

David F. Porinchu
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EDUCATION

- Ph.D. 2002. Geography, with distinction, University of California, Los Angeles.
Dissertation: *A Paleolimnological Investigation of Recent and Late Glacial-Early Holocene Changes in Climate in the Sierra Nevada, California USA.*
- M.Sc. 1997. Biology, University of New Brunswick, Fredericton, New Brunswick.
Thesis: *A Chironomid-Inferred Late-Quaternary Climate Reconstruction of the Lower Lena River Region, Siberia.*
- B.Sc. 1995. Geography and Environmental Science (minor: Ecology), *Summa Cum Laude*,
McMaster University, Hamilton, Ontario.
Thesis: *Recycling and Landfill Reclamation.*

APPOINTMENTS

- 2011 – Associate Professor, Geography, University of Georgia
- 2010 – 2011 Associate Professor, Geography, The Ohio State University
- 2004 – 2010 Assistant Professor, Geography, The Ohio State University
- 2004 Visiting Assistant Professor, Earth Sciences, University of Waterloo
- 2003 – 2004 Assistant Professor, Geography, California State University, Long Beach
- 2002 – 2003 Post-Doctoral Appointment, Geography, University of California, Los Angeles
- 1997 Research Associate, Biology, University of New Brunswick

AWARDS AND HONORS

- 2014 University of Georgia Provost Summer Research Award
- 2013 University of Georgia SEC Visiting Faculty Travel Grant
- 2003 Selected for Dissertation Initiative for the Advancement of Climate Change Research Symposium (DISCCRS), National Science Foundation
- 2001 Dissertation Year Fellowship, Graduate Division, University of California, Los Angeles

RESEARCH GRANTS AND CONTRACTS

Under Review

- 2017-2019 Great Basin Natural Heritage Area Partnership: Fire, Forests and Climate Change in Great Basin National Park: Insights from geochemical analyses of meadow sediment cores. D.F. Porinchu (co-PI) with S. Reinemann, B. Mark, J. DeGrand (co-PIs).
- 2017-2018 National Geographic Committee for Research and Exploration: High-Resolution Records of Climate and Environmental Change in the Colorado Rockies during the Late Quaternary: An Analogue for a Warm Future"

Awarded

- 2016-2018 National Science Foundation: Doctoral Dissertation Research: Climate and Environmental Change in the Colorado Rocky Mountains During the Late Quaternary: An Analogue for a Warm Future. D.F. Porinchu (PI) with D. Haskett (co-PI).
- 2016-2018 Department of the Interior: Benthic Invertebrate Response to Climate and Environmental Change in the Colorado Rocky Mountains during the Recent Past and the Holocene. D.F. Porinchu (PI)
- 2016-2017 Western National Park Association (WPNA): Meadow and lake-sediment based reconstructions of Holocene fire histories for sub-alpine and montane ecosystems in Great Basin National Park. D.F. Porinchu (co-PI) with S. Reinemann, B. Mark (co-PIs).
- 2012-2013 Department of the Interior: Paleoenvironmental Reconstruction of late Quaternary Conditions at Zeigler Reservoir, Snowmass Village, Colorado. D.F. Porinchu (PI).
- 2011-2013 Denver Museum of Nature and Science: Climate change and Pleistocene Megafauna Dynamics: A Case Study - Snowmass, CO. D.F. Porinchu (PI).
- 2011-2013 National Science Foundation: Doctoral Dissertation Research: Holocene Climate and Environmental Change in the Great Basin of the Western United States: A Paleolimnological Approach. D.F. Porinchu (PI) with S. Reinemann (co-PI).
- 2010-2012 Western National Park Association (WPNA): Recent and Historical Influence of Anthropogenic Activities in Great Basin National Park: Evidence from Lake Sediment and Water Geochemistry. D.F. Porinchu (co-PI) with J. Box (co-PI) and B. Mark (co-PI).
- 2009-2010 Climate, Water and Carbon Program, The Ohio State University: Assessing mid-Holocene Aridity in the midwestern United States: A Field-based Approach Incorporating Regional Climate Model Output. D.F. Porinchu (PI).
- 2006-2007 Western National Park Association (WPNA): Contemporary Climate History and Climate Change Impacts in Great Basin National Park. D.F. Porinchu (co-PI) with J. Box (co-PI) and B. Mark (co-PI).
- 2005-2009 National Science Foundation (NSF 04-587-0455089): A Synthesis of the Last 2000 Years of Climatic Variability from Arctic Lakes. D.F. Porinchu (PI).
- 2005-2006 American Philosophical Society: Reconstructing Late-glacial Climates in Ohio: Testing Climate Model Output. D.F. Porinchu (PI).

