

CINDY LEE VAN DOVER
March 2012

1 CONTACT INFORMATION

Division of Marine Science and Conservation
Duke University Marine Laboratory
135 Duke Marine Lab Road
Beaufort NC 28516
Tel: 252-504-7655 Fax: 252-504-7648 clv3@duke.edu

EDUCATION

1989 PhD Massachusetts Institute of Technology and Woods Hole Oceanographic Institution Joint Program in Biological Oceanography. Department of Biology, Woods Hole Oceanographic Institution. Dissertation Title: *Chemosynthetic Communities in the Deep Sea: Ecological Studies*. PhD. Advisor: J.F. Grassle
1985 MA University of California, Los Angeles; Ecology
1977 BS Cook College, Rutgers University; Environmental Science

ACADEMIC POSITIONS

2006- *Harvey W. Smith Professor*, Duke University; *Director*, Duke University Marine Laboratory; *Chair*, Division of Marine Science and Conservation; *Director*, Certificate in Marine Science and Conservation Leadership
2005-2006 *Associate Professor*, Biology Department, College of William & Mary
2002-2005 *Marjorie S. Curtis Associate Professor*, Biology Department, College of William & Mary
2005 *Instructor*, Oregon Institute of Marine Biology, University of Oregon
2004 *Fulbright Research Scholar*, IFREMER, Centre de Brest, France
1998-2002 *Assistant Professor*, Biology Department, College of William & Mary
1995-1998 *Science Director*, West Coast National Undersea Research Center and *Research Associate Professor*, Institute of Marine Science, University of Alaska, Fairbanks; *Visiting Investigator*, Dept. Geology & Geophysics, WHOI
1994-1995 *Mary Derrickson McCurdy Visiting Scholar*, Duke University School of the Environment, Duke Marine Lab., Beaufort, NC
1992-1994 *Visiting Investigator*, Department of Marine Chemistry and Geochemistry, WHOI
1989-1992 *Submersible Pilot*, ALVIN Group and *Post-Doctoral Investigator*, Biology Department, WHOI.

FIELD, SPECIALIZATIONS and INTERESTS

Ecology of chemosynthetic communities, biogeography, biodiversity, mid-ocean ridge processes, methane hydrates, deep-sea ecology, stable isotope techniques in food web analyses, deep-sea light, deep-sea technology, diseases in deep-sea mollusks, astrobiology, marine conservation, deep-sea mining and mitigation, population connectivity

HONORS, PRIZES, AND AWARDS

2011 WHOI Women's Committee Annual Lecture
2009 Mines Medal, South Dakota School of Mines
2009 Duke University Presidential Award in Executive Leadership
2008 Wings World Quest Fellow
2007 Thomas A. Langford Lecturer (Duke University)
2006 Virginia Outstanding Scientist
2004 Fulbright Research Scholar (IFREMER, France, Fall)
2004 George Hammell Cook Distinguished Alumni Award (Cook College)
2003 William & Mary Alumni Fellowship Award for Outstanding Teaching
2002 Fellow, American Association for the Advancement of Science (AAAS)
2000 AGU Rachel Carson Lecture
2000 White House Guest, "Exploration Under the Sea – Beyond the Stars" Millennium Matinee
2000 NSF CAREER Award
1993 Editor's Citation for Excellence in Refereeing (Reviews of Geophysics)
1989 Esquire Register

CINDY LEE VAN DOVER
March 2012

- 1988 Listed in MS Magazine "Women of the Year"
1984 NSF Graduate Fellowship

DISTINGUISHED LECTURER

- 2011 Voices of Discovery Lecturer, Elon University
2011 IBM Speaker, Wittenberg University
2009 Mines Medalist (University of South Dakota)
2007 Distinguished Speaker, Joint Celebration, Linnaean Soc (300 yr), Geological Soc (200 yr), London, 23
Apr
2006 Keynote Speaker, Biological and Biomedical Science - Harvard University Medical School, Fall Retreat
2006 FLAD (Portuguese-American Foundation) Lecture in Marine Science (Lisbon)
2006 Commencement Speaker, Cook College, Rutgers – The State University of New Jersey
2004 RIDGE 2000 Distinguished Lecturer (NSF)
2004 Distinguished Scientist Lecturer, Smithsonian Institution Senate of Scientists
2000 Rachel Carson Lecture, American Geophysical Union
2001 Capitol Science Lecture, Carnegie Institution
2001 Colloquium Series Lecture, NASA Langley
2001 Sigma Series Lecture, NASA Langley & Virginia Air & Space Ctr
2001 Laura Randall Schweppe Visiting Scholar, University of Texas
2001 Marine Biology Explorations Distinguished Lecturer, State University of New York, Stony Brook
2001 Charles and Marie Fish Lecture, University of Rhode Island
2000 Dean's Lecture, The College of William & Mary
2000 Keynote Address, Virginia Association of Science Teachers
1992 Marjory Stoneman Douglas Lecture, Wellesley College

COMMITTEES, REVIEWS, PANELS

- COSEE, National Advisory Council (2006-)
DUNCOC Advisory Committee (2009-2010)
Schmidt Research Vessel Institute/Marine Science and Technology Foundation Scientific Advisory Board (2009 -
)
NSF OOI Blue Ribbon Panels (2006, 2009)
NSF Informal Science Education Review Panel (2007, 2010)
Deep Submergence Science Committee (1997-2000)
Replacement HOV Oversight Committee (RHOC); founding member (2004) and Chair since 2006
NASA Astrobiology CAN5 Review Panel (Chair, 2008)
Duke-UNC Oceanographic Consortium (DUNCOC) Program Advisory Committee (2010 -)
National Association of Marine Laboratories (2006 -)
Consortium for Ocean Leadership (Founder Trustee 2007)
ChEss (Chemosynthetic Ecosystems, Census of Marine Life) founder and International Steering Committee
Member (2000-2010)
Strategic Planning Committee, Carteret County School District (Spring 2010)

UNIVERSITY-WIDE SERVICE (The College of William & Mary)

- 2003 Grievance Committee
2005 Faculty Assembly, incl Executive Committee (elected offices)

COURSES TAUGHT

- Duke University Marine Laboratory: Human-Coast Interactions in Brittany; Independent Study; Invertebrate
Zoology; Science and Nature Writing; Doctoral Student Seminar and Professional Development
College of William & Mary: Invertebrate Zoology, Marine Ecology; Biodiversity; Analysis of Community
Structure; plus graduate seminars on Biodiversity, Life in Extreme Environments, Ecology of Deep-Sea
Chemosynthetic Communities, Scientific Writing,
University of Oregon: Ecology of Hydrothermal Vents
NSF Chautauqua: 2.5-d course on the ecology of deep-sea chemosynthetic communities (2002, 2003)

CINDY LEE VAN DOVER

March 2012

University of Alaska Fairbanks: Marine Ecology

Duke University Marine Laboratory: Ecology of Hydrothermal Vents

UCLA (Graduate Teaching Assistant, Department of Biology): General Biology, Physiology, Field Marine Biology

GRANT RECORD

- 2011 Nautilus Minerals Bursary Study at the Duke University Marine Laboratory (Hosea Gomuna) (\$36,334)
- 2011 Oak Foundation: Leadership in Marine Science and Conservation at the Duke University Marine Laboratory. (\$599,844)
- 2011 Oak Foundation: Marine Science and Conservation Genetics Building (\$4.5M)
- 2010 NSF: *Collaborative Research: Connectivity in western Atlantic seep populations: Oceanographic and life-history processes underlying genetic structure* (\$855,670)
- 2010 International Seabed Authority: *Developing conservation strategies for seafloor massive sulfide (SMS) ecosystems* Traineeship for William Saleu. (\$41,456)
- 2010 NSF FSML: *Experiential classroom modernization for the Duke University Marine Laboratory* (\$236,567).
- 2008 Oak Foundation (with L Crowder and D. Rittschof) *Fellowships, Internships, and Research Support for students in marine science and conservation.* (\$870K)
- 2008 NASA (with J. Carlsson, T. Schultz) Oases for life and pre-biotic chemistry: Hydrothermal exploration using advanced underwater robotics. \$966,366.
- 2008 Nautilus Minerals (with J. Carlsson, T. Schultz) Genetic diversity, growth rates, and transplant response of selected invertebrate taxa, Manus Basin (\$230,836 plus \$1.5M in ship time)
- 2007 NC Biotechnology Center, Institutional Development Grant (Schultz, PI; \$250K)
- 2007 Duke University Provost's Undergraduate Initiative (\$691,611)
- 2007 NSF: *Collaborative Research in IPY: Abrupt Environmental Change in the Larsen Ice Shelf System, a Multidisciplinary Approach – Marine Ecosystems* (4 yrs; \$284,962)
- 2007 NSF: *Beyond The Edge of the Sea: Diversity of Life in the Ocean Wilderness* (1 yr; \$75,000)
- 2007 Nautilus Minerals Inc *Manus Basin: Characterization and Comparison of the Invertebrate Faunas* (\$56,161 + \$10,000 supplement)
- 2006 Nautilus Minerals, Inc “*Characterization of Manus Basin Chemosynthetic Faunas*” (\$28,285)
- 2006 NOAA-NURP “*Windows to the Deep II: Linking seismic structure to surface topography, biology, and geochemistry at the Blake Ridge Diapir and vicinity*” (\$40,000; recommended for funding in 2007)
- 2006 Nautilus Minerals “*Biology of Inactive Sulfides, Manus Basin*”
- 2005 Placer Dome Oceania “*Biology of inactive sulfides, Manus Basin*” Sub-Award I (\$15,650)
- 2005 Placer Dome Oceania “*Travel Award, International Symposium on Deep-Sea Hydrothermal Vents and Seeps*” (in support of graduate student travel)
- 2005 Placer Dome Oceania and Nautilus Minerals “*Literature Review: Biology of Chemosynthetic Ecosystems in Western Pacific Back-Arc Basins*” (1 year; \$25,000)
- 2004 NSF “*Biogeography and community structure in mussel beds at Pacific hydrothermal vents*” (3 years, \$193,372)
- 2003 NOAA-Ocean Exploration “*Windows to the Deep: Biological Sampling and High-Resolution Mapping at Methane Seeps on the Blake Ridge and Carolina Rise*” (with Carolyn Ruppel; 12 mos, \$20,175)
- 2001 NOAA/NURP “*Community structure in mussel beds of the Blake Ridge gas hydrate seeps*” (\$26,000; 12 mos)
- 2000 NOAA/NURP “*Comparative Biodiversity in Seep, Vent, and Intertidal Mussel Beds*” (\$9563; 12 mos)
- 2000 NASA Astrobiology “*Search for phototrophs at vents*” (\$7,618; 12 mos)
- 2000 NASA Exobiology “*Phototrophic organisms at hydrothermal vents*” (\$21,000; 24 mos)
- 2000 NSF/RIDGE “*Distribution of phototrophic organisms at hydrothermal vents*” (\$72,365; 36 mos)
- 2000 NSF “*CAREER: Comparative biodiversity and community ecology of chemosynthetic ecosystems*” (~\$250,000; 48 mos)
- 2000 NSF/RIDGE (with 8 other PIs) *Characterization of an Indian Ocean hydrothermal vent – CIR 24°S: Biogeography and ecology within a geological and geochemical context* (417,946; 12 mos)
- 1999 William & Mary Summer Research Grant “*Toward a search for photosynthetic organisms in the deep sea*” (\$5,000; 2 mos)

CINDY LEE VAN DOVER
March 2012

- 1998 NSF/RIDGE "*Species Composition and Biodiversity in Mussel Bed Communities of Deep-Sea Hydrothermal Vents*" (250,000; 36 mos)
- 1998 NASA/Astrobiology "*Search for phototrophs at deep-sea hydrothermal vents*" (\$2,000; 1 yr)
- 1996 NOAA/MAB, Research Award "*Monitoring of sewage-derived organic material in deep-sea food webs at Dump Site 106.*" (\$59,555; 1 yr)
- 1995 NOAA/WCNURC Research Award (with P.A. Tyler) "*Gametogenic ecology of a deep-sea hydrothermal vent community*"
- 1995 NSF/RIDGE (with D. Fornari) "*Lucky Strike hydrothermal vents*" (~\$37,000; 3 yr)
- 1994 NSF/RIDGE, Research Grant (with A. Chave) "*ALISS: Ambient light imaging and spectral system*" (\$93,895; 3 yrs)
- 1992 NOAA-NURC, Research Grant (with J.F. Grassle) "*Isotopic evidence for entry of sewage-derived organic material into a deep-sea benthic food web*" (\$15,000; 1 yr)
- 1992 NSF/RIDGE/NASA, Workshop "*Light in Thermal Environments (LITE) -- A workshop on light at deep-sea hydrothermal vents and its biological exploitation*" (~\$20,000; 1 yr)
- 1992 NSF (RIDGE), Research Grant (with G. Eglinton) "*Ecology of Mid-Atlantic Ridge hydrothermal vents: Food web analysis using multiple molecular and isotopic techniques*" (\$181,417; 3 yr)
- 1992 National Geographic, Research Grant "*Documentation of light and shrimp distributions at hydrothermal vents*" (~\$20,000; 1 yr)
- 1990 NSF (RIDGE), Research Grant (with L. Mullineaux) "*Dispersal and dynamics of planktonic organisms in hydrothermal vent plumes*"
- 1990 Vetlesen Award (WHOI), Research Grant "*Fine-scale distribution of invertebrate larvae at Guaymas Basin hydrothermal vents*"
- 1989 Sea Grant "New Initiatives" Award "*Utilization of sewage sludge by deep-sea invertebrates at Dump Site 106*"
- 1988 NSF, Research Grant (with J.F. Grassle) "*Comparative ecology of hydrothermal vent populations: Species composition, abundance and trophic relationships in soft sediments*"
- 1988 Gorda Ridge Task Force, Research Grant "*Contribution of chemosynthetically-derived carbon to the surrounding deep-sea benthic community*"

FIELD EXPERIENCE

- 2012 R/V Pelican. Gulf of Mexico Seeps
- 2012 R/V Okeanos Explorer. Blake Ridge Seeps
- 2012 R/V ATLANTIS w/JASON II. Barbados Seeps. Chief Scientist. Seep connectivity.
- 2012 R/V ATLANTIS w/JASON II. Cayman Rise Vents. Co-PI. Exploration and connectivity.
- 2011 R/V OCEANUS. Barbados Seeps. Chief Scientist, Seep connectivity.
- 2009 R/V CAPE HATTERAS. Cayman Rise. With *Nereus*
- 2006 ARSV LAURENCE M. GOULD. Antarctic Ocean. Guest scientist, with Hugh Ducklow
- 2005 R/V ATLANTIS w/ALVIN. Pacific Antarctic Ridge. PI, Mussel-Bed Biodiversity
- 2005 R/V MELLVILLE w/ JASON II. Lau and Fiji Back-Arc Basins. PI, Mussel-Bed Biodiversity
- 2003 R/V ATLANTIS w/ALVIN. Blake Ridge. Co-Chief Scientist, Exploration of chemosynthetic environments
- 2001 R/V ATLANTIS w/ALVIN. East Pacific Rise. PI, Mussel-Bed Biodiversity
- 2001 R/V ATLANTIS w/ALVIN. Blake Ridge. Chief Scientist, Mussel-Bed Biodiversity
- 2001 R/V ATLANTIS w/ALVIN. Mid-Atlantic Ridge. Chief Scientist, Mussel-Bed Biodiversity
- 2001 R/V KNORR w/ARGO/JASON. Central Indian Ridge. Chief Scientist, Hydrothermal Vent Exploration
- 2000 R/V ATLANTIS w/ALVIN. Florida Escarpment. PI, Mussel-Bed Biodiversity.
- 2000 R/V ATLANTIS w/ALVIN. Juan de Fuca Ridge. Chief Scientist, Search for Phototrophs.
- 1999 R/V ATLANTIS w/ALVIN. 9°N, EPR. PI, Mussel-Bed Biodiversity.
- 1999 R/V ATLANTIS w/ALVIN. Southern East Pacific Rise. PI, Mussel-Bed Biodiversity.
- 1998 R/V ATLANTIS w/ALVIN. Juan de Fuca Ridge. Ambient light with ALISS.
- 1997 R/V ATLANTIS w/ALVIN. 9°N, EPR. Ambient light with ALISS.
- 1996 R/V MELVILLE w/ ARGO. Southern East Pacific Rise
- 1996 R/V KNORR w/ ARGO/JASON. Lucky Strike, Mid-Atlantic Ridge.
- 1996 R/V ATLANTIS II. DWD-106.

