Climate Variability in the Gulf of Mexico: USGS/USF COOP, 10/00 – 9/01.
5. Holocene/Late Pleistocene Climate Variability in the Gulf of Mexico: USGS/USF COOP, 10/01 – 9/02.
6. Holocene/Late Pleistocene Climate Variability in the Gulf of Mexico: USGS/USF COOP, 10/02 – 9/03.
7. Climate Reconstruction from Cuban Corals: Field Study Support, National Geographic, 10/01/04 to 4/30/05.
8. Holocene Climate Variability in the Gulf of Mexico (GOM): A COOP w/USGS and USF, 5/1/04 to 4/30/05.
9. Holocene Climate Variability in the Gulf of Mexico (GOM): A COOP w/USGS and USF, 5/1/05 to 4/30/06.
10. Holocene Climate Variability in the Gulf of Mexico (GOM): A COOP w/USGS and USF, 5/1/06 to 4/30/07.
11. Reconstructing Mean Climate and Climate Variability at Tahiti in Select Intervals of the Deglacial/Quaternary using Fossil Corals from IODP Exp. 310, JOI/U.S. Science Support Program, 9/07 to 2/09.
12. USGS Mendenhall Postdoctoral Fellowship, Kathy Tedesco (U South Carolina) – Research Advisors: Richard Poore, Terry Quinn (U Texas) and David Hollander (U South Florida), Project: Holocene climate and environmental variability - northern Gulf of Mexico
13. Holocene Climate Variability in the Gulf of Mexico (GOM), USGS, 07/08 – 07/13
14. Foraminiferal based Studies of Climate Variability in the Gulf of Mexico, USGS, 8/13 – 8/17.