

LYNNE D. TALLEY

Scripps Institution of Oceanography, University of California San Diego
9500 Gilman Dr.
La Jolla, CA 92093-0230
ltalley at ucsd.edu

BIRTH: May 18, 1954; Schenectady, New York

DEGREES:

B.A. in Physics, 1976, [Oberlin College, Oberlin, Ohio](#)

B.M. in Piano Performance, 1976, Oberlin Conservatory of Music, Oberlin, Ohio

Ph.D. in Physical Oceanography, 1982, [WHOI/MIT Joint Program in Oceanography](#)

POSITIONS HELD:

2023-present: Distinguished Professor of the Graduate Division, [Scripps Institution of Oceanography, UCSD, La Jolla, CA](#)

2012-2023: Distinguished Professor, [Scripps Institution of Oceanography, UCSD, La Jolla, CA](#)

1991-2012: Professor, Scripps Institution of Oceanography, UCSD, La Jolla, CA

1988-1991: Associate Professor, Scripps Institution of Oceanography, UCSD, La Jolla, CA

1985-1988: Assistant Professor, Scripps Institution of Oceanography, UCSD, La Jolla, CA

1984-1985: Assistant Research Oceanographer, Scripps Institution of Oceanography, UCSD, La Jolla, CA

1982-1983: Postdoctoral Research Associate, [Oregon State University, Corvallis, OR](#)

GRADUATE STUDENTS: 12 PhD, 3 MS students completed

Chamberlain, Paul (PhD 2022) (SIO postdoc)

Prend, Channing (PhD 2022) (NOAA CGC postdoc at U. Washington/CalTech)

Shi, Jia-rui (PhD 2021) (Woods Hole Oceanographic Institution postdoc)

Tamsitt, Veronica (PhD 2018) (U. South Florida)

Delman, Andrew (PhD 2016) (NASA JPL)

Billheimer, Samuel (PhD 2016) (left field)

Whalen, Caitlin (PhD 2015) (U. Washington APL)

Holte, James (PhD 2010) (Scripps Institution of Oceanography)

Brambilla, Elena (PhD 2006) (Lycee JM, Montpellier, France)

Shcherbina, Andrey (PhD 2004) (U. Washington APL)

Yuan, Xiaojun (PhD 1994) (Lamont Doherty Earth Observatory)

Bingham, Frederick (PhD 1990) (UNC Wilmington)

3 in progress (Taylor, Ben; Shapiro, Sophie; Jones, Kayleigh)

POSTDOCS:

Kuhn-Cordova, Angela (2022-)

Kepler, Lydia (2021-)

Wang, He (2015-2019) (U. Michigan/NOAA)

Rosso, Isabella (2015-2018) (GeoOptics, Lausanne, Pasadena)

Mazloff, Matthew (2008-2011) (Scripps Institution of Oceanography)

Cerovecki, Ivana (2007-2008) (Scripps Institution of Oceanography)

Robbins, Pelle (1998-2001) (Woods Hole Oceanographic Institution)

Flatau, Maria (1996-1997) (Naval Research Laboratory Marine Meteorology Division)

Zhang, Huai-min (1995-1996) (NOAA/NESDIS/NCEI)

Suga, Toshio (1994) (Sendai University)

REFEREED PUBLICATIONS: http://sam.ucsd.edu/talley_refereed_publications.html

UNREFEREED PUBLICATIONS: http://sam.ucsd.edu/talley_unrefereed_publications.html

AWARDS:

[Prince Albert I Medal](#) (International Association for the Physical Sciences of the Ocean), 2017

[Fridtjof Nansen Award](#) (European Geosciences Union), 2017

[Henry Stommel Research Award](#) (American Meteorological Society), 2017

[Albatross Award](#) (American Miscellaneous Society), 2016

[Huntsman Award](#) (Bedford Institute of Oceanography), 2003

[Rosenstiel Award](#) (University of Miami Rosenstiel School of Marine and Atmospheric Science), 2001

NSF Presidential Young Investigator, 1987

HONORS:

Member, [National Academy of Sciences](#), 2024

Fellow, [American Association for the Advancement of Science](#), 2017

Fellow, [The Oceanography Society](#), 2010

Fellow, [American Meteorological Society](#), 2008

Fellow, [American Geophysical Union](#), 2006

Fellow, [American Academy of Arts and Sciences](#), 2003

Mellon Foundation Fellowship (Scripps Institution of Oceanography), 1984

Phi Beta Kappa, 1976

Sigma Xi, 1976

PROFESSIONAL SOCIETIES:

[American Academy of Arts and Sciences](#)

[AAAS \(American Association for the Advancement of Science\)](#)

[AGU \(American Geophysical Union\)](#)

[AMS \(American Meteorological Society\)](#)

[TOS \(The Oceanography Society\)](#)

SEAGOING EXPERIENCE:

(1) R/V Knorr, Southwestern South Pacific, 1978. Hydrography, CTD. (graduate student).

