**LAUREN S. MULLINEAUX**

Senior Scientist, Biology Department and Doherty Chair in Education

Woods Hole Oceanographic Institution

www.whoi.edu/mullineauxlab

**RESEARCH INTERESTS**

Population connectivity and community resilience; Benthic ecology; Larval ecology; Deep-sea biology

**PROFESSIONAL PREPARATION**

B.A., Summa cum laude, Biology, Pomona College, 1980

M.Sc., Earth Sciences, University of California, San Diego, 1984

Ph.D., Oceanography, U.C. San Diego, Scripps Institution of Oceanography, 1987

**APPOINTMENTS**

Chair, Biology Department, Woods Hole Oceanographic Institution, 2016 – 2020

Senior Scientist, Biology Department, Woods Hole Oceanographic Institution, 2001- present

Associate Scientist (tenured 1996), Biology Department, WHOI, 1992 -2001

Assistant Scientist, Biology Department, WHOI, 1988 - 1992

Postdoctoral Investigator, Ocean Engineering Department, WHOI, 1987 - 1988

**AWARDS AND HONORS**

AGU LANDInG Academy Fellow 2023 - pres

Doherty Chair in Education, 2022-2024

Doherty Diversity Equity & Inclusion Faculty Advisor, 2020-2022

Illg Distinguished Lecturer, UW Friday Harbor Laboratories, 2017

WHOI Ocean Life Fellow, 2011-2015

Henry L. and Grace Doherty Chair in Oceanography, 2008-2010

Arnold B. Arons Award for Excellence in Teaching, Advising, and Mentoring (first recipient), 2004

Holger W. Jannasch Chair for Excellence in Oceanography, 2002-2007

**CRUISE EXPERIENCE**

Chief or co-Chief Scientist on 15 blue-water cruises with deep submergence vehicles (Alvin, Jason, etc.)

Principal Investigator or participant in a total of 35 blue-water cruises since 1979

**EDUCATIONAL ACTIVITIES**

Instructor for MIT/WHOI courses: Biol Oce, Communicating Ocean Sci, Topics in Mar Ecol, JP Network

Graduate Advisor for 13 MIT/WHOI Joint Program students

Postdoctoral Advisor for 12 WHOI Scholars and Investigators

Undergraduate Research Advisor for 53 students including 23 from historically under-represented groups

Chair, JCBO, MIT/WHOI Joint Program in Oceanography, 2015 - 2016

Coordinator WHOI Summer Student Fellow Program, 2014 - 2016

Education Coordinator (J. Seward Johnson Chair), Biology Dept., WHOI, 1997-2002

**OTHER SELECTED PROFESSIONAL ACTIVITIES**

Backbone member of BRAID Alliance, 2022 - present

EPSCoR Advisory Board Member for University of Virgin Islands, 2014 - present

Scientific Committee of Ocean Climate Platform (Member, International) 2019 - present

Associate Editor, Deep-Sea Research, 2015 – 2016

Executive Committee Member, NSF Ridge2000, 2007-2008

Associate Editor, Limnology and Oceanography, 2000-2006

**NATIONAL AND INTERNATIONAL COMMITTEES:**

2022 – pres BRAID Alliance (Bringing together Allies In Diversifying Marine & Climate Careers)

2021 - pres ASLO Education and Outreach Committee

2019 - pres Ocean and Climate Platform, Scientific Committee

2018 - pres MIT Sea Grant Advisory Board

2015 - pres Deep Ocean Stewardship Initiative Working Group on Climate Change

2014 - pres University of Virgin Island EPSCoR project, Scientific Advisory Board

2015 - 2022 Deep Ocean Stewardship Initiative Working Group on Minerals

2015 - 2018 Co-Chair InterRidge Working Group on Vent Connectivity & Resilience

2014 - 2018 ASLO Award Selection Committee

2014 - 2016 Co-Convenor, 6th Int’l Symposium on Chemosynthesis-Based Ecosystems

2010 - 2018 INDEEP Population Connectivity Working Group

2002 - 2016 Canada Research Chairs College of Reviewers

2007 - 2008 Executive Committee, NSF Ridge2000

2006 - 2008 Steering Committee, NSF Ridge2000

2007 - 2008 Chair, East Pacific Rise Oversight Committee (Ridge2000)