CINDY LEE VAN DOVER
March 2012

- 1996 R/V ATLANTIS II. 9°N, East Pacific Rise. OPUS work.
1995 LANEY CHOUEST. Chief Scientist *Sea Cliff/ATV* ops at Juan de Fuca hydrothermal vents.
1995 R/V ATLANTIS II. TAG post-drilling dive series, Mid-Atlantic Ridge
1994 R/V KNORR. DEEP-TAG pre-drilling survey, Mid-Atlantic Ridge (ARGO-II)
1993 R/V ATLANTIS II. 9°N cruise (OPUS expts)
1993 R/V ATLANTIS II. Coaxial Event Response Cruise
1993 R/V ATLANTIS II. Chief Scientist - Joint US-French ops at Atlantic vents
1993 R/V ATLANTIS II. Chief Biologist - Lucky Strike vents, Mid-Atlantic Ridge
1992 R/V ATLANTIS II. Scientist/pilot -- DWD-106 off New Jersey
1991 R/V ATLANTIS II. Alvin Pilot -- various sites in eastern Pacific
1991 R/V ATLANTIS II. Co-Chief Scientist and Alvin Pilot
1990 R/V AKADEMIK MSTISLAV KELDYSH. MIR-2 submersible co-pilot and scientist; dives in Monterey Bay, off Baja California, and Guaymas Basin
1990 R/V ATLANTIS II. Alvin Pilot -- various sites in eastern Pacific
1989 R/V ATLANTIS II. Alvin Pilot-in-Training -- various deep-sea sites in the Atlantic Ocean and Gulf of Mexico
1988 R/V ATLANTIS II. Expedition to East Pacific Rise hydrothermal vents
1988 R/V ATLANTIS II. Expedition to Juan de Fuca Ridge hydrothermal vents
1988 R/V ATLANTIS II. Expedition to Juan de Fuca Ridge hydrothermal vents
1988 R/V ATLANTIS II. Expedition to Gorda Ridge hydrothermal vents
1988 R/V ATLANTIS II. Expedition to Guaymas Basin hydrothermal vents
1987 R/V KNORR. Expedition to Mohn's Ridge (Arctic Ocean) to survey ridge axis with ARGO and SeaMARC IB imaging systems
1986 R/V ATLANTIS II. Expedition to cold seeps of the Florida Escarpment
1985 R/V MELVILLE. ARGORISE EXPEDITION to survey East Pacific Rise from 10° to 12°N
1985 R/V ATLANTIS II. Expedition to vent sites at 21°N
1985 R/V ATLANTIS II. GALAPAGOS '85 EXPEDITION to Rose Garden on Galapagos Spreading Center; Alvin dive
1982 R/V MELVILLE. OASIS EXPEDITION to hydrothermal vents at 21°N, East Pacific Rise

WORKSHOPS, STEERING COMMITTEE MEETINGS etc.

- 2012 Deep-Sea Conservation Imperatives. ASLO Salt Lake City 20 February. Co-Convenor with Lisa Levin, Craig Smith, Jeff Ardron
2011 InterRidge Working Group: Southern Mid-Atlantic Ridge Targeted Exploration (SMART)
2011 FSML: Building and Field Stations and Marine Laboratories of the Future. Work Group Chair, Organismal and Population Biology
2011 Biological Diversity and Governance of Areas Beyond National Jurisdiction, University of Utrecht, Netherlands Institute for the Law of the Sea (8 July 2011); participation by invitation only
2010 Long-Range Exploration Workshop, InterRIDGE. Southampton UK (26-29 June 2010)
2010 Design of Marine Protected Areas for Hydrothermal-Vent and Cold-Seep Ecosystems Potentially Threatened by Human Activities in the Deep Sea (Dinard, France 31 May-4 June; Co Chair)
2009 Deep-Sea Mining Workshop (Woods Hole), invited speaker
2008 ChEss International Steering Committee Meeting, Galapagos, invited speaker
2007 National Research Council, Review Committee for the NASA Astrobiology Institute
2007 Anniversaries of the Linnaean Society and Geological Society of London; keynote speaker (London)
2007 Census of Marine Life Celebration of the 35th anniversary of the discovery of hydrothermal vents; Keynote speaker; Galapagos Islands
2007 TSM 07 Workshop, France. Prospective workshop for underwater technology for oceanography. Presentation on Manned Submersibles. 13/14 Dec La Londe-les-Maures, France
2007 4th Port Cros Symposium: on the theme of Climate Change and the Ocean. Porquerolles, France
2006 Deep-Sea Biology Symposium – Bar Code of Life and ChEss (Southampton)
2006 Lau ISS Results Workshop (Reno)
2006 RIDGE 2000 Theoretical Institute (Mammoth Lakes)
2006 CoML Barcode of Life Workshop (Amsterdam)

CINDY LEE VAN DOVER
March 2012

- 2006 ChEss Atlantic Equatorial Belt workshop, Barcelona
- 2005 3rd Port-Cros Symposium: on the theme of Deep-Sea Biodiversity. Porquerolles, France 5-7 Oct; invited speaker
- 2005 ChEss International Steering Committee Meeting, La Jolla, 10-11 Sep
- 2005 Working Group Chair Workshop, International Seabed Authority, UN, NYC, 16-17 June
- 2005 Roundtable Discussion: "Bioprospecting in the Deep Sea Bed", sponsored by the United Nations University; UN, NYC, 9 June
- 2005 Invited Panelist, Book Publishing Workshop, ASLO, Salt Lake City Feb
- 2004 International Seabed Authority (Establishment of environmental baselines at deep seafloor cobalt-rich crusts and deep seabed polymetallic sulphides mine sites in the Area, for the purpose of evaluating the likely effects of exploration and exploitation on the marine environment; Kingston, Jamaica; invited talk, session leader)
- 2004 RIDGE 2000-INTERRIDGE Joint Theoretical Institute (Interactions among Physical, Chemical, Biological, and Geological Processes in Backarc Spreading Systems; Jeju, Korea)
- 2003 RIDGE 2000 Community Workshop (Boulder CO)
- 2003 Census of Marine Life: Archiving Samples (Philadelphia PA)
- 2003 Biogeography and Biodiversity in Chemosynthetic Ecosystems (Southampton UK)
- 2002 Marine Biodiversity: Present, Past and Future (Panel Moderator; Scripps Center for Mar. Biodiver. Conserv.)
- 2002 RIDGE Education Workshop (Invited speaker) (Long Beach, CA)
- 2002 Methane Hydrate Interagency R&D Conference, Invited Speaker (Wash. DC)
- 2001 International Biodiversity Observation Year – Core Project Leaders Workshop (Laurel, MD)
- 2001 Census of Marine Life – Chemosynthetic Ecosystems (Convener; Woods Hole, Sloan Foundation; March)
- 2000 RIDGE: Exploratory Workshop (Nashville, TN)
- 2000 Concept of Operations, NR-2 (US Navy; D.C.)
- 1999 Europa Biology Workshop (NASA)
- 1998 Arctic Ridges, Hannover Germany (InterRIDGE)
- 1998 Hydrothermal Vent Workshop (NASA - Ames)
- 1998 NEPTUNE Working Group, U. Washington (NSF sponsor)
- 1998 Arctic and Antarctic Access to Undersea Research (NURP/NASA/USCG sponsors)
- 1997 Benthic Census, Rutgers University (Sloan Foundation)
- 1997 Gordon Research Conference, New Hampshire, Origin of Life (Invited Speaker)
- 1997 RIDGE Subsurface Biosphere (Washington DC)
- 1996 Gordon Research Conference, Ventura CA Origin of Life
- 1996 NCEAS Workshop on Deep-Sea Biodiversity, Santa Barbara
- 1996 WCNURC/UAF Marine Mammal and Undersea Research Workshop, Chena Hot Springs
- 1996 WCNURC Monterey Bay Initiative (Co-Convener), Moss Landing
- 1996 WCNURC Gulf of Alaska Initiative (Co-convener), Anchorage
- 1995 InterRIDGE Quantification of Fluxes at the Mid-Ocean Ridge
- 1995 InterRIDGE Event Response and Seafloor Observatories
- 1994 Diversity of Vent Ecosystems, BRIDGE (Plymouth, England). Co-convener
- 1994 RIDGE Event Detection & Response/Temporal Variability Workshop
- 1994 InterRIDGE Indian Ocean Workshop
- 1994 InterRIDGE Arctic Ridges: Results and Planning
- 1993 Pingree Park Food Web Conference
- 1993 RIDGE Theoretical Institute, Big Sky, Montana
- 1993 InterRIDGE Global Meeting. Sponsored by RIDGE, InterRIDGE
- 1993 TAG Drilling Monitoring Studies. Sponsored by RIDGE
- 1993 LITE Workshop. Co-convener; sponsored by NSF/NASA/RIDGE
- 1992 Biology Workshop. Sponsored by RIDGE
- 1992 FARA Workshop. Sponsored by RIDGE
- 1992 Deep Submergence Science Workshop. Sponsored by ONR, NOAA, NSF

CINDY LEE VAN DOVER
March 2012

- 1992 Research Priorities for New York Bight National Undersea Research Center. Sponsored by Institute of Marine and Coastal Studies at Rutgers University and the Maine Sciences Research Center at SUNY/Stony Brook
- 1991 RIDGE Observing Temporal Variability Workshop. Sponsored by NSF
- 1989 RIDGE Crustal Accretion Variables Workshop. Sponsored by NSF
- 1988 RIDGE Seagoing Experiments Workshop. Sponsored by NSF
- 1988 RIDGE Mapping and Sampling Workshop. Sponsored by NSF
- 1987 The Mid-Ocean Ridge: A Global Ecosystem. Gleneden Beach, OR. Sponsored by the NAS

PROFESSIONAL SERVICE ACTIVITIES AND AFFILIATIONS

Ocean Sciences Meeting 2012 (Salt Lake City, Utah Feb. 20-24). Session 071: Deep-sea Conservation Imperatives in the 21st Century. Co-Organizer (with Lisa Levin, Jeff Ardron, Craig Smith)

Convenor, Dinard Workshop, 29 May-5 June, 2010

Organizing Committee: Deep-Sea Mining Workshop (Woods Hole 2009)

InterRidge Working Group Member, Ocean Exploration

InterRidge Working Group Member, Seafloor Massive Sulfides

NSF RIDGE2000 Steering Committee Member (2009-)

WHOI-MIT Joint Program in Oceanography PhD Program External Review Committee (2009)

NSF Blue Ribbon Review Ocean Observatories Initiative: Proposed Adjustment to the OOI Network Design (2009)

COSEE National Advisory Council (2008 -)

Program Committee, AGU Chapman Conference "Detachments in oceanic lithosphere: deformation, magmatism, fluid flow, and ecosystems (2008 -)

University of Delaware Marine Science PhD Program External Review Committee (2008)

University of Maryland Marine Estuarine and Environmental Science PhD Program, External Review Committee Member (2007)

Chair, NASA National Astrobiological Institute CAN Cycle 5 NRA Panel Review (July 2008)

The National Academies, NASA Astrobiology Institute Review Committee (NAICOM; 2007)

NSF Informal Science Education Review Panel Member (2007)

NSF Blue Ribbon Review Panel: Ocean Observatories Initiative Scientific Objectives and Network Design ('06)

American Association for the Advancement of Science; Electorate Nominating Committee member (2004-2007)

Member of the Corporation, Marine Biological Laboratory

Marine Ecology Progress Series Review Staff (2002 - 2006)

Chair, Replacement Human-Occupied Vehicle Oversight Committee (RHOC) (2005 -)

UNOLS (University National Oceanographic Laboratory System) Council, member (2004-2006)

ChEss (Census of Marine Life) Founder and International Steering Committee Member

Founding Member and Trustee, Consortium for Ocean Leadership (2007)

American Geophysical Union, member

The Oceanography Society, member

AAAS, Fellow and member

INVITED TALKS

AAAS (2001, 2002 x 2)

American Museum of Natural History (NYC)

Arizona State University (Chemistry)

Arizona State University (Geology and Zoology)

Bryn Mawr (Geology and Biology)

Case Western Reserve University

Coast Guard Academy (March 2003)

College of William & Mary

Cornell University (2001, 2005)

DOE National Science Bowl (May 2003)

Dennison University

Duke University (Durham x2)

Palmer Station, Antarctica

Penn State University (x2)

Rollins University

Roscoff Marine Biological Station (Roscoff, France)

Royal Geological Society London

Scripps Institution of Oceanography

Sea Education Semester (Woods Hole)

Sea-Space Symposium

Smithsonian Institution NMNH)

Southampton College, Long Island University

South Dakota School of Mines

State University of New York, Stony Brook

Syracuse University

CINDY LEE VAN DOVER
March 2012

Duke University Marine Laboratory (x2)	Texas A&M (x2)
Elon University	Towson University
Geological Society of London	Underwater Intervention Society
Gordon Research Conference	University of Alaska Fairbanks (Geology)
Hampton Roads Air & Space Museum	University of Alaska Fairbanks (Inst. Marine Sci.)
Harvard University	University of Alaska Fairbanks (Biology)
Hypoxia Symposium, Lake Louise	University of Alaska Southeast
Ifremer, Centre de Brest, France (x2)	University of British Columbia
International Women's Forum (Panelist, "The Age of Discovery")	University of California, Los Angeles
Linnaean Society	University of Florida
Louisiana State University	University of Georgia
Luso-American Foundation (Lisbon)	University of Guelph (Canada)
Marine Biological Laboratory	University of Leeds (UK)
Marquette University	US Naval Museum
Massachusetts Institute of Technology	US Naval Observatory
Massachusetts Maritime Academy (Panelist)	University of North Carolina, Wilmington (x2)
Michigan State University	University of North Carolina, Chapel Hill
Moss Landing Marine Laboratory	University of North Carolina, Instit. Marine Science
Museum of the North (Ontario)	University of North Colorado
NASA Ames	University of Rhode Island
NASA Goddard	University of Richmond
National Science Foundation	University of Victoria
New England Society for Electron Microscopy	University of Virginia
NOAA Vents Group, Newport OR	University of Wisconsin, Madison
Ocean Science Institute	Washington Philosophical Society
Ohio State University	Woods Hole Oceanographic Institution (x2)
Old Dominion University	Virginia Institute of Marine Science (x2)
Oregon Institute of Marine Biology	<i>et cetera</i>
Oregon State University (x2)	

REFEREED PUBLICATIONS

Submitted

Nye V, Copley J, Plouviez S, Van Dover CL (Submitted) A new species of *Lebbeus* (Crustacea: Decapoda: Caridea: Hippolytidae) from the Von Damm Vent Field, Caribbean Sea. *Journal of the Marine Biological Association of the United Kingdom*.

