

# Verity G. Salmon, PhD

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## EDUCATION

2011- 2016	PhD August 2016 Biology Department, University of Florida, College of Liberal Arts and Sciences
2005-2009	Bachelor of Arts Biology (magna cum laude) Boston University, College of Arts and Sciences

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## PUBLICATIONS ([orcid.org/0000-0002-2188-551X](http://orcid.org/0000-0002-2188-551X))

**Salmon VG**, Schädel C, Bracho R, Pegoraro, Celis G, Mauritz M, Mack MC, Schuur EAG. (Submitted 2017) Adding depth to our understanding of nitrogen dynamics in permafrost soils.

Plaza C, Pegoraro E, Bracho R, Celis G, Crummer KG, Hutchings JA, Hicks Pries CE, Mauritz M, Natali S, **Salmon VG**, Schädel C, Webb EE, Schuur EAG. (Submitted 2017) Rapid Changes in permafrost soil carbon pool in response to warming.

Celis G, Mauritz M, Bracho R, **Salmon VG**, Webb EE, Hutchings JA, Natali SM, Schädel C, Crummer KG, Schuur EAG. (2017) Tundra is a consistent source of CO<sub>2</sub> at a site with progressive permafrost thaw during 6 years of chamber and eddy covariance measurements. *Journal of Geophysical Research: Biogeosciences*, 122, 1471–1485.  
<http://dx.doi.org/10.1002/2016JG003671>.

Mauritz M, Bracho R, Celis G, Hutchings JA, Natali SM, Pegoraro E, **Salmon VG**, Schädel C, Webb EE, Schuur EAG. (2017) Non-linear CO<sub>2</sub> flux response to seven years of experimentally induced permafrost thaw. *Global Change Biology*.  
<https://dx.doi.org/10.1111/gcb.13661>

**Salmon VG**, Soucy P, Mauritz M, Celis G, Natali SM, Mack MC, Schuur EAG. (2016) Nitrogen availability increases in a tundra ecosystem during five years of experimental permafrost thaw. *Global Change Biology*, 22, 1927–1941.  
<https://dx.doi.org/10.1111/gcb.13204>

Deane-Coe KK, Mauritz M, Celis G, **Salmon VG**, Crummer KG, Natali SM, Schuur EAG. (2015) Experimental Warming Alters Productivity and Isotopic Signatures of Tundra Mosses. *Ecosystems*, 18, 1070–1082.  
<https://doi.org/10.1007/s10021-015-9884-7>

Natali SM, Schuur EAG, Mauritz M, Schade JD, Celis G, Crummer KG, Johnston C, Krapek J, Pegoraro E, **Salmon VG**, Webb EE. (2015) Permafrost thaw and soil moisture driving CO<sub>2</sub> and CH<sub>4</sub> release from upland tundra. *Journal of Geophysical Research: Biogeosciences*, 120, 525–537. <https://doi.org/10.1002/2014JG002872>

Shaver GR, Rastetter EB, **Salmon VG**, Street LE, van de Weg MJ, Rocha A, van Wijk MT, Williams M. (2013) Pan-Arctic modelling of net ecosystem exchange of CO<sub>2</sub>. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 368, 20120485–20120485. <https://doi.org/10.1098/rstb.2012.0485>

van de Weg MJ, Shaver GR, **Salmon VG**. (2013) Contrasting effects of long term versus short-term nitrogen addition on photosynthesis and respiration in the Arctic. *Plant Ecology*, 214, 1273–1286. <https://doi.org/10.1007/s11258-013-0250-6>

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## FELLOWSHIPS AND AWARDS

2016	Department of Energy Science Student Travel Fellowship (\$500)
2015	University of Florida, Graduate Student Council Travel Grant (\$350)
2015	University of Florida, College of Liberal Arts and Sciences Travel Grant (\$300)
2015	Department of Energy Science Student Travel Fellowship (\$500)
2014	University of Florida, College of Liberal Arts and Sciences Travel Grant (\$300)
2014	Permafrost Young Researchers Network Travel Grant (\$500)
2013	Discover Denali Research Fellowship through Denali National Park (\$6000)
2011	Graduate Student Fellowship, University of Florida (tuition & stipend)
2009	Biology Department Honors Thesis Work for Distinction, Boston University
2008-2009	Funded Research Opportunity Grants, UROP, Boston University (\$1000 total)

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## RESEARCH TOOLS & SERVICE

Proficient in R (data processing, graphing and statistics)

Experience with manipulating large, multiyear datasets for publication as well as archival

Participation in scientific meetings (AGU annual meeting, Permafrost Coordination Network)

Author of Denali National Park Factsheet on permafrost carbon research

Breakout session lead at DOE Environmental System Science meeting (April 2017)

Reviewer for *Ecology*, *Journal of Geophysical Research: Biogeosciences*, *New Phytologist*, and *Biogeochemistry*

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## SHARED DATA PRODUCTS

**Salmon VG**, Iversen CM, Vander Stel H, Breen A, Wulfschleger S. 2017. NGEE Arctic Plant Traits: Vegetation Plot Locations, Ecotypes, and Photos, Kougarak Road Mile Marker 64, Seward Peninsula, Alaska, 2016. Next Generation Ecosystem Experiments Arctic Data Collection, Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA. Data access at <http://dx.doi.org/10.5440/1346196>.

**Salmon VG**, Iversen CM, Vander Stel H, Breen A, Wulfschleger S. 2017. NGEE Arctic Plant Traits: Soil Temperature and Moisture, Kougarak Road Mile Marker 64, Seward Peninsula, Alaska, beginning 2016. Next Generation Ecosystem Experiments Arctic Data Collection, Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA. Data access at <http://dx.doi.org/10.5440/1346195>.

**Salmon VG**, Iversen CM, Breen A, Vander Stel H, Wulfschleger S. 2017. NGEE Arctic Plant Traits: Soil Depth, Kougarak Road Mile Marker 64, Seward Peninsula, Alaska, beginning 2016. Next Generation Ecosystem Experiments Arctic Data Collection, Carbon Dioxide Information Analysis Center, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA. Data access at <http://dx.doi.org/10.5440/1346198>.

**Salmon VG**, Natali S, Schuur EAG. Five years of aboveground biomass from the CiPEHR project. 2014. Bonanza Creek LTER data archives. <https://portal.lternet.edu/nis/mapbrowse?packageid=knb-lter-bnz.501.10>

**Salmon VG**, Natali S, Schuur EAG. Six years of plot level NDVI from EML Site in Healy, AK. Bonanza Creek LTER data archives. <https://portal.lternet.edu/nis/mapbrowse?packageid=knb-lter-bnz.638.2>