- 2004-2008 National Science Foundation (NSF 02-191-0402664): High-Resolution Quantitative Reconstructions of Holocene Climatic Changes and their Impacts on Environment and People in the Central Canadian Arctic. D.F. Porinchu (PI) with G. MacDonald (co-PI) and K. Moser (co-PI).
- 2004-2008 National Science Foundation (NSF 02-191-0402504): High-Resolution Records of Holocene Climate Change, Drought Variability and Monsoon Behavior from the Uinta Mountains in Utah. D.F. Porinchu (PI).
- 2001-2002 National Science Foundation Doctoral Dissertation Improvement Grant (NSF 0135748): High-resolution Time Series of Eastern Sierra California Over the Late Quaternary. G.M. MacDonald (PI) and D.F. Porinchu (co-PI).
- 2000-2001 Geological Society of America Graduate Student Research Award: High Resolution Time Series of California Climate Over the Last 12,000 years: Testing the Influence of the North Atlantic and North Pacific. D.F. Porinchu (PI).

PEER-REVIEWED PUBLICATIONS (* denotes student co-author, ^ post-doctoral co-author)
Under Review

Porinchu, D.F., *Haskett, D., Reinemann, S. Biostratigraphic Evidence of Human Modification of High Elevation Aquatic Ecosystems in the Intermountain West of the United States. *Submitted to the Anthropocene*.

Published

- 2017 **Porinchu, D.F.** “Global Climate Change”. In, *The International Encyclopedia of Geography: People, the Earth, Environment, and Technology*. Ed. D. Richardson. Wiley-Blackwell. NY. (Note: Encyclopedia Entry)
- 2016 MacDonald, G.M., Bloom, A.M., Potito, A.P., **Porinchu, D.F.**, Moser, K.A., Holmquist, J., Hughes, J., Kremenetski, K. Persistent relationship between climate warming, Pacific sea surface temperatures, and California aridity over the Holocene. *Nature Scientific Reports* DOI:10.1038/srep33325
- *Wu, J., **Porinchu, D.F.**, Horn, S.P. A chironomid-based reconstruction of late Holocene climate and environmental change for southern Pacific Costa Rica. *The Holocene*. DOI: 10.1177/0959683616652702
- 2015 Fortin, M-C., Medeiros, A., Gajewski, K., Barley, E., Larocque-Tobler, I., **Porinchu, D.F.**, Wilson, S. Chironomid-environment relations in northern North America: a larger modern analogue for quantitative temperature reconstructions. *Journal of Paleolimnology*: DOI: 10.1007/s10933-015-9848-0.
- Medeiros, A., Gajewski, K., **Porinchu, D.F.**, Vermaire, J., Wolfe, B.B. The influence of secondary environmental gradients on chironomid-inferred paleotemperature reconstructions in northern North America. *Quaternary Science Reviews* 124: 265-274.
- *Wu, J., **Porinchu, D.F.**, Horn, S.P., Hayberan, K. A. The modern distribution of chironomid sub-fossils (Insecta: Diptera) in Costa Rica and their potential as a paleotemperature proxy *Hydrobiologia* 742:107–127.
- 2014 Miller, I.M., Pigati, J.S., Anderson, R.S., Johnson, K.R., Ager, T.A., Baker, R.G., Blaauw, M.,

