

LAUREN S. MULLINEAUX

Senior Scientist, Biology Department and Doherty Chair in Education
Woods Hole Oceanographic Institution

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

Assistant Scientist (1988-1992) and Associate Scientist (1992-2001, tenured 1996), WHOI Biology Dept.

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

AWARDS AND HONORS

AGU LANDInG Fellow, 2023 - present

Doherty Chair in Education, 2022-present

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

Antarctic Service Award, 1981

CRUISE EXPERIENCE

Chief or co-Chief Scientist on 15 expeditions with deep submergence vehicles (Alvin, Jason, Pisces)

Principal Investigator or participant in a total of 37 blue-water expeditions

EDUCATIONAL ACTIVITIES

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

Graduate Advisor for 14 MIT/WHOI Joint Program students

Postdoctoral Advisor for 13 WHOI Scholars and Investigators

Undergraduate Research Advisor for 58 students including 28 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

Leaders Team Chair and Project Manager 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

Chair, InterRidge Biology Committee (International), 1996-2000

NATIONAL AND INTERNATIONAL POSITIONS:

2025 - pres	Co-director ACES-Woods Hole postbaccalaureate program
2024 – pres	AGU LANDInG Academy cohort
2022 – pres	BRAID (Building Resilient Alliances for Innovation and Discovery) - Chair
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
2024 - 2025	7 th Int'l Symposium on Chemosynthesis-Based Ecosystems – Scientific Committee
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, 6 th 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:

2025	<i>Advisory Board member</i> , MIT Sea Grant proposal review panel, Cambridge MA, Mar 25
2024	<i>Invited presenter</i> : AGU Annual Meeting. December 9-15
2024	<i>Cohort Fellow</i> : AGU LANDInG Academy Summit, Washington DC, Dec. 9
2024	<i>Advisory Board member</i> , EPSCoR site visit and annual conference, Nov 6-9
2024	<i>Co-convenor</i> : BRAID Comms Workshop (virtual), October 15-16.
2024	<i>Invited participant</i> : Ocean Climate Platform mCDR workshop II, Paris (virtual) Sep 18
2024	<i>Cohort Fellow</i> : AGU LANDInG Academy Summit, Washington DC, Sept 19-20
2024	<i>Cohort Fellow</i> : AGU LANDInG Academy Summit, Washington DC, Apr 17-18
2024	<i>Invited participant</i> : Ocean Climate Platform mCDR workshop I, Paris (virtual) Mar 7
2024	<i>Advisory Board member</i> , MIT Sea Grant proposal review panel, Cambridge MA, Feb 23
2023	<i>Advisory Board member</i> , EPSCoR site visit and annual conference, Nov 15-18
2023	<i>Cohort Fellow</i> , AGU LANDInG Academy Summits, Washington DC, Dec 10-11
2023	<i>Cohort Fellow</i> , AGU LANDInG Academy Summit, Washington DC, Sept 14-15
2023	<i>Convenor/Organizer</i> : BRAID Workshop. 22-24 May.
2023	<i>Invited speaker</i> : Pacific Economic Cooperation Council International Seminar. June 13-14, Noumea, New Caledonia (hybrid)
2023	<i>Keynote speaker</i> : Massachusetts Marine Educators 47 th Annual Meeting, Woods Hole, 6 May
2022	<i>Invited participant</i> : Diverse Ocean science Community through Collaboration workshop (DOCC Ideas Lab) Monterey, CA, 2-4 Aug
2022	<i>Invited participant</i> : Monaco Ocean Week on Sustainable Future, Monaco, 23 Mar (virtual)
2021	<i>Recruitment Booth</i> : 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.
- 1989 *Invited participant*, ONR Topographic Interactions Workshop, 16-17 Nov.
- 1989 *Invited participant*, ONR Biosurfaces Workshop, 20-22 May
- 1988 *Invited participant*, ONR Topographic Interactions Workshop, 10-13 April
- 1988 *Invited participant*, ONR Topographic Interactions Workshop, 15-16 Nov.
- 1987 *Invited participant*, ONR Biosurfaces Workshop, 18-20 Nov.
- 1987 *Invited speaker*, NOAA Undersea Science Symposium, 21-23 Oct.