Van Dover CL, Arnaud-Haond, Clark MR, Smith S, Thaler A, Van den Hove S Application of biological studies to deep-sea governance and management of deep-sea resources. In: *Biological Sampling in the Deep Sea*, Clark M and Consalvey M, eds Wiley-Blackwell.

German C, Tyler P, McIntyre C, Amon D, Cheadle M, Clarke J, John B, McDermott J, Bennett S, Huber J, Kinsey J, Seewald J, Van Dover C, Elliott K (submitted) 2011 Exploration of the Mid-Cayman Rise. *Oceanography*

PUBLISHED

Van Dover, CL (2012) Hydrothermal vent conservation. *Oceanography*.

Collins P, Kennedy R, Van Dover CL (2012) A biological survey method applied to Seafloor Massive Sulphides (SMS) with contagiously distributed hydrothermal-vent fauna. *Marine Ecology Progress Series* 452: 89-107. doi: 10.3354/meps09646

Thaler A, Zelnio K, Schultz T, Cunningham C, Vrijenhoek R, Van Dover CL (2011) Historical and contemporary patterns of gene flow among populations of hydrothermal vent endemic species from a southwestern Pacific basin. *BMC Evolutionary Biology* 11:372

German CR, Ramirez-Llodra E, Baker MC, Tyler PA, and the ChEss Scientific Steering Committee (2011) Deep-Water Chemosynthetic Ecosystem Research during the Census of Marine Life Decade and Beyond: A

CINDY LEE VAN DOVER

March 2012

- Proposed Deep-Ocean Road Map. PLoS ONE 6(8): e23259. doi:10.1371/journal.pone.0023259
- Connelly DP, Copley JT, Murton BJ, Stansfield K, Tyler PA, German CR, Van Dover CL, Amon D, Furlong M, Grindlay N, Hayman N, Huhnerbach V, Judge M, Le Bas T, McPhail S, Meier A, Nakamura K, Nye V, Pebody M, Pedersen R, Plouviez S, Sands C, Searle R, Stevenson P, Taws S, Wilcox S. (In Press) Hydrothermal vents and chemosynthetic biota on the world's deepest seafloor spreading centre. *Nature Communications*.
- Ramirez-Llodra E, Tyler PA, Baker M, Bergstad OA, Clark MR, Escobar E, Levin L, Rowden A, Smith CR, Van Dover CL. (2011) Man and the last great wilderness: Human impact on the deep sea. PLoS ONE. <http://dx.plos.org/10.1371/journal.pone.0022588>
- Van Dover CL, Smith CR, Ardron J, Dunn D, Gjerde K, Levin L, Smith S and the Dinard Workshop Contributors (2011) Designating networks of chemosynthetic ecosystem reserves in the deep sea Marine Policy, <http://dx.doi.org/10.1016/j.marpol.2011.07.002>
- Thaler AD, Van Dover CL, R Vilgalys (2011) Ascomycete phylotypes from a Gulf of Mexico methane seep are identical to an uncultured deep sea fungal clade from the Pacific. *Fungal Ecology*.
- Van Dover CL (2011) Tighten regulations on deep-sea mining. *Nature* 470: 31-33.
- Godet L, Zelnio KA, Van Dover CL (2011) Scientists as stakeholders in conservation of hydrothermal vents. *Conservation Biology* DOI: 10.1111/j.1523-1739.2010.01642.x
- Baker MC, Ramirez-Llodra E, Tyler PA, German CR, Boetius A, Cordes E, Dubilier N, Fisher C, Levin L, Metaxas A, Rowden A, Santos RS, Shank T, Van Dover CL, Young C, Warén A (2010) Biogeography, ecology and vulnerability of chemosynthetic ecosystems in the deep sea. In McIntyre A, ed. *Census of Marine Life*. Wiley Blackwell.
- German CR, Bowen A, Coleman ML, D.P. Connelly DP, D. Honig D, J.A. Huber JA, M. Jakuba M, J. Kinsey J, Kurz MD, McDermott J, de Lepinay M, Nakamura K, Seewald JS, Smith JL, Sylva S, Van Dover CL, Whitcomb L, Yoerger DR (2010) Diverse styles of seafloor venting along the ultra-slow spreading Mid-Cayman Rise. *Proceedings of the National Academy of Sciences* 107: 14020-14025. See also Editors Picks, *Science Magazine* http://www.sciencemag.org/content/vol329/issue5992/twil.dtl?sa_campaign=Email/toc/3295992twil.
- Schultz, TF, Hsing PY, Eng A, Zelnio K, Thaler AD, Carlsson J, Van Dover CL (2010) Characterization of 18 polymorphic microsatellite loci from the deep-sea hydrothermal vent mussel *Bathymodiolus manusensis* (Mollusca, Bivalvia, Mytilidae). *Conservation Genetic Resources* 3: 25-27. DOI: 10.1007/s12686-010-9272-8
- Zelnio KA, Thaler AD, Jones RE, Saleu W, Schultz TF, Van Dover CL, Carlsson J (2010) Characterization of nine polymorphic microsatellite loci in *Chorocaris* sp. (Crustacea, Caridea, Alvinocarididae) from deep-sea hydrothermal vents. *Conservation Genetics Resources* 2: 222-226; doi: 10.1007/s12686-010-9243-0.
- Van Dover CL (2010) Mining Seafloor Massive Sulfides and biodiversity: What is at risk? *ICES Journal of Marine Science* 68:341-348. doi:10.1093/icesjms/fsq086
- Thaler AD, Zelnio K, Jones R, Carlsson J, Van Dover CL, Schultz TF (2010) Characterization of 12 polymorphic microsatellite loci in *Ifremeria nautilei*, a chemoautotrophic gastropod from deep-sea hydrothermal vents. *Conservation Genetics Resources* 2: 101-103; DOI 10.1007/s12686-010-9174-9
- Erickson, KL, Macko SA, Van Dover CL (2009) Evidence for a chemoautotrophically based food web at inactive hydrothermal vents (Manus Basin). *Deep-Sea Research II*. 56: 1577-1585.
- Reed, AJ, Dorn R, Van Dover CL, Lutz RA, Vetrani C (2009) Phylogenetic diversity of methanogenic, sulfate-reducing and methanotrophic prokaryotes from deep-sea hydrothermal vents and cold seeps. *Deep-Sea Research II* 56: 1665-1674.
- Rathgeber C, Lince MT, Alric J, Lang, AS, Humphrey E, Blankenship RE, Vermeglio A, Plumley FG, Van Dover CL, Beatty JT, Yurkov (2008) Vertical distribution and characterization of aerobic phototrophic bacteria at the Juan de Fuca Ridge in the Pacific Ocean. *Photosynthesis Research* 81:113-128.
- Rittschof D, Bonaventura C, Wilker JJ, Van Dover CL (2008) Oxidative Iron Species and Ocean Challenges: A Perspective. *Biofouling* 24:173-175.
- Vrijenhoek RC, Collins P, Van Dover CL 2008. Bone-eating worms: Habitat specialists or generalists? *Proceedings of the Royal Society B* 275:1963-1964
- Logan C, Evans MB, Ward ME, Scott JL, Carnegie RB, Van Dover CL (2008) Comparative ultrastructure of digestive diverticulae in bathymodiolin mussels: Discovery of an unknown spherical inclusion (SIX) in digestive cells of a seep mussel. *J Shellfish Research* 27:97-105.

CINDY LEE VAN DOVER

March 2012

- Copley JTP, Flint HC, Ferrero TJ, Van Dover CL (2007) Diversity of meiofauna and free-living nematodes in hydrothermal vent mussel beds on the Northern and Southern East Pacific Rise. *Journal of the Marine Biological Association of the United Kingdom* 87:1141-1152.
- Hornbach MJ, Ruppel C, Van Dover CL Three-dimensional structure of fluid conduits sustaining an active deep marine cold seep. *Geophysical Research Letters* 34: L05601 2006GL028859 (5 pp)
- Heyl TP, Gilhooly WP, Chambers RM, Gilchrist GW, Macko SA, Ruppel CD, Van Dover CL (2007) Characteristics of vesicomyid clams and their environment at the Blake Ridge cold seep. *Marine Ecology Progress Series* 339:169-184.
- Van Dover CL, Ward ME, Scott JL, Underdown J, Anderson B, Gustafson C, Whalen M, Carnegie RB (2007) A fungal epizootic in mussels at a deep-sea hydrothermal vent. *Marine Ecology* 28:54-62.
- Flint HC, Copley JTP, Ferrero TJ, Van Dover CL (2006) Patterns of nematode diversity at hydrothermal vents on the East Pacific Rise. *Cahiers de Biologie Marine* 47:365-370.
- Sheader M, Van Dover CL (2007) Temporal and spatial variation in the reproductive ecology of the vent-endemic amphipod *Ventiella sulfuris* in the eastern Pacific. *Marine Ecology Progress Series* 331:181-194.
- Van Dover CL (2007) Stable isotope studies in chemoautotrophically based ecosystems: An update. In: Lajtha, K. and Michener, R. (eds). *Stable Isotopes in Ecology*. Blackwell.
- Gollner S, Zekely J, Van Dover CL, Govenar B, Le Bris, N, Nemeschkal HL, Bright M (2006) Benthic copepod communities associated with tubeworm and mussel aggregations on the East Pacific Rise. *Cahiers Biologie Marine* 47:397-402.
- Zekely J, Van Dover CL, Nemeschkal HL, Bright M (2006) Hydrothermal vent meiobenthos associated with mussel (*Bathymodiolus* spp.) aggregations from the Mid-Atlantic Ridge and the East Pacific Rise. *Deep-Sea Research I* 53:1363-1378.
- Hornbach MJ, Ruppel C, Saffer DM, Van Dover CL, Fulton PM, Holbrook WS (2005) Coupled Geophysical Constraints on Heat Flow and Fluid Flux at a Salt Diapir. *Geophysical Research Letters* 32:L24617.
- Van Dover CL, Doerries MB (2005) Community structure in mussel beds at Logatchev hydrothermal vents and a comparison of macrofaunal species richness on slow- and fast-spreading mid-ocean ridges. *PSZN Marine Ecology* 26:110-120.
- Dreyer JC, Knick KE, Flickinger WB, Van Dover CL (2005) Development of macrofaunal community structure in mussel beds on the northern East Pacific Rise. *Marine Ecology Progress Series* 302:121-134.
- Mills AE, Ward ME, Heyl TP, Van Dover CL (2005) Parasitism as a potential contributor to massive clam mortality at the Blake Ridge Diapir methane-hydrate seep. *J. Mar. Biol. Assoc. U.K.* 85:1489-1497.
- Blake EA, Van Dover CL (2005) The reproductive biology of *Amathys lutzii*, an ampharetid polychaete from hydrothermal vents on the Mid-Atlantic Ridge. *Invertebrate Biology* 124:254-264.
- Beatty JT, Overmann J, Lince MT, Manske AK, Lang AS, Blankenship RE, Van Dover CL, Martinson TA, Plumley, GF (2005) An obligately photosynthetic bacterial anaerobe from a deep-sea hydrothermal vent. *Proceedings of the National Academy of Science* 102: 9306-9310.
- Komai T, Shank TM, Van Dover CL (2005) A new species of the genus *Alvinocaris* (Crustacea: Decapoda: Caridea: Alvinocarididae) associated with methane seeps on the Blake Ridge Diapir, Northwestern Atlantic. *Zootaxa*1019:27-42.
- Salerno JL, Macko SA, Hallam SJ, Bright M, Won Y-J, McKiness Z, Van Dover CL (2005) Symbiont acquisition and nutrition in early life-history stages of mussels from chemosynthetic environments. *Biological Bulletin* 208:145-155.
- Terlizzi CM, Ward ME, Van Dover CL (2004) Observations on parasitism in deep-sea hydrothermal vent and seep limpets. *Diseases of Aquatic Organisms* 62:17-26.
- Ward ME, Shields JD, Van Dover CL (2004) Parasitism in species of *Bathymodiolus* (Bivalvia: Mytilidae) mussels from deep-sea seep and hydrothermal vents. *Diseases of Aquatic Organisms* 62:1-16.
- Van Dover CL, Lutz RA (2004) Experimental ecology at deep-sea hydrothermal vents: A perspective. *Journal of Experimental Marine Biology and Ecology* 300:273-307.
- Goffredi SK, Warén A, Orphan VJ, Van Dover CL, Vrijenhoek RC (2004) Novel forms of structural integration between microbes. *Appl. Env. Microbiol.* 70: 3082-3090.
- Turnipseed M, Jenkins CD, Van Dover CL (2004) Community structure in Florida Escarpment seep and Snake Pit (Mid-Atlantic Ridge) vent mussel beds. *Marine Biology* 145:121-132.
- Dreyer J, Miura T, Van Dover CL (2004) *Vesicomyicola trifurcata*, a new genus and species of commensal polychaete (Nautiliiniellidae) found in deep-sea clams from the Blake Ridge cold seep. *Proceedings of the*

