JULIANA D'ANDRILLI
Assistant Research Professor – Dept. Land Resources & Environmental Sciences
Montana State University, Bozeman, Montana, 59717
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EDUCATION

2004-2009 Florida State University, Tallahassee, Florida, USA
Ph.D. in Physical Chemistry
Research discipline in Environmental Chemistry
Major Advisor: William T. Cooper
Dissertation Title: Molecular Characterization of Marine and Terrestrial Dissolved Organic Matter Using Ultrahigh Resolution Mass Spectrometry

1999-2003 Mary Washington College, Fredericksburg, Virginia, USA
B.S. in Chemistry

EMPLOYMENT

Feb-2017-Present Assistant Research Professor
Land Resources & Environmental Science
Montana State University (MSU): Payn Watershed Hydrology Lab
Bozeman, MT, USA

Oct 2014-2017 Assistant Research Professor
Chemical and Biological Engineering & Center for Biofilm Engineering
MSU: Foreman Microbial Ecology and Biogeochemistry Lab

Jan-Oct 2014 Research Scientist
Center for Biofilm Engineering
MSU: Foreman Microbial Ecology and Biogeochemistry Lab

2013-2014 Postdoctoral Research Fellow
Center for Biofilm Engineering
MSU: Foreman Microbial Ecology and Biogeochemistry Lab

2010-2013 Postdoctoral Research Associate
Center for Biofilm Engineering and Dept. Land Resources & Environmental Sciences
MSU: Priscu Biogeochemistry and Microbiology of Icy Environments Lab
Foreman Microbial Ecology and Biogeochemistry Lab

2003-2004 Chemist at Estee Lauder, Melville, New York, USA
Research & Development Park: Hair Care Lab

AFFILIATIONS

2009-Present National High Magnetic Field Laboratory, Tallahassee, Florida, USA

User of the 9.4T Fourier Transform Ion Cyclotron Resonance Mass Spectrometer (FT-ICR MS) in the ICR Facility

2014-Present Institute on Ecosystems
Montana State University, Montana, USA

PROFESSIONAL SOCIETIES

American Chemical Society
American Geophysical Union
Association for the Sciences of Limnology and Oceanography
Society for Freshwater Science

FUNDING AWARDS

NSF-1643288 Division of Biological Sciences: "Dimensions: Collaborative Research on Airborne Ice Nucleating Species (RAINS)" Lead PI: Brent C. Christner (University of Florida) Subaward-UFOER00011511, $14,988.00 Co-PI: Juliana D'Andrilli (Montana State University)

NSF-1655197 1655198 Long Term Research in Environmental Biology: "Collaborative Research - River ecosystem responses to floodplain restoration" Total award $562,496.00
Lead PI: H. Maury Valett (University of Montana; UM)
Co-PIs (UM): Mike DeGrandpre and Marc Peipoch
Co-PIs: (Montana State University): Robert Payn and Juliana D'Andrilli $200,778.00

MAJOR COMMITTEES & WORKSHOPS

Sept. 22-25 2015 WOMS 2015: International Workshop on Organic Matter Spectroscopy Sopot, Poland

August 14-17 2012 NASA Astrobiology: Exobiology and Evolutionary Biology (EXO) Panel, Washington, D.C., USA

PUBLICATIONS

D'Andrilli, J., Foreman, C.M., Priscu, J.P., Sigl, M., and J.R. McConnell. "A 21,000 year record of organic matter quality in the WAIS Divide ice core,"
Submitted to Climate of Past: In Review

D'Andrilli, J., Smith, H.J., Dieser, M., and Foreman, C.M. "Climate driven carbon and microbial signatures through the last ice age,"
Submitted to Geochemical Perspective Letters: In Review

Joyce, R., Lavender, H., Farrar, J., Werth, J.T., Weber, C.F., D'Andrilli, J., Vaitilingom, M., and Christner, B. "Biological ice nucleating particles in precipitation correlate to storm type, air mass history, precipitation chemistry, and bacterial composition,"
Submitted to ISME: In Review

Smith, H.J., D'Andrilli, J., Tigges, M., Parker, A., Bothner, B., and Foreman, C.M., "Supraglacial dissolved organic matter: a labile but unsustainable carbon source,"
Invited to submit to ASLO Letters special issue: Carbon processing

D'Andrilli, J. Smith, H.J., Junker, J.R., Scholl, E.A., and Foreman, C.M. "Regulations on carbon processing in fluvial systems: An interdisciplinary framework to elucidate microbial and DOM composition interactions,"

In preparation for submission to Limnology & Oceanography

D'Andrilli, J., Cooper, W.T., Foreman, C.M., and Marshall, A.G. An ultrahigh resolution mass spectrometry index to estimate natural organic matter lability, *Rapid Communications in Mass Spectrometry*, **2015**, 29: 2385-2401.