2003 Visiting Professor, Université Pierre & Marie CURIE, Paris France

2002 - 2003 NSF Steering Committee on Cabled Observatories for Time Series

1999 - 2000 National Research Council Panel on Seafloor Observatories

1999 Organizing Committee, NSF Ridge2000

1996 - 2000 Chair, InterRidge Biology Committee (International)

1995 - 2000 Steering Committee, InterRidge (International)

1995 - 2001 Coordinating Committee, NSF LARVE Project

1993 - 1997 Steering Committee, NSF RIDGE

**NATIONAL AND INTERNATIONAL WORKSHOPS AND SYMPOSIA:**

2023 *Convenor/Organizer*: BRAID Workshop. 22-24 May.

2023 *Invited speaker*: Pacific Economic Cooperation Council International Seminar. June 13-14, Noumea, New Caledonia (hybrid)

2023 *Keynote speaker:* Massachusetts Marine Educators 47th Annual Meeting, Woods Hole, 6 May

2022 *Invited participant*: Diverse Ocean science Community through Collaboration workshop (DOCC Ideas Lab) Monterey, CA, 2-4 Aug

2022 *Invited participant*: Monaco Ocean Week on Sustainable Future, Monaco, 23 Mar (virtual)

2021 *Recruitment Booth:* SACNAS National Diversity in STEM Conference, 25-29 Oct. (virtual)

2021 *Poster session moderator:* 16th Deep-Sea Biology Symposium, 12-17 September (virtual)

2021 *Scientific Advisory Board member*: UVI EPSCoR review meeting, 1 December (virtual)

2021 *Scientific Advisory Board member:* MIT Sea Grant proposal review panel, 10 September (virtual)

2021 *External Advisory Board evaluator:* Ridge to Reef, UVI EPSCoR 15-16 July (virtual)

2021 *Scientific Advisory Board member:* MIT Sea Grant pre-proposal review panel, 6 April (virtual)

2020 *Recruitment Booth, WHOI team:* SACNAS National Diversity in STEM Conference, 19-23 Oct. (virtual)

2019 *Keynote speaker:* InterRidge 4th Theoretical Institute. Banyuls sur Mer, France, 16-21 Nov 2019

2019 *Invited participant:* Optimizing the Intern Research Experience. Woods Hole, MA, 27-29 June

2018 *Invited speaker:* UNESCO High-level Scientific Conference: From COP21 towards the United Nations Decade of Ocean Science for Sustainable Development (2021 – 2030). Sept 10-11, Paris

2018 *Session Co-Chair* at 2018 Ocean Sciences Meeting, Feb. 2018, Portland, OR, USA

2017 *Co-Convenor* of 6th International Symposium on Chemosynthesis-Based Ecosystems, Aug 27 – Sep 1. Woods Hole, Mass. USA

2015 6th International Oyster Symposium, WBNERR, Oct 20

2015 *Invited* *presenter and panelist*, COP21, Paris France Dec 10

2015 Site visit for EPSCoR Mare Nostrum project at UVI, St. Thomas, Oct 22-23

2015 Deep-Sea Biology Symposium, Aveiro Portugal, Aug 31 – Sep 4

2015 Deep Ocean Stewardship Initiative (DOSI) Workshop, Aveiro Portugal, Aug 30

2013 5th Int’l Symposium on Chemosynthesis-Based Ecosystems, Victoria, Aug 18

2012 *Invited participant*, Nautilus Minerals workshop, Salt Lake, Feb. 18-19

2009 4th Int’l Symposium on Chemosynthesis-Based Ecosystems, Okinawa Jun 28

2009 Deep-Sea Mining Workshop and Colloquium, Woods Hole, MA; Apr 1-3

2009 WHOI Ocean Ridge Initiative Workshop, Woods Hole, Feb 25

2009 Mid-ocean Ridge Initiative planning workshop (DOEI)

2008 *Invited speaker*, Marine Benthic Ecology & Biodiversity Symposium for J.F. Grassle, Nov 20-21

2008 COI Coastal Symposium, Woods Hole, Nov 13

2008 *Steering Committee,* Ridge2000 meeting, Boston, Nov 6-7

2008 Ridge 2000 MAR workshop, Portland

2007 *Invited speaker*, InterRidge Theoretical Institute, Woods Hole Sep 10-14

2006 *Keynote speaker and working group chair,* Seamount Biogeosciences Network workshop, San Diego, 24-25 Mar

2004 *Working Group Rapporteur,* ORION meeting, San Juan Puerto Rico, 4-9 Jan

2003 *Working Group Chair,* RIDGE2000 Community meeting, Boulder, CO Nov 6-8

2002 *Invited participant,* SCOTS planning workshop, Sept.