CINDY LEE VAN DOVER
March 2012

- Biological Society of Washington 117:106-113.
- Raulfs EC, Macko SA, Van Dover CL (2004) Tissue and symbiont condition of mussels (*Bathymodiolus thermophilus*) exposed to varying levels of hydrothermal activity. *Journal of the Marine Biological Association of the United Kingdom* 84:1-7.
- Sheader M, Van Dover CL, Thurston MH (2004) Reproductive ecology of *Bouvierella curtirama* (Amphipoda:Eusiridae) from chemically distinct vents in the Lucky Strike vent field, Mid-Atlantic Ridge. *Marine Biology* 144:503-514.
- Tyler PA, German CR, Ramirez-Llodra E, Van Dover CL (2003) Understanding the biogeography of chemosynthetic ecosystems. *Oceanologica Acta* 25:227-241.
- Waren A, Bengtson S, Goffredi SK, Van Dover CL (2003) A hot-vent gastropod with iron-sulphide dermal sclerites. *Science* 302:1007.
- Turnipseed M, Knick KE, Dreyer J, Lipcius R, Van Dover CL (2003) Diversity in mussel-beds at deep-sea hydrothermal vents and cold seeps. *Ecology Letters* 6:518-523.
- Ward ME, Jenkins CD, Van Dover CL (2003) Functional morphology and feeding strategy of the hydrothermal-vent polychaete *Archinome rosacea* (Amphinomidae). *Canadian Journal of Zoology* 81:582-590.
- Doerries MB, Van Dover CL (2003) Higher-taxon richness as a surrogate for species richness in vent and seep chemosynthetic communities. *Deep-Sea Research I* 50:749-755.
- Copley JT, Tyler PA, Van Dover CL, Philp SJ (2003) Spatial variation in the reproductive development of *Paralvinella palmiformis* (Polychaeta: Alvinellidae) from the High Rise vent field (Endeavour Segment, Juan de Fuca Ridge): relation to a successional mosaic model. *Marine Ecology Progress Series* 255:171-181.
- Van Dover CL (2003) Variation in community structure within hydrothermal vent mussel beds of the East Pacific Rise. *Marine Ecology Progress Series* 253:55-56.
- Van Dover CL, Aharon P, Bernhard JM, Caylor E, Doerries M, Flickinger W, Gilhooly W, Goffredi SK, Knick K, Macko SA, Rapoport S, Raulfs EC, Ruppel C, Salerno J, Seitz RD, Sen Gupta BK, Shank T, Turnipseed M, Vrijenhoek R (2003) Blake Ridge methane seeps: characterization of a soft-sediment, chemosynthetically based ecosystem. *Deep-Sea Research I* 50:281-300.
- White SN, Chave AD, Reynolds GT, Van Dover CL (2002) Ambient light emission from hydrothermal vents on the Mid-Atlantic Ridge. *Geophysical Research Letters* 29 10.1029/2002GL014977.
- Van Dover CL (2002) Trophic relationships among invertebrates at the Kairei hydrothermal vent field (Central Indian Ridge). *Marine Biology* 141: 761-772 + electronic supplement.
- Jenkins CD, Ward M, Turnipseed M, Osterberg J, Van Dover CL (2002) The digestive system of the hydrothermal vent polychaete *Galapagomystides aristata* (Phyllodocidae): Evidence for hematophagy? *Invertebrate Biology* 121:243-254.
- Van Dover CL (2002) Community structure of mussel beds at deep-sea hydrothermal vents. *Marine Ecology Progress Series* 230:137-158.
- Van Dover CL, German CR, Speer KG, Parson LM, Vrijenhoek RC (2002) Evolution and biogeography of deep-sea vent and seep invertebrates. *Science* 295:1253-1257.
- Pond DW, Allen C, Bell MV, Van Dover CL, Fallick AE, Dixon DR, Sargent JR (2002) Origins of long-chain, polyunsaturated fatty acids in the hydrothermal vent worms, *Ridgeia piscesae* and *Protis hydrothermica*. *Marine Ecology Progress Series* 225:219-226.
- Van Dover CL, Humphris SE, Fornari D, Cavanaugh CM, Collier R, Goffredi SK, Hashimoto J, Lilley MD, Reysenbach AL, Shank TM, Von Damm KL, Banta A, Gallant RM, Goëtz D, Green D, Hall J, Harmer TL, Hurtado LA, Johnson P, McKiness ZP, Meredith C, Olson E, Pan IL, Turnipseed M, Won Y, Young CR III, Vrijenhoek RC (2001) Biogeography and ecological setting of Indian Ocean hydrothermal vents. *Science* 294:818-823.
- Van Dover CL, Jenkins CD, Turnipseed M (2001) Corraling of larvae in the deep sea. *J. Mar. Biol. Assoc. UK* 81:823-826
- Kolber Z, Plumley FG, Lang AS, Beatty JT, Blankenship RE, Van Dover CL, Vetriani C, Koblizek M, Rathgeber C, Falkowski PG (2001) Contribution of aerobic photoheterotrophic bacteria to the carbon cycle in the ocean. *Science* 292:2492-2495.
- Allen CE, Tyler PA, Van Dover CL (2001) Lipid composition of the hydrothermal vent clam *Calyptogena pacifica* (Mollusca: Bivalvia) as a trophic indicator. *Journal of the Marine Biological Association of the UK* 81:817-821.

CINDY LEE VAN DOVER
March 2012

- Van Dover CL, Trask J (2001) Biodiversity in mussel beds at a deep-sea hydrothermal vent and a shallow-water intertidal site. *Marine Ecology Progress Series* 195:169-178.
- Kolber ZS, Van Dover CL, Niederman RA, Falkowski PG (2000) Bacterial photosynthesis in the surface waters of the open ocean. *Nature* 407:177-179.
- Shearer M, Van Dover CL, Shank TM (2000) Structure and function of *Halice hesmonectes* (Amphipoda: Pardaliscidae) swarms from hydrothermal vents in the eastern Pacific. *Marine Biology* 136:901-911
- White SN, Chave AD, Reynolds GT, Gaidos E, Tyson JA, Van Dover CL (2000) Variations in ambient light emission from black smokers and flange pools on the Juan de Fuca Ridge. *Geophysical Research Letters* 27:1151-1154.
- Copley J, Tyler PA, Van Dover CL, Schulz A, Sulanowska M, Singh S, Dickson P (1999) Subannual temporal variation in faunal distributions at the TAG hydrothermal mound (26 degree N, Mid-Atlantic Ridge) P.S.Z.N. *Marine Ecology* 20:291-306.
- Van Dover CL, Trask J, Gross J, Knowlton A (1999) Reproductive biology of free-living and commensal polynoid polychaetes at the Lucky Strike hydrothermal vent field (Mid-Atlantic Ridge). *Marine Ecology Progress Series* 181:201-214.
- Rieley G, Van Dover CL, Hedrick DB, Eglinton G (1999) Trophic ecology of *Rimicaris exoculata*: A combined lipid abundance/stable isotope approach. *Marine Biology* 133:495-499.
- Trask J, Van Dover CL (1999) Site-specific and ontogenetic variations in nutrition of mussels (*Bathymodiulus* sp.) from the Lucky Strike hydrothermal vent field, Mid-Atlantic Ridge. *Limnology and Oceanography* 44:334-343.
- Rittschof D, Forward RB Jr, Cannon G, Welch JM, McClary M, Holm ER, Clare AS, Conova S, McKelvey LM, Bryan P, Van Dover CL (1998) Cues and Context: Larval responses to physical and chemical cues. *Biofouling* 12:31-44.
- Polz MF, Robinson JJ, Cavanaugh CM, Van Dover CL (1998) Trophic ecology of massive shrimp aggregations at a Mid-Atlantic Ridge hydrothermal vent site. *Limnology and Oceanography* 47:1631-1638.
- Bachmayer R, Humphris S, Fornari D, Van Dover CL, Howland J, Bowen A, Elder R, Crook T, Gleason D, Sellers W, Lerner S (1998) Oceanographic Research using remotely operated underwater robotic vehicles: exploration of hydrothermal vent sites on the Mid-Atlantic Ridge at 37°N, 32°W. *Marine Technology Society Journal* 32:37-
- Rieley G, Van Dover CL, Eglinton G (1997) Lipid biomarkers as sensitive tracers of sewage uptake by deep-ocean benthos. *Environ. Sci. Tech.* 31:1018-1023.
- Langmuir C, Humphris S, Fornari D, Van Dover CL, Von Damm K, Tivey M, Colodner D, Charlou J-L, Fouquet Y, Klinkhammer G, Bougault H, Desonie D, and the Lucky Strike Team (1997) Description and significance of hydrothermal vents near a mantle hot spot: The Lucky Strike Vent Field at 37°N on the Mid-Atlantic Ridge. *Earth and Planetary Science Letters* 148:69-91.
- Copley J, Tyler PA, Murton BJ, Van Dover CL (1997) Spatial and interannual variation in the faunal distribution at Broken Spur vent field (29°N, Mid-Atlantic Ridge). *Marine Biology* 129:723-733.
- Van Dover CL, Desbruyeres D, Segonzac M, Comtet T, Saldanha L, Fiala-Medioni A, Langmuir C (1996) Biology of the Lucky Strike hydrothermal field. *Deep-Sea Research* 43:1509-1529.
- Van Dover CL, Reynolds GT, Chave AD, Tyson JA (1996) Light at deep-sea hydrothermal vents. *Geophysical Research Letters* 23:2049-2052.
- Kleinrock MC, Humphris SE, Shaw P, Bowen A, Crook T, Davis C, Elder R, Gleason D, Goff J, Goldstein L, Handley W, Howland J, Hussenoeder S, Koga K, Lerner S, Nakamura K, Rashid M, Reiser Wetzell L., Sellers W, Sulanowska M, Van Dover CL, Whitcomb L (1996) Detailed structure and morphology of the TAG active hydrothermal mound and its geotectonic environment. *Proceedings of the Ocean Drilling Program, Initial Reports* 158:15-21.
- Renninger, GH, Kass L, Gleason RA, Van Dover CL, Battelle B-A, Jinks RN, Herzog E, Chamberlain SC (1995) Chemosensory responses to sulfides in antennae of shrimp inhabiting hydrothermal vent sites on the Mid-Atlantic Ridge. *Biological Bulletin* 189:69-76.
- Duckworth R.C., Knott R., Fallick A.E., Rickard D., Murton B.J., Van Dover C.L.. 1995. Mineralogy and sulphur isotope geochemistry of the Broken Spur sulphides, 29°N, Mid-Atlantic Ridge. *Journal of the Geological Society of London Special Publication* 87:175-189.

CINDY LEE VAN DOVER
March 2012

- Murton BJ, Van Dover CL, Southward E (1995) The geological and setting and ecology of the Broken Spur hydrothermal vent field: 29°10'N on the Mid-Atlantic Ridge. *Journal of the Geological Society of London Special Publication* 87:33-41.
- Rieley G, Hedrick D, Van Dover CL, White DC, Eglinton G (1995) Lipid compositions of hydrothermal vent organisms from 9°N, East Pacific Rise. *Journal of the Geological Society of London Special Publication* 87:329-342.
- Van Dover CL (1995) Ecology of Mid-Atlantic Ridge Hydrothermal Vents. *J. Geol. Soc. London Spec. Publ.* 87:257-294.
- Nisbet EG, Cann JR, Van Dover CL (1995) Did photosynthesis begin from thermotaxis? *Nature* 373:479-480.
- Conway N, Kennicutt MC, Van Dover CL (1994) Stable isotopes, microbial symbioses and microbial physiology. Chapter in: *Stable Isotopes in Ecology* (Lajtha K, Michener R, eds.); Blackwell Scientific Publications, pp. 158-188.
- Van Dover CL (1994) *In situ* spawning of hydrothermal vent tubeworms (*Riftia pachyptila*). *Biological Bulletin* 186:134-135.
- Van Dover CL, Fry B (1994) Microorganisms as food resources at deep-sea hydrothermal vents. *Limnology and Oceanography* 39(1):51-57.
- Kaartvedt S, Van Dover CL, Mullineaux LS, Wiebe PH, Bollens SM (1994) Amphipods on a deep-sea hydrothermal treadmill. *Deep-Sea Research* 41:179-195.
- Van Dover CL, Cann JR, Cavanaugh C, Chamberlain S, Delaney JR, Janecky D, Imhoff J, Tyson JA and the LITE Workshop Participants. (1994) Light at deep-sea hydrothermal vents. *EOS* 75:44-45.
- Rieley G, Van Dover CL, Eglinton G, Fry B (1993) Assigning sources of lipids of hydrothermal fauna using compound specific $\delta^{13}\text{C}$ analyses. In: *Organic Chemistry* (ed K Øygard), pp. 705-709. Falch Hurtigtrykk, Oslo.
- Martin JW, SC France, CL Van Dover (1993) *Halice hesmonectes*, a new species of pardaliscid amphipod (Crustacea, Peracarida) from hydrothermal vents in the eastern Pacific. *Canadian Journal of Zoology*.
- Van Dover CL, Fry B, Grassle JF, Garritt RH, Starczak V (1992) Stable isotopic evidence for entry of sewage-derived organic material into a deep-sea food web. *Nature* 360:153-156.
- Van Dover CL, Kaartvedt S, Bollens S, Wiebe P, Martin JW, France SC (1992) Deep-sea benthopelagic amphipod swarms. *Nature* 358:25-26.
- Van Dover CL, Williams AB (1991) Egg size in squat lobsters (Galatheaidea): Constraint and freedom. In: *Crustacean Issues* (A Wenner, ed), Balkema Press, pp. 143-156.
- Van Dover, C.L. (1990) Biogeography of Deep-Sea Hydrothermal Vent Fauna. *Trends in Research in Ecology and Evolution* 5:242-246.
- Van Dover CL, Grassle F, Boudrias M (1990) Biota of Gorda Ridge hydrothermal vent communities. In: *Gorda Ridge, A frontier in the United States' Exclusive Economic Zone*, McMurray GR, ed, Springer-Verlag, NY, pp. 285-287.
- Van Dover CL, Hessler RR (1990) Spatial variation in faunal composition of hydrothermal vent communities on the East Pacific Rise and Galapagos Rift. In: *Gorda Ridge: A frontier in the United States' Exclusive Economic Zone*, McMurray GR, ed, Springer-Verlag, NY, pp. 253-264.
- Bronnimann P, Van Dover CL, Whittaker JE (1989) *Abyssotherma pacifica* n.gen., n. sp., a Recent remaneicid (Foraminiforida: Remaneicacea) from the East Pacific Rise. *Micropaleontology* 35(2):142-149.
- Van Dover CL, Fry B (1989) Stable isotopic compositions of hydrothermal vent organisms. *Marine Biology* 102:257-263.
- Van Dover CL, Szuts E, Chamberlain S, Cann J (1989) A novel eye in 'eyeless' shrimp from hydrothermal vents on the Mid-Atlantic Ridge. *Nature, London* 337:458-460.
- Van Dover CL, Berg CJ, Turner RD (1988) Recruitment of marine invertebrates to hard substrates at deep-sea hydrothermal vents on the East Pacific Rise and Galapagos Spreading Center. *Deep-Sea Research* 35:1833-1849.
- Wiebe PH, Copley N, Van Dover CL, Tamse A, Manrique F (1988) Deep-water zooplankton of the Guaymas Basin hydrothermal vent field. *Deep-Sea Research* 35:985-1014.
- Van Dover CL, Fry B, Grassle JF, Humphris S, Rona PA (1988) Feeding biology of the Mid-Atlantic Ridge hydrothermal vent shrimp: functional morphology, gut content analyses, and stable isotopic compositions. *Marine Biology* 98:209-216.