D'Andrilli, J., Foreman, C.M., Marshall, A.G., and D.M. McKnight. Characterization of IHSS Pony Lake fulvic acid dissolved organic matter from Fourier transform ion cyclotron resonance mass spectrometry and fluorescence spectroscopy, *Organic Geochemistry*, **2013,** 65: 19-28.

Gonsior, M., Peake, B.M., Cooper, W.T., Podgorski, D.C., D'Andrilli, J., Dittmar, T., and W.J. Cooper. Characterization of dissolved organic matter across the Subtropical Convergence off the South Island, New Zealand, *Marine Chemistry* **2011**, 123:99-110.

D'Andrilli, J., Chanton, J.P., P.H. Glaser, and W.T. Cooper. Characterization of Dissolved Organic Matter in Northern Peatland Soil Porewaters Using Ultrahigh Resolution Mass Spectrometry, *Organic Geochemistry* **2010**, 41:791-799.

D'Andrilli, J., Dittmar, T., Koch, B.P., Purcell, J.M., Marshall, A.G. and W.T. Cooper, Comprehensive Characterization of Marine Dissolved Organic Matter by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry with Electrospray and Atmospheric Pressure Photoionization, *Rapid Communications in Mass Spectrometry* **2010**, *24* (5), 643-650.

Tfaily, M., D'Andrilli, J., Corbett, E., Chanton, J.P. and W.T. Cooper. Molecular Characterization of Dissolved Organic Matter (DOM) in Northern Peatlands; Identifying the Chemical Signatures of Climate Change, *Geochim.Cosmochim. Acta*, **2010**, 74(12), A1038-A1038.

Gonsior, M., Peake, B.M., Cooper, W.T., Podgorski, D., J. D'Andrilli**,** and W.J. Cooper. Photochemically Induced Changed in Dissolved Organic Matter Identified by Ultrahigh Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry, *Environmental Science & Technology* **2009**, *43*(3):698–703.

SCIENTIFIC SERVICE

Refereed Journals:
Biogeochemistry
Frontiers in Marine Science
Limnology & Oceanography
Nature Geoscience
Polar Record

Refereed Proposal Agencies:
National Science Foundation
NASA

CURRENT COLLABORATIONS

Jan 2017-Present Norwegian Polar Institute and the Arctic University of Norway, Tromsø, Norway: Dr. Alexey Pavlov, Dr. Anna Silyakova, Dr. Friederike Gründger, Dr. Mats Granskog, and Fatih Muhammed
Surveying DOM molecular composition analyses, characterization, and changes with methane flares by FT-ICR MS off of the Vestnesa ridge, Svalbard
Responsible for designing the experiments, mentoring graduate students, conducting FT-ICR MS analyses and interpretation, and proposal preparation

2016-Present	Northern Research Station, Minnesota, USA: Dr. Stephen Sebestyen Carbon controls in source variation and landscape processes affecting the flow of water and solutes in forested catchments Responsible for molecular composition analyses of stream reaches affected by high carbon production in forests and proposal preparation
2016-Present	Montana State University, Bozeman, Montana, USA: Dr. Rick Engel and Carlos Romero Agricultural soil decadal study of humification with cropping system and depth, Montana Responsible for fluorescent characterization of water-soluble extracted organic matter, FT-ICR MS molecular composition experiments of permanganate oxidation reactions, mentoring graduate students, preparing presentations, and publication preparation
2016-Present	Montana State University, Bozeman, Montana, USA: Dr. Tim McDermott Methylphosphonate production and organic matter interactions in the Yellowstone Lake upper 20m depths, Montana Responsible for fluorescent characterization and molecular composition analysis (FT-ICR MS) of dissolved organic material, group meeting presentations, and proposal preparation
2015-Present	Montana State University, Bozeman, Montana, USA: Dr. Rob Payn, and Meryl Storb Stream metabolism of the West Fork of the Gallatin River, Big Sky, Montana Responsible for experimental design, sample collection, graduate and undergraduate student mentorship, group meeting discussions, fluorescent characterization of stream DOM and PARAFAC modeling, FT-ICR MS experimentation and interpretation, and conference presentation, proposal, and publication preparation
2015-Present	University of Montana, Missoula, Montana, USA: Dr. H. Maury Valett, Dr. Marc Peipoch, and Bonnie M. Holzworth Soil extracted organic matter characterization and concentration of the Upper Clark Fork River restored sediments Responsible for organic matter concentration analysis, fluorescent characterization of soil extracted organic matter, PARAFAC modeling of the EEMs data, and publication preparation
2014-Present	Montana State University, Bozeman, Montana, USA: Dr. Brian Bothner, Dr. Michelle Tigges, Dr. Christine M. Foreman, and Dr. Heidi J. Smith Organic matter characterization and processing of Cotton Glacier, Pony Lake and Suwannee River carbon sources by *Janthinobacterium Sp.* Strain CG3 (Antarctica)