2002 RIDGE2000 Implementation Plan workshop, 6-9 April

2002 Regional planning workshop for NOAA Ocean Exploration, Avery Pt. CT, 27 Mar

2001 *Organizing committee,* International Symposium on Deep-sea Vent Biology; Brest Fr. 8-13 Oct

2001 *Convenor,* LARVE Results Symposium; May 19-22

2001 *Working Group Chair,* Pilot Census of Marine Life: Gulf of Maine Workshop; May 9-10

2001 *Invited panel member,* Census of Marine Life: ChEss Workshop; Woods Hole, 16-17 March

2001 *Session Chair,* ASLO "Benthos" session, Feb 12-16

2000 Pilot Census of Marine Life: Gulf of Maine & Georges Bank; Woods Hole, May 2-3

2000 *Convenor,* Management of Hydrothermal Vent Ecosystems Workshop, 28-29 Sept

2000 *Organizing Panel,* NAS Symposium on Seafloor Observatories, Islamodoro Jan 9-12

1999 *Organizing Committee,* RIDGE 2000 Meeting, 22-25 Sep

1999 *Steering Committee,* InterRidge Meeting, 25-26 Jun

1998 *Keynote Biology Speaker,* RIDGE 9N EPR results symposium, 24-26 Sept

1998 *Steering Committee*, InterRidge Meeting, 14-15 Sep

1997 *Steering Committee,* RIDGE Meeting, 17-18 Oct.

1997 *Steering Committee,* InterRidge Meeting, 25-26 Sep

1997 *Steering Committee,* RIDGE Meeting, June

1996 *Steering Committee,* RIDGE Meeting, 7-9 Oct

1996 *Steering Committee,* InterRidge Meeting 25-26 Sep

1995 *Invited speaker,* International Conference on Invertebrate Reproduction, 5-10 Aug

1995 *Invited participant,* InterRidge Biology Workshop, 23-25 Apr.

1995 *Convenor,* LARVE Experimental Design Workshop (NSF), 21-22 Apr

1995 *Steering Committee,* RIDGE Meeting, 20-22 Feb.

1994 *Convenor,* Dispersal and Gene Flow at Hydrothermal Vents Workshop (NSF)

1994 *Steering Committee,* RIDGE Meeting, 20-24 Feb.

1993 *Convenor,* RIDGE Theoretical Institute, 27 Aug. - 3 Sept.

1992 *Invited participant,* ONR Topographic Interactions Workshop, 13-14 Oct.

1992 *Co-Chair,* RIDGE Biology Workshop, 12 Oct.

1992 *Invited US Biology Delegate,* INTER-RIDGE Workshop, 11-13 Mar.

1991 *Invited speaker,* Am Soc Zoologists Symposium on Deep-Sea Reproduction, 28-30 Dec.

1991 *Invited participant,* ONR Topographic Interactions Workshop, 20-21 Nov.

1991 *Group Chair,* RIDGE Temporal Variability Workshop, 27 Aug. and 13-16 Nov.

**OTHER INVITED PRESENTATIONS:**

2017 UW Friday Harbor Labs Illg Distinguished Lecturer, Series of public and scientific talks, San Juan Island, June 24 - 29