CINDY LEE VAN DOVER
March 2012

- Berg CJ, Van Dover CL (1987) Benthopelagic macrozooplankton communities at and near deep-sea hydrothermal vents in the eastern Pacific Ocean and the Gulf of California. *Deep-Sea Research* 34:379-401.
- Van Dover CL, Franks PJS, Ballard RD (1987) Prediction of hydrothermal vent locations from distributions of brachyuran crabs. *Limnology and Oceanography* 32:1006-1010.
- Van Dover CL, Lichtwardt RW (1986) A new trichomycete commensal with a galatheid squat lobster from deep-sea hydrothermal vents. *Biological Bulletin* 171:461-468.
- Van Dover CL (1986) A comparison of stable isotope ratios ($^{18}\text{O}/^{16}\text{O}$ and $^{13}\text{C}/^{12}\text{C}$) between two species of hydrothermal vent decapods (*Alvinocaris lusca* and *Munidopsis subsquamosa*). *Marine Ecology Progress Series* 31:295-299.
- Van Dover CL, Factor JR, Williams AB, Berg CJ Jr (1985) Reproductive strategies of hydrothermal vent decapod crustaceans. *Biological Society of Washington Bulletin No. 6*:223-227.
- Fritz LW, Lutz RA, Foote MA, Van Dover CL, Ewart JW (1984) Selective feeding and grazing rates of oyster (*Crassostrea virginica*) larvae on natural phytoplankton assemblages. *Estuaries* 7(4B):513-518.
- Van Dover CL, Williams AB, Factor JR (1984) The first zoeal stage of a hydrothermal vent crab (Brachyura: Bythograeidae). *Proceedings of the Biological Society of Washington* 97(2):413-418.
- Williams AB, Van Dover CL (1983) A new species of *Munidopsis* from submarine hydrothermal vents of the East Pacific Rise at 21°N (Anomura: Galatheididae). *Proceedings of the Biological Society of Washington* 96(3):481-488.
- Van Dover CL (1982) Reduction of maxillary endites in larval Anomura and Brachyura. *Crustaceana* 43(2):211-215.
- Lounibos LP, Van Dover CL, O'Meara G (1982) Fecundity, autogeny, and the larval environment of the pitcher-plant mosquito *Wyeomyia smithii*. *Oecologia* 55:160-164.
- Van Dover CL, Factor JR, Gore RH (1982) Developmental patterns of larval scaphognathites: an aid to the classification of anomuran and brachyuran Crustacea. *Journal of Crustacean Biology* 2(1):48-53.
- Gore RH, Van Dover CL, Wilson KA (1981) Studies on decapod Crustacea from the Indian River region of Florida. XX. *Micropanope barbadensis* (Rathbun, 1921): The complete larval development under laboratory conditions (Brachyura: Xanthidae). *Journal of Crustacean Biology* 1(1):28-50.
- Gore RH, Van Dover CL, Factor JR (1981) Studies on decapod Crustacea from the Indian River region of Florida. XVIII. Rediscovery of *Periclimenes (Periclimenes) pandionis* Holthuis, 1951 (Caridea, Palaemonidae) with notes on males and zoeal stages. *Crustaceana* 40(3):253-265.
- Gore RH, Van Dover CL (1980) Studies on decapod Crustacea from the Indian River region of Florida. XIX. Larval development in the laboratory of *Lepidopa richmondi* Benedict, 1903 with notes on larvae of American species in the genus (Anomura: Albuneidae). *Proceedings of the Biological Society of Washington* 93:1016-1034.

POLICY BRIEFS and OTHER REPORTS

Pendleton L, Crowder, L, Dunn D, Fiesler C, Gopnik M, Latanich C, Orbach M, Roady S, Turnipseed M, Van Dover C. (2010) Marine protection in the Gulf of Mexico: Current policy, future options, and ecosystem outcomes. Policy Brief, Nicholas Institute for Environmental Policy Solutions. Prepared for the US Oil Spill Commission. NI PB 10-04.

Van Dover CL, Smith CR, Ardron J, Arnaud S, Beaudoin Y, Bezaury J, Boland G, Billett D, Carr M, Cherkashov G, Cook A, DeLeo F, Dunn D, Fisher CR, Godet L, Gjerde K, Halpin P, Levin L, Lodge M, Menot L, Miller K, Milton D, Naudts L, Nugent C, Pendleton L, Plouviez S, Rowden A, Santos R, Shank T, Smith S, Tao C, Tawake A, Thurnherr A, Treude T (2011) Environmental Management of Deep-Sea Chemosynthetic Ecosystems: Justification of and Considerations for a Spatially Based Approach. International Seabed Authority, Jamaica, 90 pp (<http://www.isa.org.jm/files/documents/EN/Pubs/TS9/index.html#/30/>).

EXTENDED ABSTRACTS AND OTHER

- Kaiser C, Pinner W, Kinsey J, Yoerger D, German C, Van Dover CL (2012) Satellite-based remote management and operation of a 6000m AUV. *Oceans*.
- Tivey MA, Barriga F, Cherkashov G, Fouquet Y, Hannington M, Kim J, Levin L, Mills R, Raju KAK, Shi X, Thorseth I, Van Dover CL (2011) InterRidge and international scientific research activities into seafloor mineralization at hydrothermal vent systems. IEEE/MTS Oceans conference (Hawaii).

CINDY LEE VAN DOVER
March 2012

- Snelgrove, PVR, Petrecca R, Stocks KI, Van Dover CL, Zimmer CA (2009) A mosaic of diverse ideas: The ecological legacy of J. Frederick Grassle. *Deep-Sea Research Part II* 56:1571-1576.
- Biscoito M, Segonzac M, Almeida AJ, Desbruyères D, Geistdoerfer P, Turnipseed M, Van Dover CL (2002) Fishes from the hydrothermal vents and cold seeps – An update. *Cah. Biol. Mar.* 43:359-362.
- WonY, Maas PAY, Van Dover CL, Vrijenhoek RC (2002) Habitat reversals in vent and seep mussels: *Bathymodiolus heckeriae* has vent ancestors. *Cah. Biol. Mar.* 43: n.p.

COMMENTARY

- Van Dover CL (1999) Deep-sea clams feel the heat. *Nature (News and Views)* 397:205-206.
- Van Dover CL (1998) Vents at higher frequency. *Nature (News and Views)* 395:437-438.

CORRESPONDENCE

- Van Dover CL (2001) To boldly go where no plant life has yet been found. *Nature* 413:16.
- Nisbet EG, Cann JR, Van Dover CL (1995) Origins of photosynthesis. *Nature* 373 26-27

ENCYCLOPEDIA CONTRIBUTIONS

- Van Dover CL (2001) Ridges: Ecology of hydrothermal vents. In: Steele, Turekian, Thorpe (eds) *Encyclopedia of Ocean Sciences*. Academic Press
- Van Dover CL (2000) Deep-sea hydrothermal vent ecosystems. In: Levin S (ed) *Encyclopedia of Biodiversity*. Academic Press

TECHNICAL BOOKS

- Van Dover CL (2000) *The Ecology of Deep Sea Hydrothermal Vents*. Princeton University Press.

NEWSLETTER CONTRIBUTIONS

- Van Dover CL, Bacon S, Carpenter L, Last K (2001) Diversity within 9°50'N Mussel Beds on the East Pacific Rise: Establishment of Train Station, East Wall, and Biovent Mussel Beds as Long-Term Study Sites. *InterRidge News* 10:26-27.
- Van Dover CL, Popels L, Boyle E (1999) Mussel Beach, South: Fauna associated with mussel beds on the Southern East Pacific Rise. *RIDGE Events*.
- Sinton J, Bergman E, Batiza R, Rubin K, Gregg T, Grönvold K, White S, Macdonald K, Van Dover C, Cormier M-H, Ryan W, Aigner-Torres M, Popels L, Boyle E, Shah A, Jin W (1999) Volcanological investigations at superfast spreading: Results from R/V Atlantis Cruise 3-31. *RIDGE Events*
- Van Dover CL, Polz MA, Cavanaugh C, Robinson J, Hickey JP, Kadko D (1997) Predatory anemone field at the TAG deep-sea hydrothermal vents. *BRIDGE News* 12:33-34.
- Van Dover CL, Trask J, Schurmeier J (1997) Biological diversity at deep-sea hydrothermal vents: Preliminary results from the LUSTRE (LUcky STRike Exploration) '96 Cruise. *InterRidge News* 6:9-12.
- Copley J, Allen C, Tyler P, Van Dover CL (1996) The High Rise Expedition. *BRIDGE News* 10:55-57.
- White SN, Bailey JW, Van Dover CL, Chave AD (1996) Measurements of Light at hydrothermal vents. *RIDGE Events* 7:10-12.
- Fornari DJ, Van Dover CL, Shank T, Lutz RA, Olson M (1994) A versatile, low-cost temperature sensing device for time-series measurements at deep-sea hydrothermal vents. *BRIDGE News* 6:40-47.
- Murton B, Van Dover CL (1993) Alvin dives on the Broken Spur hydrothermal vent field at 29°10'N on the Mid-Atlantic Ridge. *BRIDGE News* 5:11-14.
- Van Dover CL (1993) Light in Thermal Environments (LITE): Report of a workshop held in Woods Hole, MA. *RIDGE Events* 4:20-22.

OPEN FILE REPORT

- Schwab WC, Holcomb RT, Van Dover CL (1988) Preliminary presentation and interpretation of ARGO/SeaMARC 1B reconnaissance investigation of Mohn's Ridge, Norwegian Sea. U.S. Department of the Interior, Geological Survey, Open File Report 88-23, 21 pp.

ABSTRACTS

CINDY LEE VAN DOVER
March 2012

- Norstead BA, Sullivan-Fowler M, Jacobsen K, Van Dover CL (2012) Beyond the Edge of the Sea: Using art to excite people about astrobiology. AbSciCon, Atlanta GA April 2012.
- Van Dover CL, Boudreau D, Kemm N, Kovacs K, Vidra R. Restoration science in the deep sea: a call for a roadmap toward realistic goals and expectations. ASLO Ocean Sciences Salt Lake City Feb.
- Levin L, Van Dover CL, Ardron J, Smith CR (2012) Deep-sea conservation imperatives in the 21st century. ASLO Ocean Sciences Salt Lake City 2012.
- Jacobsen A, Thaler A, Plouviez S, Schultz T, Van Dover CL (2012) Population genetics of deep-sea limpets from hydrothermal vents in the southwestern Pacific. ASLO Ocean Sciences Salt Lake City 2012.
- Tivey MA, F. Barriga, G. Cherkashov, Y. Fouquet, M. Hannington, J. Kim, L. Levin, R. Mills, K. Raju, X. Shi, I. Thorseth, and C. Van Dover (2011) InterRidge and international scientific research activities into seafloor mineralization at hydrothermal vent systems. Oceans'11 MTS/IEEE conference.
- Van Dover CL, Godet L, Dunn D, Halpin P, Zelnio K (2011) Hydrothermal vents: Understanding what's at risk and tools for effective management. ASLO Puerto Rico.
- Van Dover CL, Smith CR, Godet L, and Dinard Workshop Participants (2011) Chemosynthetic Ecosystems: Understanding What's at Risk and Tools for Effective Management. Marine Protected Areas on the High Seas Symposium (invited) Zoological Society of London.
- Turnipseed, M, Van Dover, C.L. (2010) Chemosynthetic Ecosystems on the Blake Ridge. Association of Southeastern Biologists; from a Workshop to Discuss establishing the Heezen National Monument, NC Central University School of Law, Raleigh 15 October.
- German C.R., A. Bowen, M.L.Coleman, D.L.Honig, J.A.Huber, M.V.Jakuba, J.C.Kinsey, M.D.Kurz, S.Leroy, J.M.McDermott, B.Mercier de Lépinay, K.Nakamura, J.S.Seewald, J.L.Smith, S.P.Sylva, C.L.Van Dover, L.L.Whitcomb & D.R.Yoerger (2010). Diverse styles of submarine venting on the ultra-slow spreading Mid-Cayman Rise. AGU Fall Meeting (San Francisco CA, December 2010).
- German C.R., A.Bowen, M.L.Coleman, D.P.Connelly, D.Honig, J.Huber, M.Jakuba, J.C.Kinsey, M.D.Kurz, J.McDermott, K.Nakamura, C.M.Sands, J.S.Seewald, J.Smith, S.Sylva, C.L.Van Dover, L.Whitcomb & D.R.Yoerger (2010). Hydrothermal Activity along the Ultra-Slow Spreading Mid-Cayman Rise. Chapman Conference on long-lived detachment faults and slow-spreading ridges (Troodos Cyprus, May 2010)
- German C. R., Bowen A. D. Coleman M. L. Connelly D. P. Honig D. Huber J. Jakuba M. V. Kinsey J. C. Kurz M. D. McDermott J. Nakamura K. Sands C. M. Seewald J. S. Smith J. Sylva S. Van Dover C. L. Whitcomb L. Yoerger D. R. (2010) Diverse styles of submarine venting on the ultra-slow spreading Mid-Cayman Rise (Invited). EOS Trans AGU.
- Jacobsen, K, Van Dover CL (2010) Beyond the Edge of the Sea; Diversity of Life in the Deep Ocean Wilderness traveling exhibit merging the art with the science of the deep sea, featuring the illustration work of Karen Jacobsen, and the scientific expertise of Dr. Cindy Van Dover. Deep-Sea Biology Symposium (2010) Reykjavik Iceland (June)
- Honig DL, Hsing P-Y, Jones R, Schultz T, Thaler A, Saleu W, Van Dover CL (2010) Food-web structure of a deep-sea hydrothermal vent community inferred from stable isotope data by mixing models. ISOECOL VII (Fairbanks AK, August)
- Jacobsen K, Van Dover CL (2010) Beyond the Edge of the Sea: An Artist's View of Extreme Environments on Earth. Astrobiology Science Conference 2010 (Houston; April)
- German C. R., Bowen A. D. Coleman M. L. Connelly D. P. Honig D. Huber J. Jakuba M. V. Kinsey J. C. Kurz M. D. McDermott J. Nakamura K. Sands C. M. Seewald J. S. Smith J. Sylva S. Van Dover C. L. Whitcomb L. Yoerger D. R. (2010) Oases for Life and Pre-Biotic Chemistry: Hydrothermal Exploration of the Mid-Cayman Rise. Astrobiology Science Conference 2010 (Houston; April)
- Smith J. L. Huber J. A. Coleman M. L. Connelly D. P. Honig D. German C. R. Kinsey J. Kurz M. D. McDermott J. Nakamura K. Sands C. M. Seewald J. Sylva S. Van Dover C. L. (2010) Microbial and Biogeochemical Characterization of Hydrothermal Plumes on the Mid-Cayman Rise. Astrobiology Science Conference 2010 (Houston; April)
- German CR, A Bowen, ML Coleman, JA Huber, J Seewald, CL Van Dover, LL Whitcomb, D Yoerger, D. Connelly, DL Honig, M Jakuba, JC Kinsey, J McDermott, K Nakamura, C Sands, J Smith, S Sylva (2009) Hydrothermal Exploration of the Mid-Cayman Spreading Center: Isolated Evolution on Earth's Deepest Mid-Ocean Ridge? AGU San Francisco December 2009