Responsible for graduate student mentoring, molecular level organic matter characterization by FT-ICR MS, and publication contributions

2013-Present Montana State University, Bozeman, Montana, USA: Jim R. Junker, Eric A. Scholl, and Dr. Heidi J. Smith
Organic matter decomposition in a Montana Stream
Responsible for sample collection, experimental design, organic matter characterization at the bulk and molecular level, and conference presentation and publication preparation

2013-Present University of Florida, Gainesville, Florida, USA: Dr. Brent Christner, Rachel Joyce, and Rachel Kohn
Biology and Organic Matter Characterization of Southeastern Rain Events (Louisiana) and the Upper Freemont Glacier (Wyoming), USA
Responsible for graduate student mentoring, fluorescence spectroscopy experiments, organic matter concentration measurements, data processing, and publication contributions

2011-Present Montana State University, Bozeman, Montana, USA: Dr. John C. Priscu and group members
Arctic and Antarctic biogeochemical partitioning of liquid to frozen lakes
Responsible for experimental design, organic matter concentration and fluorescence measurements, data analysis, and publication contributions

2011-Present The Ohio State University, Ohio, USA: Dr. Yu-Ping Chin and Dr. Maya Wei-Haas
University of Colorado and INSTAAR Boulder, Colorado, USA: Dr. Diane M. McKnight
National Ecologial Observatory Network, Boulder, Colorado, USA: Dr. Michael SanClements
Cotton Glacier Supraglacial Stream and Canada Stream, Antarctica
Responsible for graduate student mentoring, experiments with FT-ICR MS, data processing, and publication contributions

2010-Present Desert Research Institute, Reno, Nevada, USA: Dr. Joe R. McConnell
West Antarctic Ice Sheet Divide Project and Arctic Ice core Projects
Responsible for ice core melting, data collection, fluorescence spectroscopy, interpretation, and publication contributions

FIELD EXPERIENCE

2015 and 2016 May -November Big Sky Stream Ecosystem Metabolism Project, Big Sky, Montana, USA
Collaborative research project with Rob Payn and Meryl Storb
Responsible for instrument deployment, sample collection, on-site outreach, and photography

2014 Glacier National Park Sample Collection, Grinnell Glacier, Montana, USA

August & October	Responsible for sampling design and frozen, meltwater, and downstream lake water sample collection
2013 **November**	Sourdough stream and riparian vegetation litter collection, Bozeman, Montana, USA Responsible for sampling design and collection
September	Yellowstone National Park Sample Collection, Yellowstone River, Wyoming, USA Responsible for sampling design, and river water sample collection
June 19	Bridger Mountain Wetland Planting, Montana, USA Organizer: Anne Camper, Otto Stein, and Christopher Allen Responsible for planting *Carex* and *Schoenoplectus* wetland plants and photography
2008 **Feb. 4 – March 19**	CLIVAR Repeat Hydrography Cruise - Ocean Section: I6S R/V Roger Revelle, Captain David Murline Chief Scientist: Kevin Speer / Co-chief Scientist: Thorsten Dittmar Research Scientist under Esa Peltola and Rik Wanninkhof NOAA/AOML Miami, Florida, USA Responsible for: rosette sample collection, dissolved inorganic carbon analysis, pCO_2 measurements, and instrumental calibrations Mastered Dissolved Inorganic Carbon Extractor (DICE) techniques DICE = modernized SOMMA system built by Esa Peltola and Denis Pierrot (NOAA/AOML), and Dana Greely (NOAA/PMEL)
2007 **August 12-18**	Glacial Lake Agassiz Peatlands of Northern Minnesota, USA Organizer: Paul H. Glaser (University of Minnesota) National Science Foundation Grant # EAR 0628349 Research Scientist under Jeffrey P. Chanton (FSU Oceanography) Responsible for: sample collection, filtration, acidification, and photography