Bright, J., Brown, P.M., Bryant, B., Calamari, Z.T., Carrara, P.E., Cherney, M.D.8, Davis, E.B., Demboski, J.R., Elias, S.A., Fisher, D.C., Graham, R.W., Gray, H.J., *Haskett, D.R., Honke, J.S., Jackson, S.T., Jiménez-Moreno, G., Kline, D., Leonard, E.M., Lifton, N.A., Lucking, C., Mahan, S.A., McDonald, H.G., McHorse, B.K., Miller, D.M., Muhs, D.R., Nash, S.E., Newton, C., Paces, J.B., Petrie, L., Plummer, M.A., **Porincho, D.F.**, Rountrey, A.N., Scott, E., Sertich, J.W., Sharpe, S.E., Skipp, G.L., Strickland, L.E., Stucky, R.K., Thompson, R.S., Wilson, J. A high-elevation, multi-proxy biotic and environmental record of MIS 6-4 from the southern Rocky Mountains, Colorado, USA. *Quaternary Research* 82: 618-634.

*Reinemann, S., **Porincho, D.F.**, Gustin, M.S., Mark, B.G. Historical trends of mercury and spheroidal carbonaceous particle deposition in sub-alpine lakes in the Great Basin, United States. *Journal of Paleolimnology* 52: 405-418.

Anderson, R.S., Jiménez-Moreno, G., Ager, T., **Porincho, D.F.** High-elevation paleoenvironmental change during MIS 6 - 4 in the central Rockies of Colorado as determined from pollen analysis. *Quaternary Research*: 82: 542-552.

*Haskett, D., **Porincho, D.F.** A quantitative midge-based reconstruction of thermal conditions in central Colorado during Marine Isotope Stage 5. *Quaternary Research* 82: 580-591.

*Reinemann, S., **Porincho, D.F.**, MacDonald, G.M., Mark, B.G., DeGrand, J. A 2000 year reconstruction of air temperature in the Great Basin of the United States with specific reference to the Medieval Climatic Anomaly. *Quaternary Research*: 82: 309-317.

*Reinemann, S., **Porincho, D.F.**, Mark, B.G. Regional climate change evidenced by recent shifts in chironomid community composition in sub-alpine and alpine lakes in the Great Basin of the United States. *Arctic, Antarctic and Alpine Research* 46: 600-615.

2011 Self, A.E., Brooks, S.J., Birks, H.J.B., Nazarova, L., **Porincho, D.F.**, Odland, A., Yang, H., Jones, V.J. The distribution of chironomids in high-latitude Eurasian lakes with respect to temperature and continentality: development and application of new chironomid-based climate-inference models in northern Russia. *Quaternary Science Reviews* 30: 1122-1141.

*Reinemann, S.R., Patrick, N., Baker, G., **Porincho, D.F.**, Mark, B.G., Box, J.E. Climate change in Great Basin National Park: Lake sediment and sensor-based studies. *Park Science*: 28: 78-82.

2010 **Porincho, D.F.**, *Reinemann, S.R., Mark, B., Box, J. and ^Rolland, N. Application of a midge-based inference model for air temperature reveals evidence of late-20th century warming in sub-alpine lakes in the central Great Basin, United States. *Quaternary International* 215: 15-26.

2009 *Reinemann, S.R., **Porincho, D.F.**, Bloom, A.M, Box, J.B., Mark, B.G. A multi-proxy paleoclimate reconstruction of Holocene thermal conditions in the Great Basin, United States. *Quaternary Research* 72: 347-358.

Porincho D.F., ^Rolland N. and MacDonald G.M. A 2000 year midge-based paleotemperature reconstruction from the Canadian Arctic Archipelago. *Journal of Paleolimnology* 41: 177-188.

Porincho, D. F., ^Rolland, N. and Moser, K. A. Development of a chironomid-based air temperature inference model for the Central Canadian Arctic. *Journal of Paleolimnology* 41: 349-368.

^Rolland, N., **Porincho, D.F.**, and Larocque, I. The use of high-resolution gridded climate data in the development of chironomid-based inference models from remote areas. *Journal of*

Paleolimnology 41:343–348.