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:

2025 - pres Marine Operations Committee (Biology rep)
 2025 – pres APO Intern Cohort Coordinating Committee (Lead)
 2022 - pres Faculty Advocate, MIT TLL Fellows Network (JP rep. for Weiman, Krinos, Freeman)
 2020 – pres Biology Mentor Committee for Maria Pachiadaki
 2018 - pres Biology Mentor Committee for Kirstin Meyer-Kaiser
 2011 - pres Science Manager, Shore Lab Bio-Physical Fluid Dynamics Facility
 2017 - 2025 Biology Mentor Committee for Carolyn Tepolt
 2019 - 2025 Committee on Diversity, Equity & Inclusion: Undergrad Recruitment Working Group
 2024 Chair of WHOI search committee for new Biology Department Chair
 2013 - 2022 Biology Mentor Committee for Joel Llopiz
 2022 Promotion Committee for Kirstin Meyer-Kaiser
 2022 Promotion Committee for Maria Pachiadaki
 2018 - 2021 Biology Appliance Policy Working Group
 2021 Biology Department DEI Hiring List Committee
 2020 Biology Mentor Committee for H. Alexander, M. Shero, M. Brosnahan
 2020 WHOI Diversity and Inclusion Council
 2020 WHOI ROOT Committee (Covid Pandemic Reopening)
 2018 - 2020 WHOI Space Team
 2011 - 2018 Marine Chemistry Mentoring Committee for Amanda Spivak
 2015 - 2016 Facilities Planning Steering Committee
 2015 - 2016 Chair JCBO
 2014 - 2016 Summer Student Fellow Coordinator
 2013 - 2016 JCBO member
 2011 - 2016 Biology hiring committee
 2015 Search Committee for WHOI HR Director
 2015 Chair, ad-hoc promotion committee for Amanda Spivak
 2015 Contributor to JCPO Comprehensive Exam
 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
 2013 Linda Morse Porteous Award 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
2003-2006	DEOI Advisory Board
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
2001-2003	Biological Oceanography Exam Committee
2001-2003	Biology Staffing Committee
2001, 2003	Biological Oceanography Exam Committee Chair
2002	Promotion Committee for K. Halanych
1997-2002	Joint Committee on Biological Oceanography
1997-2002	Admissions Committee
1996-2002	Education Council
1989-2002	Friends of Vents
2001	Promotion Committee for M. Neubert
2001	Biology Dept. Exec. Search Committee
2000	RCRC review panel
1995-2000	Biology Curriculum Committee
1997-1999	Women's Committee
1995-1998	Deep Submergence Advisory Committee
1995	Review committee, Mellon Independent Study Awards
1995	Biology Visiting Scholar/Seminar speaker selection committee
1991-1994	Summer Fellow selection committee
1993	Benthic Ecology Search Committee (chair)
1992	WHOI Assembly
1990-1992	Staff Committee
1990	Selection committee for Jason Argonauts
1989	Review committee, Mellon Independent Study Awards
1988	Women's Staff Visiting Scholar Program

WHOI EDUCATIONAL ACTIVITIES:

Instructor for graduate courses in:

Communicating Ocean Sciences (*MIT 12.910*) biennial 2006 - 2026 (2026, 2024, 2021, 2019, 2017, 2014, 2012, 2010, 2008, 2006)

Ecology of Marine CO₂ removal (*MIT 7.431*) 2025

JP Network (graduate onboarding course) annual 2022 - 2024

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

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:

Johanna Weston (2025)
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 underrepresented groups)

*Rodrigo Zuniga Mouret (PhD exp 2030)
*Michael Meneses (MS 2025)
Lauren Dykman (PhD 2023)
Jeanette Wheeler (PhD 2016; co-advisor K. 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 (*under-represented; PEP = Partnership Education Program, SSF = Summer Student Fellow, GS=Guest Student, SAW = Semester at WHOI; 58 interns including 28 from underrepresented groups):