TEACHING EXPERIENCE

March 2013 **& March 2014**	Guest Lecturer Biochemical Applications of Mass Spectrometry Montana State University Lecture title: Characterization of Dissolved Organic Matter by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry (FT-ICR MS)
Jan-April 2014	Teaching Assistant for General Chemistry Lab Montana State University
2004-2007	Teaching Assistant for General Chemistry Lab and Introduction to General Chemistry Lab Florida State University

2001-2003 Teaching Assistant for Analytical and Physical Chemistry Labs
Mary Washington College

PRESENTATIONS

D'Andrilli, J., "Carbon controls aquatic ecosystems: characterization of organic matter in a changing climate", , Natural Resources and Environmental Management Seminar Series invited speaker, University of Hawaii, Manoa, Hawaii, February 22, 2017.

D'Andrilli, J., Smith, H.J., Junker, J.R., Scholl, E.A., and Foreman, C.M. "Freshwater processing of terrestrial dissolved organic matter: What governs lability?", American Geophysical Union, San Francisco, California, December 11-16, 2016.

D'Andrilli, J., "Carbon controls in frozen and aquatic ecosystems: Fluorescent and molecular characterization of organic matter in a changing climate", Institute on Ecosystems invited speaker, Rough Cut Seminar Series, Montana State University, Bozeman, Montana, November 2, 2016.

D'Andrilli, J., Junker, J.R., Scholl, E.A., Smith, H.J., and Foreman, C.M. "Integrating chemistry, microbiology, and ecosystem ecology to discern the nature and fate of dissolved organic matter in streams", Society for Freshwater Science, Sacramento, California, May 22-26, 2016.

Smith, H.J., Wei-Haas, M., SanClements, M., D'Andrilli, J., Foreman, C.M., Chin, Y-P., and McKnight, D.M. "Transformations in autochthonous DOM: an Antarctic Supraglacial case study", International Workshop on Organic Matter Spectroscopy, Sopot, Poland, September 22-25, 2015.

D'Andrilli, J., Smith, H.J., and Foreman, C.M. "Antarctic Ice-locked Reservoirs of Organic Matter: Probing the bulk and molecular level chemical nature of organic matter by fluorescence spectroscopy and mass spectrometry", American Chemical Society Meeting, Denver, Colorado, March 22-26, 2015.

Smith, H.J., Wei-Haas, M., SanClements, M., D'Andrilli, J., Foreman, C.M., Chin, Y-P., and McKnight, D.M. "Transformations in autochthonous DOM: an Antarctic Supraglacial case study", American Chemical Society Meeting, Denver, Colorado, March 22-26, 2015.

D'Andrilli, J., Foreman, C.M., Marshall, A.G., McKnight, D.M. "Characterization of IHSS Pony Lake Fulvic Acid DOM by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry and Fluorescence Spectroscopy", Joint Aquatic Sciences Meeting, Portland, Oregon, May 19-23, 2014.

Foreman, C.M., D'Andrilli, J., Smith, H.J. "West Antarctic Ice Sheet (WAIS) Divide Ice Core: A Microbially Derived Reservoir of Glacial Organic Matter", Join Aquatic Sciences Meeting, Portland, Oregon, May 19-23, 2014.

D'Andrilli, J., Foreman, C.M., Sigl, M., J.R. McConnell and J.C. Priscu. "WAIS Divide Ice Core: A Microbially Derived Reservoir of Organic Carbon", WAIS Divide Meeting, San Diego, California, September 23-25, 2013.

Cooper, W.T., Tfaily, M.M., D'Andrilli, J., Podgorski, D.C., J.E. Corbett and J.P. Chanton. "Correlating Molecular Composition and Optical Properties of Dissolved Organic Matter", Meeting of the International Humic Substances Society, Tenerife, Spain, June 28-July 2, 2010.

Tfaily, M.M., D'Andrilli, J., Corbett, J.E., J.P. Chanton and W.T. Cooper. "Molecular

Characterization of Dissolved Organic Matter (DOM) in Northern Peatlands: Identifying the Chemical Signatures of Climate Change", Goldschmidt Conference, Knoxville, Tennessee, June 13-18, 2010.