Kaufman, D.S., Schneider, D.P., McKay, N.P., Ammann, C.M., Bradley, R.S., Briffa K.R., Miller, G.H., Otto-Bliesner, B.L., Overpeck, J.T., Vinther, B.M., Arctic Lakes 2k Project Members (Abbott, M., Axford, Y., Bird, B., Birks, H.J.B., Bjune, A.E., Briner, J., Cook, T., Chipman, M., Francus, P., Gajewski, K., Geirsdóttir, Á., Hu, F.S., Kutcho, B., Lamoureux, S., Loso, M., MacDonald, G., Peros, M., **Porinchi, D.**, Schiff, C., Seppä, H., Thomas, E. Recent warming reverses long-term Arctic cooling. *Science* 325: 1236-1239.

MacDonald G.M., **Porinchi D.F.**, ^Rolland N., Kremenetsky K.V. and Kaufman D.S. Paleolimnological evidence of the response of the central Canadian treeline zone to radiative forcing and hemispheric patterns of temperature change over the past 2000 years. *Journal of Paleolimnology* 41:129–141.

Westover, K.S., Moser, K.A., **Porinchi, D.F.** and MacDonald, G.M. Physical and chemical limnology of a 61-lake transect across mainland Nunavut and southeastern Victoria Island, Central Canadian Arctic. *Fundamental and Applied Limnology* 175/2: 93–112.

2008 Macdonald, G.M., Moser, K.A., Bloom, A.M., **Porinchi, D. F.**, ^Potito. A.P., Wolfe, B., Edwards T.W.D. Evidence for temperature depression and hydrological variations during the Younger Dryas chronozone in the Sierra Nevada, California. *Quaternary Research* 70: 131-140.

2007 **Porinchi, D.F.**, Moser, K.A. and Munroe, J. Development of a midge-based summer surface water temperature inference model for the Great Basin of the western United States. *Arctic, Antarctic and Alpine Research* 39: 566-577.

Porinchi, D.F., ^Potito, A., MacDonald, G.M., Bloom, A.M. Subfossil chironomids as indicators of recent climate change in Sierra Nevada, California, lakes. *Arctic, Antarctic and Alpine Research* 39: 286-296.

2006 ^Potito, A., **Porinchi, D.F.**, MacDonald, G.M., Moser, K.A. A late Quaternary chironomid inferred temperature record from the Sierra Nevada, California: connections to northeast Pacific sea surface temperatures. *Quaternary Research* 66: 356-363.

2004 Kaufman, D., Ager, T.A., Anderson, N.J., Anderson, P.M., Andrews, J.T., Bartlein, P.J., Brubaker, L.B., Coats, L.L., Cwynar, L.C., Duvall, M.L., Dyke, A.S., Edwards, M.E., Gajewski, K., Geirsdóttir, A., Hu, F.S., Jennings, A.E., Kaplan, M.R., Kerwin, M.W., Lozhkin, A.V., MacDonald, G.M., Miller, G.H., Mock, C.J., Oswald, W.W., Otto-Bliesner, B.L., **Porinchi, D.F.**, Rühland, K., Smol, J.P., Steig, E.J. and Wolfe, B.B. Holocene thermal maximum in the western Arctic (O-180°W). *Quaternary Science Reviews*, 23: 529-560.

2003 **Porinchi, D.F.**, MacDonald, G.M., Bloom, A.M. and Moser, K.A. Chironomid community development in the eastern Sierra Nevada, California, U.S.A., during the late glacial-early Holocene transition: paleoclimatic implications. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 198: 403-422.

Porinchi, D.F. and MacDonald, G.M. The use and application of freshwater midges in geographical research. *Progress in Physical Geography*, 27: 409-453.

Bloom, A.M., Moser, K.A., **Porinchi, D.F.** and MacDonald G.M. Diatom-inference models for surface-water temperature and salinity developed from a 57-lake calibration set from the Sierra

Nevada, California, USA. *Journal of Paleolimnology* 29: 235-255.

- 2002 **Porincho, D.F.**, MacDonald, G.M., Bloom, A.M. and Moser, K.A. The modern distribution of chironomids (Insecta: Diptera) in the Sierra Nevada, California: potential for paleoclimatic reconstructions. *Journal of Paleolimnology* 28: 355-375.