*Emmanuelle Bogomolni (APO GS 2025)	*Matthew Whittaker (SSF 2019)
*William Hamlin III (APO GS 2025)	*DeYante Prince (PEP 2019)
*Mikayla Harris (PEP 2024)	Bethany Fleming (GS 2018-2019)
*Isis Kees (PEP 2023)	*Brooke Torjman (SSF 2018)
*Miles Jordan (SSF 2023)	*Deborah Leopo (PEP, 2018)
*Parker Mooney (PEP 2022)	*Demarcus Turner (PEP 2018)
*Monét Murphy (PEP 2022)	Mary Toner (GS 2017; co-advised)
*Ayinde Best (SSF 2021)	Meghan Maciejewski (SSF 2017)
*Jailyn Dorsett (PEP 2020)	Nicole Pittoors (GS 2017)
*Michael Meneses (SSF 2020)	Erin Houlihan (SSF 2016; GS 2017)
Camille Serra-DeVilleneuve (SAW 2019)	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: Jeanne Bloomberg (2024), 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: Evie Fachon (2025), Kharis Schrage (2025), 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)

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

- 2025 *DiBenedetto M, Monthiller R, Eloy C, **Mullineaux L**. Plankton active response to turbulence indicates surfing strategy. *J Roy Soc Interface*, in press
- 2025 *Zúñiga Mouret R, Hourdez S, Curran M, DiBenedetto MH, Mills SW, Vetriani C, Arellano SM, Weston JNJ, *Dykman LN, *Best AC, Pires A, **Mullineaux LS**. Pressurized plankton observatory offers a new window into deep-sea larval behavior. *Limnol & Oceanogr Methods* <https://doi.org/10.1002/lom3.10708>
- 2025 Mullineaux LS, Beaulieu SE, Mills SW, Jones R, Weston JNJ, *Best AC, *Zúñiga Mouret R, *Meneses MJ, Tivey MK, *Harris MJ, Achberger AM, Sylvan JB. 2025. Unique gastropod community dominates fauna on inactive vent sulfide features in the eastern Pacific. *Deep-Sea Res* 291, <https://doi.org/10.1016/j.dsr.2025.104475>
- 2025 *Dykman LN, Tepolt CK, Blend CK, **Mullineaux LS**. 2025. The discovery of indirect parasite life cycles at deep-sea hydrothermal vents. *Featured Article* in *Mar Ecol Prog Ser*, 755: 1-14, <https://doi.org/10.3354/meps14789>
- 2024 *Meneses M., Beaulieu SE. *Best A, *Dykman LN, Mills SW, Wu J, **Mullineaux LS**. Vertical distributions of megafauna on inactive vent sulfide features correspond to their feeding modes. *Mar Env Sci* 200:106649, <https://doi.org/10.1016/j.marenvres.2024.106649>
- 2024 Ladd TM, Selci M, Davis DJ, Cannon O, Plowman CO, Inaba A, Mills SW, Vetriani C, **Mullineaux LS**, Arellano SM, 2024. Faunal colonists, including mussel settlers, respond to microbial biofilms at deep-sea hydrothermal vents. *Deep Sea Res I* <https://doi.org/10.1016/j.dsr.2024.104314>
- 2024 Chen C, Li Y, Sun J, Beaulieu SE, Mullineaux LS. 2024. Two new melanodrymiid snails from the East Pacific Rise indicate the potential role of inactive vents as evolutionary stepping-stones. *Systematics and Biodiversity* 22(1):2294014. doi.org/10.1080/14772000.2023.2294014
- 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, Lebleu L, Allemand D, Blasiak R, Cheung WWL, Claudet J, Gerhardinger LC, LeBris N, Levin L, Pörtner H-O, Visbeck M, Zivian, A, Bahurel P, Bopp L, Bowler C, Chlous F, Cury P, Gascuel D, Goyet S, Hilmi N, Ménard F, Micheli F, **Mullineaux L**, Parmentier R, Sicre M-A, Speich S, Thébaud O, Thiele T, Bowler M, Charvis P, Cuvelier R, Houllier F, Palazot S, Staub F, Poive d'Arvor O. 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
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ABSTRACTS and PRESENTATIONS (past 5 years)