Cooper, W.T., D'Andrilli, J., Podjorski, D.C., J.P. Chanton and A. Zimmerman. "Ultrahigh Resolution Mass Spectrometry of Soil Porewater DOM", Goldschmidt Conference, Davos, Switzerland, June 21-26, 2009.

Glaser, P.H., Rosenberry, D.O., Reeve, A.S., Siegel, D.I., Chanton, J.P., Slater, L.D., Comas, X., Rhoades, J.M., Allen, L., Corbett, J.E, D'Andrilli, J., Tfilany, M.I., Parsekian, A., Nolan, J., Sarkar, M., Gracz, M., Morin, P.J. "The Red Lake Peatland Observatory (RLPO): A multi-sensor instrument array for monitoring carbon-water dynamics in a large northern peatland", Fall Meeting of the American Geophysical Union, San Francisco, CA December 13-18, 2009.

D'Andrilli, J., Chanton, J.P. and Cooper, W.T. "Characterization of Dissolved Organic Matter in Northern Peatland Soil Porewaters by Ultrahigh Resolution Mass Spectrometry", Florida Meeting and Exposition (FAME), Orlando, FL, May 14-16, 2009.

Dittmar, T., Koch, B.P., D'Andrilli, J., Kattner, G. and Cooper, W.T. "The Dynamic and molecular structure of Dissolved Organic Matter in Ice-Covered Oceans", American Society of Limnology and Oceanography (ASLO) Aquatic Sciences Meeting, Santa Fe, New Mexico, February 4-9, 2007.

D'Andrilli, J. and Giancarlo, L. "Scanning Tunneling Microscopy (STM): The Secrets Behind the Microscope", University of Mary Washington Summer Research Science Symposium, Fredericksburg, VA, July 2002.

POSTERS

D'Andrilli, J., Storb, M.B., Payn, R.A. "Exploring spatiotemporal regimes of stream DOM composition in a montane, urbanizing watershed, Montana, USA", Association for the Sciences of Limnology and Oceanography, Honolulu, HI, February 26-March 3, 2017.

Storb, M.B., D'Andrilli, J., and Payn, R.A. "Understanding human influence on a stream network ecosystem through analysis of patterns of metabolic regimes in stream water", Montana American Water Resources Association, Anaconda, MT, October 12-14, 2016.

Joyce, R., Lavender, H., Farrar, J., D'Andrilli, J., Vaitilingom, M., Werth, J., Weber, C, and Christner, B. "Influence of storm origin and type on biological ice nucleation activity in Louisiana precipitation", American Association for Aerosol Research, Minneapolis, MN, October 12-16, 2015.

D'Andrilli, J., Smith, H.J., and Foreman, C.M. "Bulk and Molecular Level Characterization of Organic Matter in Glacial Ice", International Workshop on Organic Matter Spectroscopy, Sopot, Poland, September 22-25, 2015.

Smith, H.J., D'Andrilli, J., Junker, J.R., Scholl, E., Foreman, C.M. "Riverine dissolved organic matter decomposition and dynamics", Montana Academy of Sciences, Butte, MT, April 10-12, 2015.

D'Andrilli, J., Foreman, C., Sigl, M., McConnell, J., Priscu, J. "West Antarctic Ice Sheet (WAIS) Divide Ice Core: A microbially derived reservoir of organic carbon", Polar & Alpine Microbiology, Big Sky, MT, September 8-12, 2013.

Michaud, A., Snatibanez, P., Vick-Majors, T., Dore, J., Chiucholo, A., D'Andrilli, J., Priscu, J. "Biogeochemical partitioning between the liquid water and ice phases during freeze-down in Antarctic and Arctic Lakes", Polar & Alpine Microbiology, Big Sky, MT,

September 8-12, 2013.

D'Andrilli, J., Foreman, C., Sigl, M., McConnell, J., Priscu, J. "Dissolved Organic Matter (DOM) in the WAIS Divide Ice Core", SCAR Meeting, Portland, OR, July 16-19, 2012.

Wei-Haas, M., SanClements, M., Smith, H.J., D'Andrilli, J., Foreman, C.M., McKnight, D.M., and Y-P. Chin. "Transformation of Supraglacial Dissolved Organic Carbon from the Cotton Glacier, Antarctica", ASLO Open Science Meeting, Salt Lake City, UT 19-24 February 2012.

D'Andrilli, J., Foreman, C., McConnell, J., Priscu, J. "Dissolved Organic Matter (DOM) in the WAIS Divide Ice Core", WAIS Divide Meeting, San Diego, CA, September 29-30, 2011.