CINDY LEE VAN DOVER
March 2012

- Honig D, Hsing P-Y, Jones R, Schultz T, Sobel A, Thaler A, Van Dover CL (2009) Food Web Structure at Manus Basin Hydrothermal Vents (Bismarck Sea). 4th International Chemosynthesis-Based Ecosystems Symposium, Okinawa, Japan. June 29-July 3.
- Hsing P-Y, Carlsson J, Jones R, Sobel A, Thaler A, Van Dover CL, Schultz T (2009) Characterization of the metallothionein gene family in *Bathymodiolus manusensis*. 4th International Chemosynthesis-Based Ecosystems Symposium, Okinawa, Japan. June 29-July 3.
- Jones R, Honig D, Hsing P-Y, Sobel A, Schultz T, Thaler A, Van Dover CL (2009) Characterization of host-symbiont relationships in the genus *Alviniconcha* (hairy gastropod). 4th International Chemosynthesis-Based Ecosystems Symposium, Okinawa, Japan. June 29-July 3.
- Honig D, Hsing P-Y, Jones R, Schultz T, Sobel A, Thaler A, Van Dover CL (2008) Food Web Structure at South Su, Solwara 1 and Solwara 8 Hydrothermal Vent Sites (Manus Basin). *Eos Trans. AGU*, 89, Fall Meet. Suppl., Abstract B51D-0417.
- Van Dover CL, Carlsson J, Hsing P-Y, Jones R, Sobel A, Schultz T, Thaler A (2008) Variability in Environmental Characteristics of Hydrothermal-Vent Ecosystems: What's at Risk? Underwater Mining Institute Workshop. *Marine Minerals: Technological Solutions and Environmental Challenges*. The 38th Annual Conference of the Underwater Mining Institute. 17-21 November, The University of Mississippi, Oxford.
- Van Dover CL (2009) Hydrothermal vent ecosystems: What's at Risk? Deep-sea mining workshop and colloquium. Woods Hole Oceanographic Institution, Woods Hole, MA 1-2 April.
- Van Dover CL (2009) Mining of seafloor massive sulfides and biodiversity: What's at risk? ICES Symposium on Issues Confronting the Deep Oceans. University of the Azores, Horta, Portugal 27-30 April.
- Van Dover, CL, Erickson K, Macko S (2008) Evidence for a chemoautotrophically based food web at inactive hydrothermal vents (Manus Basin). AGU San Francisco December 2008
- Thaler A, Schultz T, Vilgalys R, Van Dover CL (2008) Dominant fungi from a Gulf of Mexico deep-sea methane seep represent an undescribed ascomycete clade. *Mantle to Microbe: Integrated Studies at Oceanic Spreading Centers: RIDGE2000 Community Meeting*, Portland OR (Mar 25-26)
- Erickson KL, Van Dover CL (2006) Characterization of inactive sulfide mounds, Manus Basin. 11th International Deep-Sea Biology Symposium, Southampton UK.
- Van Dover CL, Ward ME, Scott JL, Underdown J, Gustafson C, Anderson B, Whalen M, Carnegie R (2006) An emergent fungal epizootic in hydrothermal vent mussels. 11th International Deep-Sea Biology Symposium, Southampton UK.
- Gollner S, Zekely J, Van Dover CL, Govenar B, Fisher CR, Le Bris N, Bright M (2006) "Meiovent": Community study of hydrothermal vent meiobenthos associated with megafauna aggregations from the East Pacific Rise vents and adjacent off-axis sediments. European Geoscience Union, Vienna.
- Bright M, Gollner S, Zekely J, Van Dover CL, Le Bris N, Govenar B, Fisher CR (2005) Meiovent: an initiative to study the hydrothermal vent meiobenthos community from the East Pacific Rise vents and adjacent off-axis sediments. 3rd International Symposium on Hydrothermal Vent and Seep Biology. Scripps Institution of Oceanography, La Jolla, CA.
- Gollner S, Zekely J, Van Dover CL, Govenar B, Le Bris N, Bright M (2005) The benthic copepod community and trophic structure of tubeworm and mussel aggregations at the East Pacific Rise. 3rd International Symposium on Hydrothermal Vent and Seep Biology. Scripps Institution of Oceanography, La Jolla, CA.
- Logan CR, Evans MB, Carnegie R, Orphan V, Goffredi S, Ward ME, Van Dover CL (2005) Characterization of a strange spherical inclusion found in epithelial cells of digestive diverticula in *Bathymodiolus* spp. mussels. 3rd International Symposium on Hydrothermal Vent and Seep Biology. Scripps Institution of Oceanography, La Jolla, CA.
- Osterberg J, Rittschof D, Van Dover CL (2005) Behavioral responses of motile invertebrates from the Lau and North Fiji Basins to chemical cues characteristic of hydrothermal vents. 3rd International Symposium on Hydrothermal Vent and Seep Biology. Scripps Institution of Oceanography, La Jolla, CA.
- Sheader M, Van Dover CL (2005) Amphipod adaptations at hydrothermal vents. 3rd International Symposium on Hydrothermal Vent and Seep Biology. Scripps Institution of Oceanography, La Jolla, CA.
- Tyler P, Allen C, Van Dover CL (2005) *Ophioctenella acies*: The most successful echinoderm at chemosynthetically driven ecosystems? 3rd International Symposium on Hydrothermal Vent and Seep Biology. Scripps Institution of Oceanography, La Jolla, CA.

CINDY LEE VAN DOVER
March 2012

- Van Dover CL (2005) Modern approaches to the deep sea: Subsea intervention in the 21st century, trends and prospects. 3rd Port-Cros Symposium on Deep Sea Biodiversity.
- Van Dover CL (2005) Beyond the Edge of the Sea: 4 Decades of Exploration and Discovery by Alvin. AAAS, Washing DC.
- Zekely J, Gollner S, Van Dover C, Fisher CR, Bright M (2005) "Meiovent": An initiative to study the hydrothermal vent meiobenthos community from East Pacific Rise vents and adjacent off-axis sediments. European Marine Biology Symposium, Vienna.
- Zekely J, Gollner S, Van Dover CL, Govenar B, Le Bris N, Bright M (2005) The benthic nematode community and trophic structure of tubeworm and mussel aggregations at the East Pacific Rise. 3rd International Symposium on Hydrothermal Vent and Seep Biology. Scripps Institution of Oceanography, La Jolla, CA.
- Van Dover CL (2005) Beyond the edge of the sea: Four decades of deep-ocean exploration and discovery by DSV Alvin. AAAS invited talk, Washington DC
- Van Dover CL (2004) Mussel bed communities at hydrothermal vents on the East Pacific Rise and Backarc Spreading Systems. RIDGE 2000-INTERRIDGE Joint Theoretical Institute (Interactions among Physical, Chemical, Biological, and Geological Processes in Back-Arc Spreading Systems; Jeju, Korea)
- Van Dover CL Dreyer J (2004) Temporal changes in mussel-bed communities at deep-sea hydrothermal vents on the East Pacific Rise. 32nd International Geological Congress, Florence, Italy.
- Horak REA, Forsyth MH, Van Dover, CL (2004) Do sulfide-oxidizing bacteria produce light? ASLO/TOC meeting, Honolulu, HI.
- Dreyer J, Van Dover CL (2004) A new genus and species of Nautiliniellidae found in deep-sea clams at the Blake Ridge Cold Seep. 7th International Polychaete Conference, Madrid Spain.
- Mroz RJ, Van Dover CL (2004) A histological investigation into the internal anatomy of a new species of commensal polychaete from the family Nautiliniellidae at the Blake Ridge methane hydrate. 7th International Polychaete Conference, Madrid Spain.
- Flint HC, Copley JTP, Tyler PA, Ferrero TJ, Van Dover CL (2004) Meiofaunal diversity of deep-sea vents. Twelfth International Meiofauna Conference, Ravenna (Italy).
- Blankenship RE, Lince MT, Lang A, Plumle, J, Overmann J, Van Dover CL, Beatty JT (2004) A new photosynthetic green sulfur bacterium isolated from deep-sea hydrothermal vents. ASLO HI.
- Heyl TP, Schmidt K, Van Dover CL (2004) The influence of environmental variables on the reproductive condition of clams (cf. *Calyptogena birmani*) at the Blake Ridge Seep. Poster presentation at the 33rd Annual Marine Benthic Ecology Meeting in Mobile, AL.
- Van Dover CL, Gilhooly W, Heyl T, Mills A, Ruppel C (2004) Exploration of the Blake Ridge Diapir: Relationships between vesicomid clam populations and sediment-porewater parameters. ASLO Hawaii.
- Horak RE, Forsyth MH, Van Dover CL (2004) Light production by sulfide-oxidizing bacteria? A possible light source for chloroplast-sequestering foraminiferans. ASLO Hawaii.
- Heyl TP, Van Dover CL (2003) Sulfide flux, mortality and reproductive condition of vesicomid clams. RIDGE 2000 Town Meeting, Boulder CO.
- Ward ME, Van Dover CL (2003) Impact of parasites on community dynamics in deep-sea chemosynthetic environments. RIDGE 2000 Town Meeting, Boulder CO.
- Osterberg JS, Rittschof D, Van Dover CL (2003) A Larval Settling Cue Experiment at 9°50'N on the EPR. RIDGE 2000 Town Meeting, Boulder CO.
- Mills A, Heyl T, Gilhooly W, Ruppel C, Van Dover CL (2003) Mortality and parasitism in vesicomid clams from the Blake Ridge Diapir. RIDGE 2000 Town Meeting, Boulder CO.
- Mills A, Ruppel C, GilhoolyW, Heyl T, Van Dover CL (2003) Clam mortality at the Blake Ridge Diapir. Deep-Sea Biology Meetings, OR.
- Dreyer J, Van Dover CL (2003) Time-series comparison of hydrothermal-vent mussel bed communities on the East Pacific Rise between 1991 and 2001. Deep-Sea Biology Meetings, OR.
- Goffredi SK, Waren A, Orphan VJ, Van Dover CL, Vrijenhoek RC (2003) A newly described vent snail from the Indian Ocean; Metal-rich and associated with both endo- and epibiotic bacteria. American Society of Limnology and Oceanography, Salt Lake City.
- Salerno JL, Van Dover CL (2003) Nutritional contributions of dual symbiosis during ontogenesis in deep-sea mussels. American Society of Limnology and Oceanography. Salt Lake City.
- Knick, K.E., Van Dover, C.L.(2003) Characterization of mussel beds at Blake Ridge methane hydrate seep.