Porincho, D.F. and Cwynar, L.C. Late-Quaternary history of midge communities and climate from a tundra site near the lower Lena River, northeast Siberia. *Journal of Paleolimnology* 27: 59-69.

- 2000 **Porincho, D.F.** and Cwynar, L.C. The distribution of freshwater chironomidae (Insecta: Diptera) across treeline near the lower Lena River, northeast Siberia. *Arctic, Antarctic and Alpine Research* 32: 429-427.

Peer Reviewed Book Chapters

- 2004 MacDonald, G.M., Edwards, T., Gervais, B., Laing, T., Pisaric, M., **Porincho, D.F.**, Synder, J., Solovieva, N., Tarasov, P., and Wolfe, B. Recent Paleolimnological Research from Northern Russian Eurasia. In: *Long-Term environmental change in Arctic and Antarctic lakes*. Editors: Pienitz, R., Douglas, M.S.V., and Smol, J.P. Kluwer Academic Publishers, Dordrecht, The Netherlands, pp. 349-380.

INVITED RESEARCH PRESENTATIONS (^* denotes post-doc, student co-author)

- 2016 Reinemann, S.A., Porincho, D.F. and Mark, B.G. Long term perspective on environmental change in Great Basin National Park. Great Basin National Park, Baker, NV. (07/12/2016)

- 2014 Porincho, D.F. Abrupt Climate Change during the Late Quaternary: Evidence from Arctic and Alpine Environments. Georgia State University, Department of Geosciences (10/16/2014)

- 2013 Porincho, D.F. A Paleolimnological Perspective on Late Quaternary Climate Change in the Intermountain West of the United States. University of Tennessee, Department of Geography (07/08/13)

Porincho, D.F. Workshop on Chironomids in Paleoclimate Research. University of Tennessee, Department of Geography (07/09/13)

- 2012 **Porincho, D.F.**, Haskett, D. Late Quaternary climate change at the Snowmastodon Site, Snowmass Village, CO: Preliminary results from sub-fossil midge analysis. Denver Museum of Nature and Science (06/25/12)

Porincho, D.F., Reinemann, S. and Haskett, D. Holocene climate variability in the Intermountain West: Evidence from lake sediment. MNTCLIM; Consortium for Integrated Climate Research in Western Mountains (CIRMOUNT), Estes Park, CO (10/02/12)

Porincho, D.F. Late Quaternary climate change in the Intermountain West: Evidence from lake Sediment. University of Georgia, Department of Geology (11/30/12)

- 2011 **Porincho, D.F.** Paleolimnology Field Methods and Theory: Case Studies from the Central Canadian Arctic. University of Indiana, Geological Sciences (10/17/11)

- Porinchi, D.F.** Impacts of Global Change on Freshwater Ecosystems: The View from the Intermountain West of the United States. University of Indiana, Geological Sciences (10/17/11)
- Porinchi, D.F.** Chironomid Paleoclimatology: The View from the Great Basin. Pacific Climate Workshop (PACLIM), Pacific Grove, CA. (03/08/11)
- Porinchi, D.F.** Global Climate and Environmental Change: Case Studies from the Canadian Arctic and the western United States. University of Georgia, Geography (03/24/11)
- Porinchi, D.F.** Chironomid Paleoclimatology: The View from the Intermountain West of the United States. The Ohio State University, EEOB (04/21/11)
- 2010 **Porinchi, D.F.**, ^Potito, A.P., *Soltész, P., DeGrand, J., Reinemann, S.R. Assessing Mid-Holocene Aridity in the Midwestern United States. Ohio Geological Survey – Quaternary Studies Workshop, Delaware, OH. (10/15/10)
- 2009 **Porinchi, D.F.**, Mark, B.G. and *Reinemann, S.R. Climate change and Great Basin National Park: Insights from The Ohio State University research and education program. Great Basin National Park, Baker, NV (08/10/09)
- Porinchi, D.F.** Paleolimnological and paleoecological studies from northern Eurasia: evidence of abrupt and long-term climate change during the late Quaternary. 3rd LIMPACS (IGBP, PAGES) Conference, Chandigarh, India (03/06/09)
- Porinchi, D.F.** Insects and paleoclimate: paleolimnological evidence of climate variability in the Great Basin, USA during the late Quaternary. Department of Geology, Middlebury College, Middlebury, VT (01/20/09)
- Porinchi, D.F.** Paleoecology and paleolimnology: what lake sediment can reveal about past environments. Department of Geology, Middlebury College, Middlebury, VT (01/21/09)
- 2008 **Porinchi, D.F.** Insects and Paleo-Eskimos: paleolimnological evidence of climate variability in the central Canadian Arctic during the Holocene. Department of Geography and Regional Sciences, University of Arizona, Tucson, AZ (10/30/08)
- Porinchi, D.F.** Chironomids as indicators of recent and long-term climate change in the western United States. Department of Geological Sciences, University of Arizona, Tucson, AZ (10/31/08)
- Porinchi, D.F.** From insects to climate: paleolimnological evidence of climate variability in the central Canadian Arctic during the Holocene. Global and Environmental Change Seminar, School of Earth Sciences, The Ohio State University, Columbus, OH (11/07/08)
- 2007 **Porinchi, D.F.** and Rolland, N. High resolution records of climate variability available from the central Canadian Arctic. Summary workshop: synthesis of the last 2000 years of climate variability from Arctic lakes. San Francisco, CA (12/13/2007)
- Porinchi, D.F.** Abrupt climate change: evidence of differential response of lakes in the Sierra Nevada to Younger Dryas forcing. Pacific Climate Workshop (PACLIM), Pacific Grove, CA. (05/15/2007)