2016 Life in the Ocean, MIT Lecture Series, Jan 25

2015 COP21, Paris France Dec 10

2015 PROMEX Lectures, Banyuls sur Mer France, Dec 7-8

2015 MIT/WHOI Geodynamics Seminar Series: Hydrothermal Systems, Mar 2

2014 University of Maine, Marine Science Seminar, Orono, ME, Apr 4

2013 Pint of Science talk, WHOI Biology Dept

2009 Deep-Sea Mining Workshop and Colloquium, Woods Hole, Apr. 1-3

2008 Coastal Ocean Symposium, Nov. 13

2007 InterRidge Theoretical Institute, Woods Hole, Sept 10-14

2007 ASLO annual meeting, Santa Fe, NM, (4-9 Feb.)

2004 BUMP seminar, 15 Sept.

2003 Visiting Scholar Lectures, Universite Pierre et Marie Curie, Paris (17-19 Jun)

2001 Plenary talk at LARVE Results Symposium, Utah, May 20-22

2001 Guest lecture in Marine Biological Laboratory Geochemistry course

2001 University of Charleston Graduate Colloquium, visiting scholar

2000 Guest lecture in Scripps Institution of Oceanography Deep-Sea Biology course

2000 Plenary talk at Workshop on Management of Hydrothermal Vent Ecosystems

2000 Office of Naval Research Symposium: Oceanography the Making of a Science; March 30-31, Woods Hole, MA

1999 Plenary talk at RIDGE2000 meeting, Newport OR

1999 MIT Environmental Brown Bag Seminar, Cambridge, MA

1998 Scripps Institution of Oceanography, La Jolla, CA

1995 Pennsylvania State University, PA

1995 International Conference on Invertebrate Reproduction, Santa Cruz, CA

1995 University of New Hampshire, Durham

1993 RIDGE Theoretical Institute Short Course, Big Sky, MO

1991 American Society of Zoologists, Atlanta, GA

1991 University of Massachusetts, Boston

1990 Scripps Institution of Oceanography, La Jolla, CA

1989 University of Connecticut, Avery Point

1989 College Faculty Workshop on Oceanography, Woods Hole, MA

1989 Northeastern University, Boston, MA

1989 State University of New York, Stony Brook

1988 Marine Biological Laboratory, Woods Hole, MA

1988 University of California, Santa Barbara

1987 University of Rhode Island, Narragansett

1987 Annual Naval Officer's Reserve meeting, Woods Hole, MA

**WHOI/MIT COMMITTEES:**

2022 - pres Faculty Advocate, MIT Teaching Development Fellows Network (Mentor for Arianna Quinn Krinos and Danielle Freeman)

2019 - pres Committee on Diversity, Equity & Inclusion: Undergrad Recruitment Working Group

2018 - pres Biology Mentor Committee for Kirstin Meyer-Kaiser

2017 - pres Biology Mentor Committee for Carolyn Tepolt

2011 - pres Science Manager, Shore Lab Bio-Physical Fluid Dynamics Facility

2013 - 2022 Biology Mentor Committee for Joel Llopiz

2022 Promotion Committee for Kirstin Meyer-Kaiser

2022 Promotion Committee for Maria Pachiadaki

2021 Biology Department DEI Hiring List Committee

2020 Biology Mentor Committee for H. Alexander, M. Pachiadaki, M. Shero, M. Brosnahan

2020 WHOI Diversity and Inclusion Council

2020 WHOI ROOT Committee (Covid Pandemic Reopening)

2018 - 2021 Biology Appliance Policy Working Group

2018 - 2020 WHOI Space Team

2011 - 2018 Marine Chemistry Mentoring Committee for Amanda Spivak

2015 - 2016 Facilities Planning Steering Committee

2015 - 2016 Chair JCBO

2015 Search Committee for WHOI HR Director

2015 Chair, ad-hoc promotion committee for Amanda Spivak

2015 Contributor to JCPO Comprehensive Exam

2014 - 2016 Summer Student Fellow Coordinator

2013 - 2016 JCBO member

2013 Linda Morse Porteous Award Committee

2013-2015 Biology Mentoring Committee for Neel Aluru

2012-2015 Biology Performance Evaluation Committee (Assistant and Assoc. Sci)

