

LYNNE D. TALLEY

Scripps Institution of Oceanography, University of California San Diego
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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:

2012-present: 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: 10 PhD, 3 MS students completed

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

Tamsitt, Veronica (PhD 2018) (U. New South Wales, CSIRO)

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)

4 in progress (Chamberlain, Paul; Prend, Channing; Taylor, Ben; Shapiro, Sophie)

POSTDOCS:

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

Rosso, Isabella (2015-2018) (Scripps Institution of Oceanography)

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:

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) R/V 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-: 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-: Chair, AGU Macelwane award committee

2021-: Member, NASEM Next Ocean Decade National Committee

Last modified: August 6, 2021