(2) R/V T. Washington, 152W in the North Pacific, 1984. pre-WOCE P16N hydrography, CTD (co-chief scientist).

(3) R/V T. Thompson, 47N in the North Pacific, 1985. WOCE P1 hydrography, CTD (chief scientist).

(4) R/V Oceanus, 20W in the North Atlantic, 1988. WOCE A16N hydrography, CTD (co-chief scientist).

(5) R/V Melville, 25W in the South Atlantic, 1989. SAVE/WOCE A16C hydrography, CTD (chief scientist).

(6) R/V T. Washington, 150W in the tropical Pacific, 1991. WOCE P16C hydrography, CTD (chief scientist).

(7) R/V Knorr, 85W in the Pacific, 1993. WOCE P19 hydrography, CTD (chief scientist).

(8) R/V Knorr, 85E in the Indian Ocean, 1995. WOCE I8N/I5E hydrography, CTD (chief scientist)

(9) R/V Knorr, Subpolar North Atlantic, 1997. WOCE A24 hydrography, CTD (chief scientist)

(10) R/V Revelle, Japan/East Sea, 1999. Hydrography, CTD (chief scientist)

(11) Khromov, Japan/East Sea, 1999. Hydrography, CTD (co-chief scientist)

(12) Khromov, Japan/East Sea, 2000. Hydrography, CTD (co-chief scientist)

(13) RVIB N. B. Palmer, 150W in the Southern Pacific, 2014. GO-SHIP P16S hydrography, CTD, float deployments (chief scientist)

OTHER MAJOR FIELD EXPERIMENTS POST 2000:

[GO-BGC \(Global Ocean Biogeochemical float Array\)](#). BGC float distribution globally; shipboard support. (Johnson, Riser, Talley, Sarmiento, Wijffels)

[Southern Ocean Carbon and Climate Observations and Modeling \(SOCCOM\)](#).

Observational lead. (Sarmiento, Russell, Talley, Riser, etc.)

[U.S. GO-SHIP. Ongoing](#). Hydrography, CTD. (Co-chair steering committee)

[Okhotsk Sea dense water formation, 1999-2000](#). Moorings, hydrography. (Talley, Rudnick)

[Antarctic Intermediate Water formation in the southeast Pacific, 2005-2006](#). Hydrography, CTD, profiling floats. (Talley, Chereskin, Sloyan)

[CLIVAR Mode Water Dynamics Experiment \(CLIMODE\), 2005-2007](#). Hydrography, CTD, profiling floats. (CLIMODE team)

SELECTED PROFESSIONAL ACTIVITIES:

1987-1990: Member, AMS Waves and Stability Committee

1987-1992: Co-chair, WOCE Core Project 1 Working Group

1987-1992: Member, U. S. WOCE Scientific Steering Committee

1988-1989: Member, U. S. WOCE Hydrographic Implementation Panel

1988: Co-chair, U. S. WOCE Pacific Basin Meeting

1989-1991: Guest-editor, special J. Reid issue of Deep-Sea Research

1989-1992: Member, Climate Research Committee of the National Research Council

1990-1991: Member, Research Option Panel, ONR

1991-1993: Member, Advisory Committee for Ocean Sciences, NSF

1991-1994: Member, UCAR Postdoctoral Selection Committee

1991: Member, NSF physical oceanography proposal review panel

1992-1993: Chairman, PICES Working Group 1 on the Okhotsk Sea and Oyashio Region.