*designates student, postbacc, or postdoc in Mullineaux lab)

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- 2024 **Mullineaux LS**, Ackerman SD, Block KA, Blumer B, Chigbu P, Chikarmane HH, George Mwangi C, Goldstone H, Johnson J, Kanagala V, Krohn C, Laney SR, Lewallen E, Liles G, Nevarez N, Martinez-Cola M, Scott Price O, Sharma I, Subhas A, Thieler ER, Yao C. 2024. BRAID: A Novel Alliance Approach to Broadening Participation in Geosciences. AGU Annual Meeting, Washington DC. Dec 9-13 (invited poster)
- 2024 DiBenedetto M, Helfrich K, **Mullineaux L**, Eloy, C, Monthiller R. 2024. Plankton active response to turbulence suggests surfing strategy. APS Division of Fluid Dynamics Annual Meeting. Salt Lake City Nov 24-26 (talk)
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- 2024 Blend C, *Dykman L, **Mullineaux L**, Tepolt C, Deidric D. 2024. Discovery of new helminth parasites at deep-sea hydrothermal vents along the EPR: elucidating life cycles and a few ‘far out’ thoughts. Southwestern Association of Parasitologists, 11-13 April 2024, Lake Texoma OK
- 2024 *DiBenedetto MH, Monthiller R, Eloy C, Helfrich K, **Mullineaux L**. 2024. Observations of planktonic gastropod larvae in turbulence indicate surfing behaviors. SICB, Seattle, 2-6 Jan
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- 2023 *Kees I, Mills S, *Meneses M, Murphy M, Titmuss D, **Mullineaux L**. 2023 Hydrothermal Vent Communities in Late-Stage Succession along the East Pacific Rise. SACNAS, Portland Oct 26-28
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- 2023 Mullineaux, L. 2023. Discovery of a unique ecosystem of inactive hydrothermal features in the deep Pacific. Pacific Economic Cooperation Council. The deep sea: the state of play in Asia-Pacific. 13-14 June, Noumea, New Caledonia (hybrid)
- 2023 Mullineaux, L. 2023. Extreme adaptations to an extreme habitat: exploring the biology of the deep. Massachusetts Marine Educators 47th annual meeting, Woods Hole, 6 May
- 2023 *Dykman, L.N., Tepolt, C., Kuris, A., **Mullineaux, L**. 2023. The discovery of complex parasite life cycles at deep-sea hydrothermal vents. Benthic Ecology Meeting, Miami, 26-29 April.
- 2023 *Meneses, M.J., Best, A.C., Dykman, L.N., Mills, S.W., Beaulieu, S.E., **Mullineaux, L.S.**. Analyses of functional feeding traits and taxonomic composition provide insight into megafaunal community structure at inactive hydrothermal vent features. Benthic Ecology Meeting, Miami, 26-29 April
- 2022 *Dykman, L.N., M.G. Neubert, **L.S. Mullineaux**. 2022. Optimal parasite strategies on disturbed islands connected by dispersal. Ecological Society of America, Montreal, 14-19 Aug. (Poster in person)
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- 2020 *Meneses MJ, *Dykman, L.N., Fornari, D.J., Sylvan, J.B., **Mullineaux, L.S.** Comparison of Deep-Sea Faunal Composition between Inactive and Active Hydrothermal Vents at the EPR 9°50'N Using High-Resolution Imagery. 2020 SACNAS - The National Diversity in STEM Conference. 19-24 Oct 2020 (virtual)
- 2020 *Dorsett J., *DiBenedetto, M, **Mullineaux, L.S.** Exploring the influence of helical swimming in turbulence on larval dispersal. National Technical Association 92nd Annual Conference, 21-25 Sept. 2020 (virtual).
- 2020 *Meneses MJ, **Mullineaux L.S.**, *Dykman L.N., Fornari D.J. Differences in Faunal Composition between Active and Inactive Hydrothermal Vents on the East Pacific Rise near 9°50'N. Western Society of Naturalists 101st Annual Meeting Nov. 5-10