CINDY LEE VAN DOVER
March 2012

- American Society of Limnology and Oceanography. Salt Lake City.
- Horak, R E Forsyth, M., Van Dover, C.L. (2003) Does sulfide oxidation in marine *Beggiatoa* spp. produce light? American Society of Limnology and Oceanography. Salt Lake City.
- Blankenship, R.E., Line, M.T., Lang, A.S., Plumley, F.G., Overmann, J., Van Dover, C.L., Beatty, J.T. (2003) A new photosynthetic green sulfur bacterium isolated from deep-sea hydrothermal vents. NASA Astrobiology Meeting.
- Reed AJ, Lutz RA, Van Dover CL, Vetriani C (2003) Diversity, community structure and vertical zonation of sedimentary Bacteria and Archaea from the base of the Florida Escarpment, Gulf of Mexico. American Society for Microbiology, Washington DC.
- Voordeckers M, Haggblom, Van Dover CL, Vetriani C (2003) Phylogenetic and functional analysis of microbial communities associated with active black smokers at Mid-Atlantic Ridge hydrothermal vents. American Society for Microbiology, Washington DC.
- Gilhooly W, Kozak A, Macko SA, Caylor E, Carney RS, Ruppel C, Van Dover CL (2003) Tracing the sources of sulfate and sulfide at hydrocarbon seep sites. American Chemical Society.
- Rapoport S, Newman MC, Van Dover CL (2002) Changes in metal distribution in mussels at chemosynthetic environments: A transplant experiment. Society for Environmental Toxicology and Chemistry, Salt Lake City.
- Seitz R, Van Dover CL (2002) Manipulative experiments at vents and seeps: Synthesis and prospectus. RIDGE2K Implementation Workshop.
- Ward ME, Gregory C, Van Dover CL (2002) Parasite burdens of hydrothermal vent mussels. Benthic Ecology Meetings.
- Rapoport S, M Newman M, Van Dover CL (2002) Changes in heavy metal distribution within mussels at chemosynthetic environments: A transplant experiment. Benthic Ecology Meetings.
- Turnipseed M, Van Dover CL (2002) Community structure at the Florida Escarpment cold seep. Benthic Ecology Meetings.
- Salerno JL, Hallam S, Van Dover CL (2002) Symbiont acquisition in hydrothermal vent mussels. Benthic Ecology Meetings.
- Doerries MB, Van Dover CL (2002) Community structure in mussel beds at Logatchev, a deep-sea hydrothermal vent on the Mid-Atlantic Ridge. Benthic Ecology Meetings.
- Knick K et al (2002) Invertebrate biomass among mussels at deep-sea hydrothermal vents. Benthic Ecology Meetings.
- Van Dover CL (2002) Diversity in chemosynthetic habitats: Scope and scale. AAAS Boston.
- Van Dover CL (2002) The Census of Marine Life ChEss Project: chemosynthetic Ecosystems. AAAS Boston.
- Van Dover CL (2001) Biodiversity and biogeography of invertebrates at hydrothermal vents. AAAS San Francisco.
- Blankenship RE, Van Dover CL, Plumley FG, Falkowski PG, Beatty JT, Yurkov VV, Kolber ZS, Lince MC, Raymond JR, Lang AS, Rathgeber C, Sczekan SR (2001) Search for photosynthesis at deep-sea hydrothermal vents. American Chemical Society
- Rathgeber C, Yurkova N, Stackebrandt E, Van Dover CL, Beatty JT, Yurkov V (2001) Tellurite and selenite reducing bacteria isolated from deep ocean hydrothermal vent sites of the Juan de Fuca Ridge in the Pacific Ocean. The 9th International Symposium on Microbial Ecology in Amsterdam
- Jenkins CD, Turnipseed M, Van Dover CL (2001) Corraling of larvae in the deep sea? LARVE Workshop, Ogden UT
- Turnipseed MP, Van Dover CL (2001) Comparative recruitment at southern East Pacific Rise vents and the Florida Escarpment cold seep. LARVE Workshop, Ogden UT.
- Ward ME, Van Dover CL (2001) Yolk synthesis in deep-sea hydrothermal vent polychaetes. LARVE Workshop, Ogden UT.
- Van Dover CL (2000) Volcanic control of diversity at deep-sea hydrothermal vents. Benthic Ecology Meeting, Wilmington, DE
- Van Dover CL (2000) Volcanic control of diversity at deep-sea hydrothermal vents. First Annual Astrobiology Meeting, NASA Ames Research Center, Mountain View, CA. Poster selected for display at NASA Headquarters.
- Van Dover CL (2000) Light at hydrothermal vents and the search for phototrophs. 9th Deep-Sea Biology Symposium, Galway.

CINDY LEE VAN DOVER

March 2012

- Allen CE, Pond DW, Tyler PA, Van Dover CL (2000) Lipid profiles of the hydrothermal vent tubeworm *Ridgeia piscesae* – are vestimentiferans entirely reliant on a chemoautotrophic source of organic matter? 9th Deep-Sea Biology Symposium, Galway.
- Bacon SN, Van Dover CL (2000) Oocyte development in the polychaete *Paralvinella palmiformis* from deep-sea hydrothermal vents. Society for Integrative and Comparative Biology, Atlanta.
- Van Dover CL (2000) Biodiversity at deep-sea vent and intertidal mussel beds. Society for Integrative and Comparative Biology, Atlanta.
- Van Dover CL (1999) Hydrothermal cycles and biodiversity at Mussel Beds on the southern East Pacific Rise. EOS, Trans. Am. Geophys. Union, 80 (Suppl.):1098.
- Bergmanis EC, Sinton JM, White S, Macdonald KC, Batiza R, Rubin K, Gregg TK, Van Dover CL, Grönvold K (1999) Anatomy of a mid-ocean ridge volcanic eruption: The Aldo-Kihi flow between 17°24'S and 17°34'S, East Pacific Rise. EOS, Trans. Am. Geophys. Union, 80 (Suppl):1075.
- Sinton JM, Bergmanis EC, Batiza R, Rubin K, White S, Macdonald KC, Gregg T, Grönvold K, Ryan W, Cormier M, Shah A, Van Dover CL, Aigner-Torres M (1999) Volcanic eruptions at superfast spreading mid-ocean ridges: Lava flows on the East Pacific Rise, 17-19°S. EOS, Trans. Am. Geophys. Union, 80 (Suppl):1097.
- Van Dover CL (1999) Life and light at deep-sea hydrothermal vents. Bioastronomy Meeting, Kona, HI.
- Rummel JR, Van Dover CL (1999) Shedding some light on the possibility of European life. 12th International conference on the Origin of Life.
- Tyler PA, Baker M, Copley JT, Van Dover CL (1998) Reproduction of invertebrates at hydrothermal vents. InterRidge MOMAR Workshop, Abstract Volume: 71.
- White SN, Chave AD, Bailey JW, Van Dover CL, Reynolds GT, Gaidos E (1998) Images of ambient light at deep-sea hydrothermal vents, 9°N East Pacific Rise. Eos, Trans. Am. Geophys. Un. Suppl 79:F858.
- Van Dover CL (1998) Biology in extreme environments at deep-sea hydrothermal vents. 1998. Eos, Trans. Am. Geophys. Un. Suppl 79:F54.
- Baker M, Copley JTP, Tyler PA, Van Dover CL (1998) Reproductive biology and population structure of hydrothermal vent invertebrates. Bridge Annual Science Progress Meeting, University of Bristol.
- Knowlton AJ, Trask JL, Van Dover CL (1997) Reproductive biology and population structure of commensal and free-living polynoid polychaetes at the Lucky Strike hydrothermal field. 8th International Deep-Sea Biology Symposium. Monterey CA.
- Schurmeier J, Trask JL, Van Dover CL (1997) An illustrated guide to Lucky Strike hydrothermal vent fauna. 8th International Deep-Sea Biology Symposium. Monterey CA.
- Trask J, Van Dover CL, Fornari D, Humphris S (1997) Comparative biodiversity: Hydrothermal vent and intertidal mussel communities. 8th International Deep-Sea Biology Symposium. Monterey CA.
- Pfingst T, Van Dover CL, Haymon R, Macdonald K, Wright D (1997) Characteristics of hydrothermal vent communities along the Southern East Pacific Rise, 17°15' to 17°40'S. 8th International Deep-Sea Biology Symposium. Monterey CA.
- Haymon RC, Macdonald KC, Baron S, Crowder L, Hobson J, Sharfstein P, White S, Bezy B, Birk E, Terra F, Scheirer D, Wright D, Magde L, Van Dover C, Sudarikov S, Levai G (1997) Distribution of fine-scale hydrothermal, volcanic and tectonic features Aalong the EPR crest, 17°15'-18°30'S: Results of near-bottom acoustic and optical surveys. EOS, Transactions of the American Geophysical Union.
- Rielely G, Van Dover CL, Hedrick DB, Eglinton G (1996) Trophic ecology of *Rimicaris exoculata* from TAG as revealed by relative abundances and isotopic compositions of individual fatty acids. FARA Symposium, Reykjavik, Iceland.
- Fornari DJ, Humphris S, Bowen A, Van Dover CL, Shank T, Von Damm K, Bray A, Parson LM, German CR, Blondel P and the LUSTRE '96 Team (1996) Near-bottom investigations at Lucky Strike Seamount MAR 37°N using fiber optic tethered vehicles of the UNOLS National Deep Submergence Facility: ROV Jason, ARGO-II and the DSL-120 kHz sonar. EOS 77:699.
- Trask J, Van Dover CL, Fornari D, Humphris S (1996) There is more to Lucky Strike than mussels. EOS 77:767.
- White SN, Chave AD, Bailey JW, Van Dover CL, Reynolds GT (1996) Measurements of light at hydrothermal vents, 9°N East Pacific Rise. EOS 77:404.
- Fornari DJ, Humphris S, Bowen A, Van Dover CL, Shank T, Von Damm K, Bray A, Parson L, German C, Blondel P (1996) Near-bottom investigations in the Lucky Strike Segment; MAR 37 degrees N using the

CINDY LEE VAN DOVER
March 2012

- fiber optic tethered vehicles of UNOLS National Submergence Facility, ROV Jason, ARGO-II and the DSL-120 kHz sonar. EOS 77:699.
- Fiala-Médioni A, Cavanaugh C, Dando P, Van Dover CL (1996) Symbiotic mussels from the mid-Atlantic ridge: adaptations to trophic resources. J. Conf. Abstr. 1:788.
- Shank TM, Fornari DJ, Von Damm K, Lilley M, Van Dover CL, Levai G, Lutz RA (1995) Dynamic fluctuations and cyclic periodicities of low-T hydrothermal venting; time-lapse multi-probe temperature measurements and video imaging at 9 degrees 49.8'N on the East Pacific Rise crest; results from Dec. 1993 to October 1995. EOS 76:701.
- Van Dover CL, Desbruyeres D, Saldanha L, Fiala-Medioni A, Langmuir C and the Lucky Strike Team (1993) A new faunal province at the Lucky Strike hydrothermal field. EOS 74:100.
- Chave AD, Van Dover CL, Tyson JA, Bailey JW, Petit RA, Filoux JHMoeller HH (1993) Ambient light measurements from the Snake-Pit area. EOS 74:100.
- Murton BJKlinkhammer G, Van Dover CL, Becker K, Briasis A, Edge D, Millard N, Mitchell I, Rouse I, Parson L, Hayward N, Rudnicki M, Sayanagi K, Sloan H (1993) Direct measurements of the distribution and occurrence of hydrothermal activity between 27°N and 30°N on the Mid-Atlantic Ridge. EOS 74:99.
- Langmuir CH, Fornari DJ, Colodner D, Charlou J-L, Costa I, Desbruyeres D, Desonie D, Emerson T, Fiala-Medioni A, Fouquet Y, Humphris S, Saldanha L, Sours-Page R, Thatcher M, Tivey M, Van Dover CL, Von Damm K, Wiese K, Wilson C (1993) Geological setting and characteristics of the Lucky Strike Vent Field at 37°17'N on the Mid-Atlantic Ridge. EOS 74:99.
- Van Dover CL (1993) Unravelling chemosynthetic food webs. Pingree Park Food Web Conf., Ft. Collins, CO.
- Van Dover CL, France S, Martin JW and the Atlantis II, Leg 35 Shipboard Scientific Party (1992) Benthopelagic amphipod swarms at deep-sea hydrothermal vents. Benthic Ecology Meeting, Newport, RI.
- Martin JW, Van Dover CL (1992) Morphology of a swarming amphipod from deep-sea hydrothermal vents. International Meeting of the Crustacean Society, Charleston SC.
- Van Dover CL, Grassle JF (1991) Isotopic evidence for entry of sewage-derived organic material into an abyssal food web. Marine Benthic Ecology Meetings.
- Grassle JF, Petrecca R, Bothner M, Butman B, Fry G, Robb J, Colwell R, Farrington J, Sayles F, Van Dover CL, Stegeman J (1991) Preliminary results on environmental impact of sludge-dumping at deep-water dumpsite 106. Marine Benthic Ecology Meetings.
- Van Dover CL, Berg C, Turner RD (1988) Recruitment at deep-sea hydrothermal vents. EOS 69:
- Grassle JF, Petrecca R, Van Dover CL (1988) Distribution of animals at deep-sea hydrothermal vents. EOS 69:
- France SC, Van Dover CL (1988) Deep-sea hard substrate megafauna along the East Pacific Rise. Fifth Deep-Sea Symposium Abstracts, p.73.
- Van Dover CL, Fry B (1988) Delta-¹⁵N and delta-¹³C composition of megafaunal and macrofaunal species from Hanging Gardens (East Pacific Rise), Alice Springs and Snail Pits (Marianas Back Arc Basin). Fifth Deep-Sea Symposium Abstracts, p.127.
- Sulanowska, M., G. Thompson, S.E. Humphris, C. Van Dover, D. Colodner, and K. Gillis. 1988. Hydrothermal activity along the East Pacific Rise, 10-12°N. EOS 69:1496.
- Van Dover CL, Delaney J, Smith M, Cann JR (1988) Light emission at deep-sea hydrothermal vents. EOS 69:1498.
- Van Dover CL, Fry B, Grassle JF, Garritt H (1988) Stable isotopic evidence for entry of sewage-derived organic material into a deep-sea food web. EOS 72:83.
- Van Dover CL, Fry B, Grassle JF, Humphris S, Rona PA (1987) Swarming shrimp at Mid-Atlantic Ridge Hydrothermal Vents: What do they eat? EOS 68:1721.
- Van Dover CL Franks PJ, Ballard RD (1986) Distributions of brachyuran crabs and hydrothermal vents along the East Pacific Rise, 10°43'N to 10°49'N. EOS 67:1244.
- Grassle JF, Humphris S, Rona PA, Thompson G, Van Dover CL (1986) Animals at Mid-Atlantic Ridge hydrothermal vents. EOS 67:1022.

BOOK REVIEWS

- 2011 *Atlas of Oceans: An Ecological Survey of Underwater Life* by John Farndon. The Quarterly Review of Biology.
- 2010 *Deep-Sea Biodiversity* by Michael Rex and Ron Etter. The Quarterly Review of Biology.

CINDY LEE VAN DOVER
March 2012

- 2007 *Silent Deep: The Discovery, Ecology, and Conservation of the Deep Sea* by Tony Koslow. Science 317:321.
- 2004 *Montrurio's Dream: The Extraordinary Story of the Submarine Inventor Who Wanted to Save the World* by Matthew Stewart. American Scientist.
- 12002 *Life at the Limits: Organisms in Extreme Environments* by David A. Wharton. Trends in Ecology and Evolution
- 1992 *Deep-Sea Biology*, by J.D. Gage and P.A. Tyler. Science 255:615.
- 1991 *Crustacean Sexual Biology*, edited by R.T. Bauer and J. W. Martin. The Quarterly Review of Biology 66:507-508.
- 1987 *Larval Growth*, edited by A.M. Wenner. The Quarterly Review of Biology 62:85-86.

NON-TECHNICAL WRITING

- Van Dover, CL (2008) *Beyond the Edge of the Sea: Diversity of Life in the Abyss*. Catalog, Natural History Brochure, and Activity Book to accompany a traveling art exhibition
- Van Dover CL (2007) Deep-Sea Exploration. In: *The Deep: The Extraordinary Creatures of the Abyss*, edited by Claire Nouvian (University of Chicago Press)
- Van Dover CL (2005) Autobiography. *Oceanography*
- Van Dover CL (2005) Vent Bio 101. *Current*.
- Van Dover CL (1998) Marine Biodiversity. *UNESCO Courier*.
- Van Dover CL (1998) UAF Undersea Connection. *Fairbanks Daily-News Miner*, 12 March 1998
- Van Dover CL (1996) *The Octopus's Garden* (Addison-Wesley). (Received "Best of 1997 - Book List for Teens" award from NY Public Library.) Re-issued in paper as *Deep-Ocean Journeys*
- Van Dover CL (1993) Untitled. *Discover*.
- Van Dover CL (1992) Black smokers and 'eyeless' shrimp. *ANH [Australian Natural History]* 24:11.
- Van Dover CL (1991) Untitled. *Smithsonian* 22:22-24.
- Van Dover CL (1991) Diving the MIRs. *Oceanus* 34:8-13.
- Van Dover CL (1988) Dive 2000. *Sea Frontiers* 34:326-331.
- Van Dover CL (1988) Do 'eyeless' shrimp see the light of glowing deep-sea vents? *Oceanus* 31:47-52.
- Van Dover CL (1987) ArgoRise: Outline of an Oceanographic Expedition. *Sea Frontiers* 33:186-194.

