

# LYNNE D. TALLEY

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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:

Keppler, 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](http://sam.ucsd.edu/talley_refereed_publications.html)

UNREFEREED PUBLICATIONS: [http://sam.ucsd.edu/talley\\_unrefereed\\_publications.html](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) 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 Next Ocean Decade National Committee  
2021-: Member, NASEM Cross-cutting themes for U.S. contributions to the Ocean Decade

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Last modified: December 14, 2021