Porincho, D.F. Climate variability in the central Canadian Arctic: the last 2000 years. Workshop: synthesis of the last 2000 years of climate variability from Arctic lakes. Skaftafell, Iceland (05/01/2007)

Porincho, D. F. Climate change: The view from arctic and alpine environments. Department of Geography, Miami University, Oxford OH (04/15/2007)

2006 **Porincho, D.F.**, Moser, K.A., MacDonald, G.M, and Munroe, J.S. Chironomids as proxy indicators of recent climate change in the Uinta Mountains, UT. UINTAS 2006. Snowbird, UT. (05/19/2006)

Porincho, D.F. Publications: Journals, editorial boards and the peer review process. Graduate Student Symposium. Department of Geography, UCLA. (05/10/2006)

Porincho, D. F. Chironomids as proxy indicators of past climate conditions: evidence from high altitude and high latitude. Department of Entomology, The Ohio State University, Columbus, OH (02/17/2006)

2004 **Porincho, D.F.** The use of midge flies in paleoclimatic research: case studies from the Sierra Nevada, California. Byrd Polar Research Center, The Ohio State University, Columbus, OH (02/12/04)

Porincho, D.F. The use of midge flies in paleolimnological research: recent advances. Department of Biology, York University, Toronto, Canada. (11/29/04)

Porincho, D.F. California climate during the last glacial-interglacial transition: The Younger Dryas and a North Atlantic linkage. Department of Geography, The Ohio State University, Columbus, OH. (02/17/04)

2003 **Porincho, D.F.** Lord of the *PAD*-rings: Tree-rings and climate in the Peace-Athabasca Delta. Department of Earth Sciences, University of Waterloo, Waterloo, Canada. (10/30/03)

Porincho, D.F. Evidence of the Younger Dryas in Sierra Nevada, California lakes: paleoclimatic implications. DISCCRS: **D**issertations Initiative for the Advancement of Climate Change **R**esearch Symposium, Copamarina, Puerto Rico. (03/15/03)

Porincho, D.F. Tracking Climate Variability Using Natural Archives. Department of Geography, California State University, Long Beach, Long Beach, CA. (02/15/03)

RESEARCH PAPERS AND POSTERS# PRESENTED AT PROFESSIONAL MEETINGS

(^, * denotes post-doctoral, student co-author)

2016 *Wu, J. and **Porincho, D.F.** Evidence for Hydroclimate Variability during the Medieval Climate Anomaly in the Highlands of Central Costa Rica. American Association of Geographers 112th Annual Meeting, San Francisco, CA.