2012-2015 Biology Mentoring Committee for Julie Kellner

2011-2014 SciSEC

2011-2016 Biology hiring committee

2010-2011 Co-chair, JP Strategic Planning Committee

2010 Chair, advisory committee for selection of next Biology Department Chair

2010 Chair, JCBO Comprehensive Exam committee

2010 Contributor to JCPO Comprehensive Exam

2009 Search committee for Chief Development Officer

2008 MIT Faculty Environmental Network

2007 Communications Advisory Committee

2006 Promotion Committee for S. Sievert

2005-2006 Chair: Gender Equity at Sea ad hoc committee

2005 JCBO Exam Committee

2005 Promotion Committee for T. Shank

2005 Chair, MIT/WHOI Joint Program Gender Equity ad hoc Committee for Research Cruise and Field Program Activities

2004 Chair, Biology Aquarium Room ad hoc committee

2004 OLI proposal review committee

2003-2004 Mentoring Pilot Program

2003-2006 DEOI Advisory Board

2001-2003 Biological Oceanography Exam Committee

2001-2003 Biology Staffing Committee

1995-1998 Deep Submergence Advisory Committee

2002 Promotion Committee for K. Halanych

2001 Promotion Committee for M. Neubert

2001 Biology Dept. Exec. Search Committee

2001, 2003 Biological Oceanography Exam Committee Chair

2000 RCRC review panel

1997-2002 Joint Committee on Biological Oceanography

1997-2002 Admissions Committee

1997-1999 Women’s Committee

1996-2002 Education Council

1995-2000 Biology Curriculum Committee

1995 Review committee, Mellon Independent Study Awards

1995 Biology Visiting Scholar/Seminar speaker selection committee

1993 Benthic Ecology Search Committee (chair)

1992 WHOI Assembly

1991-1994 Summer Fellow selection committee

1990-1992 Staff Committee

1990 Selection committee for Jason Argonauts

1989-2002 Friends of Vents

1989 Review committee, Mellon Independent Study Awards

1988 Women's Staff Visiting Scholar Program

**WHOI EDUCATIONAL ACTIVITIES:**

Instructor for graduate courses in:

 JP Network (graduate onboarding course) 2022 - pres

 Biological Oceanography (*MIT 7.47*) 2021-2023, 2015-2017, 2009- 2011, 2001-2004, 1989-1994

 Communicating Ocean Sciences (*MIT 12.910*) 2024, 2021, 2019, 2017, 2014, 2012, 2010, 2008, 2006

 Marine Metapopulations (*MIT 7.431*) 2020

 Deep-Sea Patterns & Processes (*MIT 7.431*) 2013; 1996

 Larval Ecology (*MIT 7.433*) 2013, 1995

 Plankton Ecology in the Dynamic Ocean (*MIT 7.431*) 2011

 Marine Invertebrates of Cape Cod (*MIT 7.*431) 2005, 2002

 Benthic Organisms in Flow (*MIT 7.432*) 2000

 Biological Interactions in Benthic Communities (*MIT 7.432*) 1998

Postdoctoral Advisor:

 Dykman, Lauren (2022 - 2023)

 Michelle DiBenedetto (2019-2020; co-advised with Karl Helfrich)

 Austin Phillips (2017-2018; co-advised with Mike Neubert)

 Kirstin Meyer (2016 – 2018)

 Guangyu Xu (2015 – 2017; co-advised with Chris German and Dennis McGillicuddy)

 Ashley Lillis (2015-2016; co-advised with Aran Mooney)

 Shawn Arellano (2010 – 2012)

 Irene Garcia Berdeal (2006-2007; co-advised with Physical Oceanography)

 Nathalie Reyns (2005-2007; co-advised with Jesús Pineda)

 Stace Beaulieu (1998-2000; co-advised with John Trowbridge)

 Heather Hunt (1998-2000)

 Anna Metaxas (1997-1999)

 Scott France (1992-1993)

Graduate Advisor: (\* from minoritized groups)

 \*Michael Meneses (PhD exp. 2026)

 Lauren Dykman (PhD exp. 2022)

 Jeanette Wheeler (PhD 2016; co- Helfrich)

 Meredith White (PhD 2012)

 Skylar Bayer (MS 2011)

 Carly Strasser (PhD 2008)

\*Diane Poehls Adams (PhD 2007)

Rob Jennings (PhD 2005)

Heidi Fuchs (PhD 2005; co-advisor K. Helfrich)

Lara K. Gulmann (PhD 2004)

\*Gorka Sancho (PhD 1998)

Ewann A. Berntson (PhD 1998)

\*Stacy Kim (PhD 1997)

Undergraduate Research Advisor (\*minoritized; PEP = Partnership Education Program, SSF = Summer Student Fellow, GS=Guest Student, SAW = Semester at WHOI)

 \*Isis Kees (PEP 2023)

 \*Miles Jordan (SSF 2023)

 \*Parker Mooney (PEP 2022)

 \*Monét Murphy (PEP 2022)

 \*Ayinde Best (SSF 2021)

 \*Jailyn Dorsett (PEP 2020)

 \*Michael Meneses (SSF 2020)

 Camille Serra-DeVillenueve (SAW 2019)

 \*Matthew Whittaker (SSF 2019)