MAJOR OUTREACH EFFORTS (incomplete for 2005; not recorded for earlier years and only partially logged in recent years)

- Beyond the Edge of the Sea: Diversity of Life in the Deep-Ocean Wilderness*
<http://web.wm.edu/muscarelle/exhibitions/traveling/beyond/index.html> A traveling exhibition of original deep-sea art, curated by CLVD. Muscarelle Museum of Art, College of William & Mary, Fall 2009; Earth and Minerals Science Museum and Art Gallery, Penn State University, Spring/Summer 2010
- Rachel Carson Centennial Blog*, month of August 2007 (<http://rcbookclub.blogspot.com/>)
- Via Antarctica* – a 7-part science video podcast series about the Antarctic environment and global climate change; available on *iTunes* (also at <http://www.wm.edu/news/?id=5503>); produced entirely by clvd
- Linnaeus Locus* – <http://www.wm.edu/biology/linnaeuslocus/>; a website devoted to the description of a new species

OTHER OUTREACH EFFORTS

- Milstein Science Series, American Museum of Natural History; Extremophiles: Life in Extreme Environments
- Cachalot app content: Giant Tubeworms (<http://itunes.apple.com/us/app/cachalot/id458866319?mt=8>)
- Media briefing, AAAS; technologies in the ocean; 19 Feb 2005
- Hampton Roads Air & Space Museum, Teacher's Workshop; lecture/intro to IMAX "Aliens of the Deep"; 26 Feb 2005
- Presentation to Easter Island students (50 students, 5th and 6th grades) about research cruise work/vent biology
- Town & Gown talk, W&M; 14 April 2005
- MBARI cruise web sites (Pacific Antarctic Ridge, Lau and Fiji Basins)
- Vent Biology 101. *Current, The Journal of Marine Education* 21:20-23 (2005)

CINDY LEE VAN DOVER
March 2012

MEDIA COVERAGE – INCOMPLETE

NPR 2 April 2012 Gold miners dig deep – to the ocean floor. <http://www.npr.org/2012/04/02/149838302/seafloor-becomes-next-frontier-for-gold-diggers>

MSNBC.com 27 March 2012; Deep-sea scientists cheer Cameron’s historic dive

[3/27/2012http://www.msnbc.msn.com/id/46873287/ns/technology_and_science-science/#.T3iD6Xi4Jwx](http://www.msnbc.msn.com/id/46873287/ns/technology_and_science-science/#.T3iD6Xi4Jwx)

Nature News 27 March 2012; James Cameron returns from the deep

<http://www.nature.com/news/james-cameron-returns-from-the-deep-1.10332>

National Geographic 12 March 2012

<http://news.nationalgeographic.com/news/2012/03/120308-james-cameron-deepest-mariana-trench-challenger-science-sub/>

Washington Post 3 January 2012) Deep-sea vents, just north of Antarctica, flourish with species never seen before.

http://www.washingtonpost.com/national/health-science/deep-sea-vents-just-north-of-antarctica-flourish-with-species-never-seen-before/2011/12/19/gIQAX4NgYP_story.html?hpid=z4 **Our Amazing Planet** (January 2012)

First expedition to probe deepest sea vent on Earth. <http://www.ouramazingplanet.com/2229-expedition-mid-cayman-rise-deepest-hydrothermal-vents.html>

The Badger Herald At Ebling, in-depth paintings of deep sea

creatures. 14 December 2011 http://badgerherald.com/artsetc/2011/12/14/at_ebling_in-depth_p.php

Canadian Chemical News Into the Deep (February 2012)

The Library Incubator Project Beyond the Edge of the Sea: Ebling Library Exhibition

<http://www.libraryasincubatorproject.org/?p=1064> (22 Nov 2011)

Nature News <http://www.nature.com/news/yeti-crab-grows-its-own-food-1.9537> Yeti crab grows its own food.

Includes expert comments by CLVD on a research report by colleagues. (2 December 2011)

Artes Magazine <http://www.artesmagazine.com/2011/11/u-wisconsin-madison-exhibit-features-images-of-exotic-creatures-from-ocean-depths/>

U. Wisconsin-Madison exhibit features images of exotic creatures from ocean depths. (3 November 2011; Katherine Arcano)

OurAmazingPlanet.org: <http://www.ouramazingplanet.com/ocean-deep-mysteries-exploration-2063/> Earth’s Final Frontier: Mysteries of the Deep Sea

Voice of America Online: Deep-Sea Ecosystems at Risk According to Global Marine Census (16 August 2011)

<http://www.voanews.com/english/news/environment/Deep-Sea-Ecosystems-at-Risk-According-to-Global-Marine-Census-127896613.html>

Audubon Magazine.org (August 02, 2011) <http://magblog.audubon.org/ghost-nets-and-mermaid-tears-human-impact--last-great-wilderness>

Nature blog: Scientists ‘lag behind’ as human impacts on the deep-sea increase

http://blogs.nature.com/news/2011/08/scientists_lag_behind_as_human_1.html

Leonard Lopate Show (NYC Public Radio) (7 July 2011)

<http://www.wnyc.org/shows/lopate/2011/jul/07/underreported-deep-sea-mining/>

Australian Broadcasting Company Catalyst Deep Sea Mining (9 June 2011)

<http://www.abc.net.au/catalyst/stories/3240156.htm>

New Scientist (Environment). Deep-Sea Gold Rush: Mining Hydrothermal Vents (by Peter Aldhous) (29 June

2011) <http://www.newscientist.com/article/mg21128193.700-deep-sea-gold-rush-mining-hydrothermal-vents.html>.

Yale Environment 360 Q&A (3 March 2011) http://e360.yale.edu/feature/deep-sea_mining_is_coming_assessing_the_potential_impacts/2375/

Wired Science 19 July 2010. Deep-sea vent discovery sets hydrothermal life’s new depth record.

Discovery News 8 July 2010 *There’s gold in them thar...oceans!* Michael Reilly.

<http://news.discovery.com/earth/theres-gold-in-them-thar-oceans.html>

High-seas Biodiversity and Genetic Resources: Science and Policy Questions. RJ Blaustein Bioscience 2010 v 60: 409-413

Oceanography: Death and rebirth in the deep. Jane Qiu (2010) Nature 465:284-286.

RENCI People Interview 5 May 2010 <http://www.renci.org/news/videos/renci-people-interview-with-cindy-van-dover>

NY Times Claudia Dreifus: Conversation With Cindy Lee Van Dover Deep in the Sea, Imagining the Cradle of Life on Earth. October 2007

Digging deep Nature 447:246-247

CINDY LEE VAN DOVER
March 2012

Duke Environment Magazine Diving into uncharted waters. Spring 2007
Deep-Sea Biology: The Life Aquatic Emma Marris *Nature* 436:908-909
Our Ocean World Discovering New Creatures (90-second radio feature) 1 March 2005
NPR Science Friday 4 March 2005
NPR Morning Edition interview in response to Beatty et al. 2005 (PNAS) June 05
Venerable deep-sea sub to be replaced. David Osumi-Sutherland *Nature* (2004) doi:10.1038/news040802-22
Deep-sea worm sucks blood. Discovery News 22 May 2002 (web site)
Hell's Gape. California Wild. Fall 2002 (p. 26-31)
Want exotic life? Look toward our planet's depths. Daily Press 15 Feb 2002 (Norfolk)
Technology may harm delicate sealife. Daily Press 16 Feb 2002 (Norfolk)
Trawlers called peril to sea life. Richmond-Times Dispatch (Feb 2002)
Setting Sights on Survival. NY Times November 11 (2002)
What lies below? National Geographic, Feb 2003
Diaries from the Deep. The College of William & Mary web site (Nov 2003)
Northern Vents – Arctic shows surprising hydrothermal activity. Science News 163:37 (2003)
W&M student's field trip focuses on in-depth research. Daily Press August 19 2003 (Norfolk)
Windows to the Deep. Richmond-Times Dispatch 6 Sep 2003
Hydrothermal vents and giant tubeworms. Chem Matters. December 2003
Women & the Sea. Schaefer Exhibit Hall, Mystic Seaport (2004)
Sui fondali oceanici tra vermin e valanghe – le scoperte del sommergibile "Alvin". La Stampa, 20 October 2004 (Italy)
Windows to the Deep: Exploration of Blake Ridge. NOAA Ocean Exploration Annual Rpt for 2003, pp. 12-13.
Searching for Steinbeck's Sea of Cortez, A. Romano-Lax, p.139 – excerpt from *The Octopus's Garden.*
Are we alone? Gloria Skurzynski. National Geographic. 2004
Fallout Feast – Vent crabs survive on victims of plume. Science News 167:6 (2005)
Light from the dark. Carl Zimmer. The Loom (web site; 2005)
Microbe may push photosynthesis into deeper water. Science 308:1855 (2005)
New Scientist (2005)
Lockheed Martin video interview (2007) <http://www.lockheedmartin.com/how/> (select "Below the Surface... How")
Smithsonian Ocean Hall video interview (2007)
NY Times Science Times quotes in "New Sphere in Exploring the Abyss" 26 August 2008, by William J. Broad.

REVIEWER FOR TECHNICAL JOURNALS, including

American Naturalist
Annual Reviews
Astrobiology
Biodiversity and Conservation
Continental Shelf Research
Deep-Sea Research
Estuarine, Coastal, and Shelf Science
FEMS Microbiology Ecology
Geological Society Special Publications
Geology
Geophysical Research Letters
Geophysical Reviews
Hydrobiologia
Journal of Biogeography
Journal of the Marine Biological Association of the United Kingdom
Journal of Experimental Marine Biology and Ecology
Marine Biology
Marine Ecology
Marine Ecology Progress Series
Marine Environmental Research

CINDY LEE VAN DOVER
March 2012

Marine Geology
Nature
Oecologia
Palaeo, Palaeo, Palaeo
PNAS
Proceedings of the Royal Society of London B
Science
Princeton University Press
Harvard University Press + other book publishers

Diversity Efforts

2009 Recruited Xavier Basurto to the Division of Marine Science and Conservation
2010- Lectureship Program (sent 5 graduate students/research scientists to give lectures/seminars at Hampton University, Savannah State University, and Elizabeth City State University) ONGOING
2010 Successful recruitment of 2 minority students to Spring 2011 Semester Fellowships at the Marine Lab (Oak Foundation)
2011 ASLO Minority Program Mentor, ASLO Meeting (Feb 2011)
2011 Lectureship Program (sent 6 graduate students/research scientists to give lectures/seminars at Hampton University, Savannah State University, and Elizabeth City State University)
2011 Minority Fellowships for Fall semester (2 students; Wade Family Endowment)
2011 OCE Post-doctoral research fellowships matching effort
2012 OAK Foundation program for 2 minority fellowships each Spring
2012 Kersey Sturdivant target of opportunity seminar/visit
2012 Summer minority fellowships
2012 Minority Fellowships for Fall semester (2 students)

DATA PRODUCTS

R/V Knorr 162-13 Multibeam Sonar (Central Indian Ridge) http://www.marine-geo.org/statistics/AnnualSummary/2012_01/WebPages/VanDover_Cindy.php
See also search on Van Dover; 10 citations at Marine Geoscience Data System

REVIEWER FOR FUNDING AGENCIES, including

NASA Astrobiology
NASA -- ASTEP
NOAA--National Undersea Research Program
NOAA--Ocean Exploration
NSF Archaeology
NSF Biotic Surveys
NSF Biological Oceanography
NSF Blue Ribbon Panel, Ocean Observatory Initiative
NSF Informal Science Education
NSF Field Stations and Marine Laboratories
NSF Marine Geology and Geophysics
NSF Physical Oceanography
NSF Oceanographic Instrumentation
NSF Polar Programs
Ifremer (France)
NERC (UK)
AAAS
Fulbright Program

William & Mary Undergraduate Honors Students

Susan Bacon (2000)
Estella Callie Raulfs (2003 Fall)

CINDY LEE VAN DOVER
March 2012

Mark Doerries (2003)
Anne Mills (2004)
Megan Evans (2005)
Carol Logan (2006)

William & Mary Freshmen HHMI Research Students

Julianne Pupa (2002)

William & Mary Undergraduate Thesis Students (non-honors)

Christina Terlizzi (2003)
Elizabeth Blake (2004)
Matthew Whalen (2006)
Jamie Underdown (2006)
Brooke Anderson (2006)
Heather Heiser (2007)

William & Mary Masters Students (date degree granted or to be granted)

Jennifer Trask (UAF 1998)
Mary Turnipseed (2002)
Megan Ward (2003)
Katie Knick (2003)
Jennifer Salerno (2003)
Shana Rapoport (2003)
Jenny Dreyer (2004)
Taylor Heyl (2004 Fall)
Jessica Wallace (2005)
Elizabeth Blake (2006)
Kristie Erickson (2007)

Duke University Undergraduate Honors Students

Rebecca Jones (Rachel Carson Scholar) 2009
Fei Lian 2010
Alix Jacobsen (2011)

Duke University MEM students

Virginia Bostock
Alissa Marturano (2011)
Varun Kumar (2011)
Ning Wang (2011)
Nicole Carlozo (2012)
Melissa Kemm (2012)
Kate Brogan (2013)
Jed Raskie (2013)

Duke University PhD Students

Andrew Thaler (2007-)
David Honig (2008-)
Megumi Shimizu (2010-)
Jameson Clarke (2011-)
Jamie Wagner (2012-)

Post Doctoral Scholars

Sophie Plouviez (June 2010 -)

CINDY LEE VAN DOVER
March 2012

Bursary Students (from Papua New Guinea)

Martha Mungkaje (2007)

William Saleu (2008)

Hosea Gonuma (2011)

Freddie Alei (2012)

International Seabed Authority Trainee

William Saleu (15 November 2009 through 15 September 2010)

Visiting Scientists

Laurent Godet (2-months; 2009; France)

Se-Joo Kim (2 weeks; 2011; Korea)