Porincho, D.F. *Haskett, D. *Sachdeva, U. and Reinemann, S. Evidence of the "Anthropocene" and a Golden Spike: The View from Alpine Ecosystems in the Intermountain West of United States. American Association of Geographers 112th Annual Meeting, San Francisco, CA.

- 2015 **Porincho, D.F.**, Campbell, A., Stansell, N., Mark, B., Yu, Z., Booth, R., Klein, E., *Reinemann, S. A quantitative reconstruction of late Holocene climate and environmental change in south-central Alaska: evidence from lake sediment. American Association of Geographers 111th Annual Meeting, Chicago, IL.
- *Wu, J., **Porincho, D.F.** A paleolimnological study of Holocene climate and environmental change in Chirripó National Park, Costa Rica. American Association of Geographers 111th Annual Meeting, Chicago, IL.
- Jiménez-Moreno, G. Anderson, R.S. Ager, T., **Porincho, D.F.** High-elevation paleoenvironmental change during MIS 6–4 in the central Rockies of Colorado. Perth International Mountain Conference, Perth, Scotland.
- 2014 Porincho, D.F., *Reinemann, S., *Haskett, D. A Paleolimnological Perspective on Recent Climate Change in the Intermountain West of the United States. American Association of Geographers 110th Annual Meeting, Tampa Bay, FL.
- *Haskett, D., Porincho, D.F. A Midge-based Reconstruction of Thermal Conditions in the Central Colorado Rockies during Marine Isotope Stage 5. American Association of Geographers 110th Annual Meeting, Tampa Bay, FL.
- Porincho, D.F., *Haskett, D., *Reinemann, S. Response of high elevation lakes in the Intermountain West of the United States to Recent Climate Change. Mountain Climate Research Conference (MTNCLIM), Midway, UT. (poster)
- *Haskett, D., Porincho, D.F. A Quantitative Midge-based Reconstruction of Mean July Air Temperature from a High Elevation Site in Central Colorado for MIS 6 and MIS 5. Southeast Division of the American Association of Geographers Annual Meeting, Athens, GA.
- Porincho, D.F. Paleoenvironmental Change During the Younger Dryas Chronozone: Evidence from Western Beringia. Southeast Division of the American Association of Geographers Annual Meeting, Athens, GA.
- 2013 **Porincho, D.F.** Evidence of abrupt climate change in the central Canadian Arctic during the early Holocene: linkages to the North Atlantic. Southeast Division of the American Association of Geographers Annual Meeting, Roanoke, VA.
- *Wu, J., **Porincho, D.F.**, Horn, S.P., Hayberan, K.A. A chironomid-based reconstruction of late Holocene environmental change in southern Costa Rica. Southeast Division of the American Association of Geographers Annual Meeting, Roanoke, VA.
- Porincho, D.F.**, *Haskett, D. A quantitative midge-based reconstruction of thermal conditions in central Colorado during Marine Isotope Stage 5. Geological Society of America 125th Annual Meeting, Denver, CO.
- Porincho, D.F., Self, A. A Chironomid-based Quantitative Reconstruction of Late Pleistocene and Holocene Thermal Conditions in Northeast Siberia. American Association of Geographers 109th Annual Meeting, Los Angeles, CA.

- Wu, J., **Porincho, D.F.**, Horn, S.P., Hayberan, K.A. A chironomid-based reconstruction of late Holocene environmental change in southern Costa Rica. American Association of Geographers 109^h Annual Meeting, Los Angeles, CA.
- Reinemann, S.A., **Porincho, D.F.** Munroe, J., Mark, B.G. Sub-fossil Midge Analysis Provides Evidence of Elevated Temperatures during the mid-Holocene in the central Great Basin, NV. American Association of Geographers 109^h Annual Meeting, Los Angeles, CA.
- Haskett, D., Porincho, D.F. A Chironomid-based Reconstruction of Late Quaternary Thermal Conditions at the Snowmastodon Site, Snowmass Village, Colorado. American Association of Geographers 109^h Annual Meeting, Los Angeles, CA.
- 2012 **Porincho, D.F.** , Potito, A., *Soltész, P., Beilman, D., *Reinemann, S., DeGrand, J., