**Lorien L. Reynolds\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Department of Crop and Soil Sciences

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Phone: (541) 737-4100

**Education\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2005 B.S., Environmental Biology, Humboldt State University, Arcata, CA 95521

2016 Ph.D., Biology, Institute for Ecology and Evolution, University of Oregon, Eugene, OR 97403

**Teaching experience\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Instructional Summary**

2009-2016 Graduate Teaching Fellow. University of Oregon Institute of Ecology and Evolutionary Biology. 12 terms. Enrolled: 25-50.

Summer 2016 Bi 211 General Biology I: Cells. University of Oregon. Enrolled: 50.

Fall 2016 Teaching Assistant. Ecampus. SUS 102 Introduction to Environmental Science and Sustainability. Oregon State University. Responsible for enrolled: 50.

Winter 2017 SUS 102 Introduction to Environmental Science and Sustainability. Oregon State University. Enrolled: 101.

Co-instructor. Ecampus. SUS 102 Introduction to Environmental Science and Sustainability. Oregon State University. Responsible for enrolled: 50.

Spring 2017 SUS 102 Introduction to Environmental Science and Sustainability. Ecampus. Oregon State University. Enrolled: 77.

SUS 102 Introduction to Environmental Science and Sustainability. Oregon State University. Enrolled: 178.

Summer 2017 SUS 102 Introduction to Environmental Science and Sustainability. Ecampus. Oregon State University. Enrolled: 107.

Fall 2017 SUS 102 Introduction to Environmental Science and Sustainability. Ecampus. Oregon State University. Enrolled: 55.

Winter 2018 SUS 102 Introduction to Environmental Science and Sustainability. Ecampus. Oregon State University. Enrolled: 73.

SUS 102 Introduction to Environmental Science and Sustainability. Oregon State University. Enrolled: 209.

Spring 2018 SUS 102 Introduction to Environmental Science and Sustainability. Oregon State University. Enrolled: 208.

Summer 2018 SUS 102 Introduction to Environmental Science and Sustainability. Ecampus. Oregon State University. Enrolled: 110.

Fall 2018 SUS 102 Introduction to Environmental Science and Sustainability. Ecampus. Oregon State University. Enrolled: 110.

Winter 2019 SUS 102 Introduction to Environmental Science and Sustainability. Ecampus. Oregon State University. Enrolled: 110.

SUS 102 Introduction to Environmental Science and Sustainability. Oregon State University. Enrolled: 208.

Spring 2019 SUS 102 Introduction to Environmental Science and Sustainability. Ecampus. Oregon State University. Enrolled: 125.

SUS 102 Introduction to Environmental Science and Sustainability. Oregon State University. Enrolled: 208.

**Peer Teaching Evaluations**

Winter 2017 -- SUS 102 Introduction to Environmental Science and Sustainability. Evaluator: Kate Lajtha. Date: January 31st, 2017.

**Scholarship and Creative Activity\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Educational Scholarship Publication**

Reynolds, L. (2017). Planetary Boundaries, in Reference Module in Earth Systems and Environmental Sciences, Elsevier.

**Peer-Reviewed Publications**

Pfeifer-Meister, L., S.D. Bridgham, C.J. Little, **L.L. Reynolds**, M.E. Goklany, and B.R. Johnson. 2013. Pushing the limit: experimental evidence of climate effects on plant range distributions. Ecology 94(10):2131-2137. Role: I collected data and commented on the manuscript.

**Reynolds, L.L.**, Johnson, B.R., Pfeifer‐Meister, L., and Bridgham, S.D. 2015. Soil respiration response to climate change in Pacific Northwest prairies is mediated by a regional Mediterranean climate gradient. Global change biology 21: 487-500. Role: I collected the data and wrote the manuscript.

Pfeifer‐Meister, L., S. D. Bridgham, **L. L. Reynolds**, M. E. Goklany, H. E. Wilson, C. J. Little, A. Ferguson, and B. R. Johnson. 2015. Climate change alters plant biogeography in Mediterranean prairies along the West Coast, USA. *Global change biology*, doi: 10.1111/gcb.13052. Role: I collected data and commented on the manuscript.

Carey, J. C., J. Tang, P. H. Templer, K. D. Kroeger, T. W. Crowther, A. J. Burton, J. S. Dukes, B. Emmett, S. D. Frey, M. A. Heskel, L. Jiang, M. B. Machmuller, J. Mohan, A. M. Panetta, P. B. Reich, S. Reinsch, X. Wang, S. D. Allison, C. Bamminger, S. Bridgham, S. L. Collins, G. de Dato, W. C. Eddy, B. J. Enquist, M. Estiarte, J. Harte, A. Henderson, B. R. Johnson, K. S. Larsen, Y. Luo, S. Marhan, J. M. Melillo, J. Peñuelas, L. Pfeifer-Meister, C. Poll, E. Rastetter, A. B. Reinmann, **L. L. Reynolds**, I. K. Schmidt, G. R. Shaver, A. L. Strong, V. Suseela, and A. Tietema. 2016. Temperature response of soil respiration largely unaltered with experimental warming. Proceedings of the National Academy of Sciences 113:13797–13802. Role: Contributed data and commented on manuscript.

Crowther, T., K. Todd-Brown, C. Rowe, W. Wieder, J. Carey, M. Machmuller, L. Snoek, S. Fang, G. Zhou, S. Allison, J. Blair, S. Bridgham, A. Burton, Y. Carrillo, P. Reich, J. Clark, A. Classen, F. Dijkstra, B. Elberling, B. Emmett, M. Estiarte, S. Frey, J. Guo, J. Harte, L. Jiang, B. Johnson, G. Kröel-Dulay, K. Larsen, H. Laudon, J. Lavallee, Y. Luo, M. Lupascu, L. Ma, S. Marhan, A. Michelsen, J. Mohan, S. Niu, E. Pendall, J. Penuelas, L. Pfeifer-Meister, C. Poll, S. Reinsch, **L. Reynolds**, I. Schmidth, S. Sistla, N. Sokol, P. Templer, K. Treseder, J. Welker, and M. Bradford. 2016. Quantifying global soil C losses in response to warming. Nature 104:104–108. Role: Contributed data and commented on manuscript.

**Reynolds, L. L**., Lajtha, K., Bowden, R. D., Johnson, B. R., & Bridgham, S. D. (2017). The carbon quality-temperature hypothesis does not consistently predict temperature sensitivity of soil organic matter mineralization in soils from two manipulative ecosystem experiments. *Biogeochemistry*, *136*(3), 249-260. Role: I researched, analyzed, and wrote the manuscript.

**Reynolds**, Lorien L., et al. (2018). The Path From Litter to Soil: Insights Into Soil C Cycling From Long‐Term Input Manipulation and High‐Resolution Mass Spectrometry. *Journal of Geophysical Research: Biogeosciences* 123.5, 1486-1497. Role: I researched, analyzed, and wrote the manuscript.

**Conference Presentations and Posters**

Bridgham, S., B. Johnson, T. Tomaszewski, L. Pfeifer-Meister, M. Goklany, **L. Reynolds**, and H. Wilson. **Poster:** Temperature and Precipitation Effects on Plant Range Distributions, Community Structure, and Ecosystem Function across a Natural Climate Gradient in Prairie Ecosystems. Invited participant in workshop on How Do We Improve Earth System Models: Integrating Earth System Models, Ecosystem Models, Experiments and Long-Term Data, organized by Integrated Network for Terrestrial Ecosystem Research on Feedbacks to the Atmosphere and Climate (INTERFACE), Captiva Island, Florida. February 28 –March 3, 2011.

Bridgham S., B. Johnson., L. Pfeifer-Meister, T. Tomaszewski, **L. Reynolds**, and M. Goklany. **Poster:** How will climate change affect the range distributions of native prairie plants and the viability of restored prairies in the Pacific Northwest? 2nd Annual Pacific NW Climate Science Conference, University of Washington, Seattle, WA, September 13-14, 2011.

**Reynolds, L.**, L. Pfeifer-Meister, T. Tomaszewski, B. Johnson, and S. Bridgham. **Poster:** The response of soil respiration to simulated climate change along a latitudinal climate gradient in Pacific Northwest Prairies. 2nd Annual Pacific NW Climate Science Conference, University of Washington, Seattle, WA. September 13-14, 2011.

**Reynolds, L.**, L. Pfeifer-Meister, T. Tomaszewski, B. Johnson, and S. Bridgham. **Poster:** Response of soil efflux to experimental warming and precipitation intensity depends upon latitudinal climate gradient in Pacific Northwest grasslands. Terrestrial Ecosystem Sciences PI Meeting. Washington D.C. April 22-26, 2012.

**Reynolds, L.**, L. Pfeifer-Meister, T. Tomaszewski, B. Johnson, and S. Bridgham. **Presentation:** Response of soil respiration to experimental warming and precipitation intensity depends upon a latitudinal climate gradient in Pacific Northwest grasslands. University of Oregon Climate Symposium Eugene, Oregon. July, 2012.

**Reynolds, L.**, L. Pfeifer-Meister, T. Tomaszewski, B. Johnson, and S. Bridgham. **Presentation:** Response of soil efflux to warming depends upon latitudinal climate gradient in Pacific Northwest Grasslands. Ecological Society of America Portland, Oregon. August, 2012.

**Reynolds, L.**, K. Lajtha, R. Bowden, B. Johnson, and S. Bridgham. **Poster:** The DIRT on Q10: Differential temperature response of soils depleted of labile inputs. LTER All Scientists Meeting Estes Park, Colorado.September, 2012.

**Reynolds, L.**, K. Lajtha, R. Bowden, B. Johnson, and S. Bridgham. **Poster:** The DIRT on Q10: Differential temperature response of soils depleted of labile inputs. SOM5: 5th International Workshop on Soil and Sedimentary Organic Matter Stabilization and Destabilization. Monte Verita, Ascona, Lago Maggiore, Switzerland. October, 2012.

**Reynolds, L.**, K. Lajtha, R. Bowden, B. Johnson, and S. Bridgham. **Presentation:** The DIRT on Q10: *In-situ* depletion of labile substrates does not increase temperature sensitivity in a laboratory incubation. AGU Fall Meeting San Francisco, CA. December, 2013.

**Reynolds, L**., M. Tfaily, K. Roscioli, K. Lajtha, R. D. Bowden, B. Johnson, and S. Bridgham. **Presentation**: Linking SOM content, chemistry, decomposition: Complex responses to input manipulation and long-term incubation. AGU Fall Meeting, San Francisco, CA. December, 2014. Presented by S. Bridgham.

**Reynolds, L**., L. Pfeifer-Meister, B. R. Johnson, and S. D. Bridgham. **Presentation**: Ecosystem responses to experimental warming and wetting across a Mediterranean climate gradient in the Pacific Northwest prairies. Ecological Society of America Portland, Oregon. August, 2017.

**Awards**

2014 Hill Fund Award for Outstanding First Year Biology Instruction