 \*DeYante Prince (PEP 2019)

 Bethany Fleming (GS 2018-2019)

 \*Brooke Torjman (SSF 2018)

 \*Deborah Leopo (PEP, 2018)

 \*Demarcus Turner (PEP 2018)

 Mary Toner (GS 2017; co-advised)

 Meghan Maciejewski (SSF 2017)

 Nicole Pittoors (GS 2017)

 Erin Houlihan (SSF 2016; GS 2017)

 Michael Tobin (2016)

 \*Carlton Metz (PEP 2015)

 \*Amber Emerson (SSF 2014)

 \*Mariah Dennis (PEP 2014)

 \*Jennifer Middleton (PEP 2013)

 Elaine Luo (SSF 2013)

 \*Andre Price (PEP, 2012)

 Rebecca Certner (GS 2011-2012)

 Brenna McGann (SSF 2011, co-advised)

 \*Jacob Kravens (PEP 2011)

 \*Nam Siu (PEP 2010)

 Anna Wargula (SSF 2010; co-advised)

 \*Adrienne George (PEP 2009)

 Gar Secrist (SSF 2009)

 Skylar Bayer (SSF 2007)

 Nika Staglicic (SSF 2006)

 \*Alexis Jackson (SSF 2005)

 Lynne Davies (GS 2004)

 Michael Workman (GS 2004)

 McKenzie Johnson (SSF 2004)

 \*Taki Michaelidis (GS 2003)

 Yuri Yamashita (GS 2002)

 \*Shawn Arellano (SSF 2001)

 \*Barbara Juncosa (GS 2001)

 Andrew Sweetman (GS 2000-2001)

 Nilauro Markus (SSF 2000)

 Anne Beaudreau (GS 2000)

 Kristin France (SSF 1999)

 Archie McLean (GS 1999-2000)

 Sheri Simmons (SSF 1998)

 Robert Dunn (SSF 1997)

 Erin Fisher (SSF 1996)

 Erica Goldman (SSF 1995)

 \*Shannon Smith (SSF 1994)

 Kelly Rankin (SSF 1993)

 Wendy Walker (SSF 1992)

 John Withey (SSF 1990)

High School Research Advisor: Charlie Goodyear (2010), Kim Johansson (2010), Stephanie Pommrehn (2004), Samantha Hutchinson (2003)

Thesis Committee Member, MIT/WHOI Joint Program: Alex Bergen (PhD 2017), Li Ling Hamady (PhD 2013), Christine Mingione (PhD 2010), Kelton McMahon (PhD 2010), Yale Passamaneck (PhD 2003), Michael Atkins (PhD 2000), Bonnie Ripley (PhD 1998), Cheri Recchia (PhD 1995)

Thesis Committee Member, other programs: Julien Marticorena (Université de Bretagne Occidentale PhD 2021), Eric Crandall (Boston University PhD 2007), Mirta Teichberg (Boston University PhD 2007), Ruth Carmichael (Boston University Marine Program, PhD 2004), Florence Pradillon (PhD 2002 Université Pierre et Marie Curie),

Thesis Proposal Defense or General Exam Chair: Junkun Ren (2023), Evie Fachon (2022), Ciara Willis (2021), Ben Jones (2014), Kristin Whalen (2005), Sheri Simmons (2003), Annette Frese (2000), John Tolli (2000), Masami Fujiwara (2000), Jim Ruzicka (2000), Mark Hill (1998), Robert Hamersley (1998), Rebecca Coverdale (1997), Brenda Jensen (1997)

Thesis Defense Chair: Hanny Rivera (2018), Kate Buckman (2009), Abigail Fusaro (2008), Kristen Whalen (2008), Petra Klepac (2007), Benjamin Walther (2007), Sheri Simmons (2006), Robert Hamersley (2001), Mark Hill (2000), Sue Bello (1999), Connie Hart (1998)

**OTHER EDUCATIONAL AND OUTREACH ACTIVITIES:**

Keynote Speaker for 2023 Massachusetts Marine Educators meeting. Woods Hole MA, May 6

Instructor for PROMEX: Deep-Sea Ecosystems and Extreme Environments, Université Pierre et Marie Curie, Banyuls sur Mer (2009, 2011, 2015)

Tour for NMFS Aquarium student interns (2002; 2003)