D'Andrilli, J., Dittmar, T., Koch, B.P., Purcell, J.M., Marshall, A.G., Cooper, W.T. "Comprehensive Characterization of Marine Dissolved Organic Matter by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry with Electrospray and Atmospheric Pressure Photoionization", ASLO Ocean Sciences Meeting, Portland, OR, February 21-26, 2010.

Tfaily, M.M., D'Andrilli, J., Corbett, J.E., Chanton, J.P., Cooper, W.T. " Correlating Fluorescence and Absorption Properties of Dissolved Organic Matter in Northern Peatland Soil Porewaters with Molecular Composition Information", Fall Meeting of the American Geophysical Union, San Francisco, CA December 13-18, 2009.

D'Andrilli, J., Cooper, W.T., Podgorski, D., Magen, C., Huettel, M. and Kostka, J. "Characterization of the Effects of Microbial Processing in Gulf of Mexico Coastal Sands on the Composition of Dissolved Organic Matter Using Ultrahigh Resolution Mass Spectrometry", Fall Meeting of the American Geophysical Union, San Francisco, CA December 14-19, 2008.

Corbett, J.E., Chanton, J.P., Glaser, P.H., Burdige, D., Siegel, D.I., D'Andrilli, J. And Cooper, W.T. "Using 14C to Investigate Methane Production and DOC Reactivity in Northern Peatlands", Fall Meeting of the American Geophysical Union, San Francisco, CA December 14-19, 2008.

Cooper, W.T., D'Andrilli, J., Podgorski, D., Dittmar, T., Huettel, M., Kostka, J., Chipman, L. and Gonsior, M. "Ultrahigh Resolution Mass Spectrometry of Dissolved Organic Matter in Estuaries", National Science Foundation Workshop, St. Petersburg, FL, May 6-8, 2008.

D'Andrilli, J., Corbett, J.E., Chanton, J.P, Sarkar, M., Siegel, D.I., Glaser, P.H. and Cooper, W.T. "Field Research at the Glacial Lake Agassiz Peatlands (GLAP) of Minnesota", University of Mary Washington, Fredericksburg, VA April 11, 2008.

STUDENT RESEARCH MENTORSHIP

March 2016- Present	Committee Member for Ph.D. candidate, Carlos Romero Depts. Land Resources and Environmental Science and Ecological and Environmental Science
2016-Present	Amelia Hennessy: Undergraduate mentoring in chemistry and plant biosciences coursework and aquatic field research
2015 – 2016	Emily Hultin: Dept. Chemical and Biological Engineering Undergraduate research project: "Optical Spectroscopy of Dissolved Organic Matter in Freshwater Ecosystems"

EDUCATION AND OUTREACH

Mentor Program – Associate for the Sciences of Limnology and Oceanography, Honolulu, HI, February, 2017.

Explore Big Sky Newspaper Article: "MSU researchers study how the Gallatin River 'breathes': Doctoral candidate investigates human impact on watershed", written by Amanda Eggert September 16-19, Volume 7, Issue #19, 2016.

Mentor Program – Society for Freshwater Science Conference, Sacramento, CA, May, 2016.

Group Discussion – "Bulk and Molecular Level Characterization from Glacial Organic Matter" Robert G.M. Spencer Laboratory, Florida State University, Tallahassee, FL, November 6, 2015.

Mentor Program – Joint Aquatic Sciences Meeting, Portland, OR, May, 2014.

Environmental Classroom –East Gallatin Recreational Area: Assessing Water Chemistry and Quality. Belgrade Middle School Field Trip to the East Gallatin Recreational Area, Bozeman, MT, October 4, 2013.

D'Andrilli, J., E. Peltola and R. Wanninkhof. "I6S CLIVAR Repeat Hydrography Cruise", Pursuing Scientific Careers and Antarctic Discussion at the John G. Dinkelmeyer Elementary School, North Bellmore, NY, January 27, 2010.

International Polar Year 2008-2009 Florida State University Oceanographic Outreach: continuous website blog throughout the I6S CLIVAR Repeat Hydrography Cruise February 2 - March 16, 2008.

D'Andrilli, J., Cooper, W.T., Peltola, E. and Wanninkhof, R. "Fourier Transform Ion Cyclotron Resonance Mass Spectrometry: Characterization of Dissolved Organic Matter" and "Dissolved Inorganic Carbon: Instrumentation and Analysis", Graduate Panel Discussion at the University of Mary Washington, Fredericksburg, VA April 11, 2008.