1992: Member, NSF ACOS visiting committee

1993-1994: Co-organizer of WOCE session at the Honolulu Pacific meeting (TOS)

1993-1994: DOE Westgec proposal review panel

1993-1995: Member, UCAR advisory panel on NOAA data management

1993: Co-chairman, steering committee, Vladivostok meeting, PICES

1994-1995: Member, NRC GOALS panel

1995-1996: Chair, WOCE Pacific Workshop organizing committee

1995-1998: Co-chair, WOCE Synthesis and Modeling Working Group

1996-2001: Co-director, WOCE Hydrographic Programme Office

1996: Chair, CLIVAR DecCen working group on Pacific/Indian

1997-2000: Member, University of Alaska School of Fisheries and Ocean Sciences Advisory Council

1997: Member, NSF physical oceanography proposal review panel

1998-2001: Member, International WOCE Scientific Steering Group

1998: Member, National Research Council review panel for the NASA JPL Physical Oceanography DAAC

1999-2000: member, NASA Earth System Science Advisory Committee

1999-2001: member, NSF Geosciences Advisory Council

2000-2002: member, Abrupt Climate Change Committee of the National Research Council

2000-2006: member, Climate Research Committee of the National Research Council

2000-2011: Editor, Journal of Physical Oceanography

2001-2002: member, Panel on Climate Change Feedbacks (National Research Council)

2001-2004: member, Waldo Smith Medal committee, AGU

2002-2003: convener, Global Ocean Circulation session at EGS/AGU

2002-2006: Councilor for Physical Oceanography, The Oceanography Society
2002-2006: Member, UCAR Board of Trustees
2002-2021: Co-chair, U.S. GO-SHIP (Repeat Hydrography) Oversight Committee
2003-2006: NOAA OAR Climate Observing System Council
2003: Frontier Observational Research System for Global Change (Japan) Interim Evaluation Committee
2004-2007: IPCC AR4 Working Group 1 (a Chapter 5 lead author)
2004: Member, NRC Committee on Review of the U.S. CLIVAR Project Office
2006-2008: AGU Fellows selection committee
2007-2008: Review coordinator for an NRC Board on Atmospheric Sciences and Climate report
2008-2010: Member, American Academy of Arts and Sciences 1:4 membership section panel
2008-2010: Member, AMS Oceanic Research Awards Committee
2008-2011: Member, US CLIVAR high latitude flux working group
2008: JAMSTEC IORSGC review committee (Japan)
2009-: Member, GO-SHIP oversight committee (IOCCP, CLIVAR)
2010-2013: IPCC AR5 Working Group 1 (a Chapter 3 lead author)
2011-2012: Member, Committee on the Future Science Opportunities in the Antarctic and Southern Ocean (Polar Research Board of the NRC)
2011-2012: Council Delegate, AAAS Section on Atmospheric and Hydrospheric Sciences
2011: Member, Vetlesen Award Committee (Lamont-Doherty Earth Observatory)
2012-2015: Member, MIT EAPS Visiting Committee
2012-2015: Member, U.S. CLIVAR Southern Ocean Working Group
2012-2013: Chair, U.S. AMOC external review committee
2012-2014: President-elect, AGU Ocean Sciences section
2013-2016: Member, AMS Fellows Committee
2013-2015: Co-chair, CLIVAR/CliC/SCAR Southern Ocean Region Panel
2015-2019: Member, 2nd International Indian Ocean Expedition (IIOE-2) US Steering Committee
2015-2016: President, AGU Ocean Sciences section
2016: Member, CLIVAR/CliC/SCAR Southern Ocean Region Panel
2016-2017: Member, Committee on Sustaining Ocean Observations (Ocean Studies Board of the NRC)
2016-2021: Member, NERC ORCHESTRA Programme Advisory Group
2017-2018: Past President and Chair of section Honors Committee, AGU Ocean Sciences section
2017: Member, EGU Alfred Wegener Medal committee
2017-: Member, US Biogeochemical Argo Subcommittee (OCB)
2018-2020: Member, AMS OAR Awards Committee; chair Suomi Award
2018-2020: Member, IAPSO Prince Albert I Medal committee
2019-2021: IUGG Wegener medal committee
2019-: Member, National Academy of Sciences Polar Research Board
2020-2021: Chair, AGU Macelwane award committee
2021-: Member, U.S. GO-SHIP Executive Council
2021-: Member, NASEM U.S. Ocean Decade National Committee
2021-2022: Member, NASEM Cross-cutting themes for U.S. contributions to the Ocean Decade
2022-: Member, Changelings
2024-: U.S. CLIVAR POS (Phenomena, Observations and Synthesis) Panel

Last modified: May 14, 2024