Visiting Professor, Université Pierre & Marie CURIE, Paris France, 2003

Korean TV interview on hydrothermal vents (March 2003)

Blue Planet radio interview (April 2002)

Earth and Sky radio interview (July 2002)

Mentor for ‘Mission 2005- Solving complex problems’ (MIT course 12.000); Fall 2002

Presentations at Massachusetts Marine Educators workshops (2001, 2002)

Featured scientist in NSF-sponsored web site ‘Remarkable Careers in Oceanography: Women Exploring the Oceans’ (www.womenoceanographers.org)

Science demonstrations at local schools through Woods Hole Science and Technology Education Partnership (1992-present)

Science presentations to journalists and writers for WHOI ‘Media Fellowship’ program (1999-pres)

Contribution of curriculum materials to books for grades 4-8 published by Harcourt: ‘Off to the Sea’ by D. Kovacs; ‘Down to a Sunless Sea’ by K. Madin and ‘Dive to the Deep Ocean’ by D. Kovacs.

Contribution of deep-sea specimens and advice to the ‘Extreme Deep: Mission to the Abyss’ museum exhibit, which tours museums nationally (1999-pres)

Coach for Science Projects, Lawrence School (Falmouth public middle school); 1999- present

Judge for Science Fairs, Falmouth Public Schools (1994-present) and Falmouth Academy (1999)

Volunteer in Public Schools (Mullen Hall School; 1998-present)

Boston Museum of Science "Science by Mail" Correspondent (1994-1996)

**PUBLICATIONS, REFEREED** (\*designates student or postdoc in Mullineaux lab)

2023 \*Dykman LN, Tepolt CK, Kuris AM, Solow AR, **Mullineaux LS**. 2023 Parasite diversity at isolated, disturbed hydrothermal vents. Proc. R. Soc. B 290: 20230877. https://doi.org/10.1098/rspb.2023.0877

2022 Gaill, F, Brodie Rudolph, T, and others including **Mullineaux, L**, 2022. An evolution towards scientific consensus for a sustainable ocean future. npj Ocean Sustainability 1:7 /doi.org/10.1038/s44183-022-00007-1

2022 \*Fleming, B., S.E. Beaulieu, S.W. Mills, O. Gaggiotti, **L.S. Mullineaux**. 2022. Ecological connectivity in Pacific deep-sea hydrothermal vent metacommunities. Mar Ecol Prog Ser, https://doi.org/10.3354/meps14182

2022 \*DiBenedetto, M., K.R. Helfrich, A Pires, E.J. Anderson, **L.S. Mullineaux**. Responding to the signal and the noise: behavior of planktonic larvae in turbulence. J Exp Biol 225 (3): 10.1242/jeb.243209

2021 Lebbe TB, Rey-Valette H, Chaumillon E, Camus G, Almar R, Cazenave A, Claudet J, Rocle N, Meur-Ferec C, Viard F, Mercier D, Dupuy C, Menard F, Rossel BA, **Mullineaux L**, Sicre MA, Zivian A, Gaill F, Euzen A. 2021. Designing coastal adaptation strategies to tackle sea level rise. Frontiers in Marine Science, 8, [10.3389/fmars.2021.740602](https://doi.org/10.3389/fmars.2021.740602)

2021 Carrier, T.J., S.E. Beaulieu, S.W. Mills, **L.S. Mullineaux**, A.M. Reitzel 2021. Larvae of deep-sea invertebrates harbor low-diversity bacterial communities. Biological Bulletin 241: 65-76. DOI: 10.1086/715669

2021 \*Dykman, L.N., S.E. Beaulieu, S.W Mills, A.R. Solow, **L.S. Mullineaux**. 2021.Functional traits provide new insight into recovery and succession at deep-sea hydrothermal vents. Ecology doi:10.1002/ecy.3418

2021 \*DiBenedetto, M., K.S. \*Meyer-Kaiser, B. \*Torjman, J.D. Wheeler, **L.S. Mullineaux**. 2021. Departures from isotropy: the kinematics of larval snail behavioral response to food. Journal of Experimental Biology 224: jeb239178 doi: 10.1242/jeb.239178

2020 **Mullineaux, L.S**, S. W. Mills, N. Le Bris, S.E. Beaulieu, S.M. Sievert, L.N. \*Dykman. 2020. Prolonged recovery time after eruptive disturbance of a deep-sea hydrothermal vent community. Proceedings Royal Society B 287:20202070. [doi: 10.1098/rspb.2020.2070](https://doi.org/10.1098/rspb.2020.2070)

2020 Claudet, J., L. Bopp, W.W.L. Cheung, R. Devillers, E. Escobar-Briones, P. Haugan, J.J. Heymans, V. Masson-Delmotte, Nele Matz-Luck, P. Miloslavich, **L. Mullineaux**, M. Visbeck, R. Watson, A. M. Xivian, I Ansorge, M. Araujo, S. Arico, D. Bailly, J. Barbiere, C Barnerias, C. Bowler, V. Brun, A. Cazenave, C. Diver, A. Euzen, A.T. Gave, N. Hilmi, F. Menard, C. Moulin, N.P. Munoz, R. Parmentier, A. Pebayle, H-O Portner, S. Osvaldina, P. Ricard, R.S. Santos, M-S. Sicre, S. Thiebault, T. Thiele, R. Trouble, A. Turra, J. Uki, F. Gaill. 2020. A Roadmap for Using the UN Decade of Ocean Science for Sustainable Development in Support of Science, Policy, and Action. One Earth 2: 34-42. DOI:[10.1016/j.oneear.2019.10.012](https://doi.org/10.1016/j.oneear.2019.10.012)

2020 Gollner, S., B. Govenar, P.M. Arbizu, **L.S. Mullineaux**, S.W. Mills, N. Le Bris, M. Weinbauer, T.M. Shank, M. Bright. 2020. Animal community dynamics at active and senescent vents at the 9°N East Pacific Rise after a volcanic eruption. Frontiers in Marine Science doi: [10.3389/fmars.2019.00832](https://doi.org/10.3389/fmars.2019.00832)

2019 \*Meyer-Kaiser, K.S., E. \*Houlihan, J. D. Wheeler, D. C. McCorkle, **L.S. Mullineaux** 2019. Behavioral response of eastern oyster *Crassostrea virginica* larvae to a chemical settlement cue is not impaired by low pH. Marine Ecology Progress Series 623:13-24, doi.org/10.3354/meps13014

2019 Chapman, S.A; S.E. Beaulieu; et al. including **L.S. Mullineaux**. 2019. sFDvent: a global trait database for deep-sea hydrothermal vent fauna. Global Ecology and Biogeography (GEB-2018-0294) doi.org/10.1111/geb.12975

2019 \*Maciejewski, M., \*Meyer, K.S., Wheeler, J.D., Anderson, E.J., \*Pittoors, N., **Mullineaux, L.S.** 2019. Helical swimming as an exploratory behavior in competent larvae of the eastern oyster (*Crassostrea virginica*). J Exp Mar Biol Ecol 510:86-94. doi: 10.1016/j.jembe.2018.10.007

2018 \*Xu, G., McGillicuddy, D.J., Mills, S.W., **Mullineaux, L.S**., 2018. Dispersal of Hydrothermal Vent Larvae at East Pacific Rise 9-10°N Segment. Journal of Geophysical Research – Oceans JGRC23170, DOI: 10.1029/2018JC014290

2018 \*Meyer K.S, Wheeler J.D., \*Houlihan E., **Mullineaux L.S.** 2018. Desperate planktotrophs: decreased settlement selectivity with age in competent eastern oyster (*Crassostrea virginica*) larvae. Marine Ecology Progress Series 599: 93-106. DOI 10.3354/meps12653

2018 **Mullineaux, L.S.**, A. Metaxas, S.E. Beaulieu, M. Bright, S. Gollner, B. Grupe, S. Herrera, J. Kellner, L. Levin, S. Mitarai, M. Neubert, A. Thurnherr, V. Tunnicliffe, H.K. Watanabe, Y-J Won, 2018. Exploring the ecology of deep-sea hydrothermal vents in a metacommunity framework. Frontiers in Marine Science 5:49. doi: 10.3389/fmars.2018.00049

2017 \*Wheeler, J.D., E.Y. \*Luo, K.R. Helfrich, E.J. Anderson, **L.S. Mullineaux** (2017). Light stimulates swimming behavior of larval eastern oysters (*Crassostrea virginica*) in turbulent flow. Mar Ecol Prog Ser 571: 109-120, doi:10.3354/ meps12106

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**PUBLICATIONS, DATA**

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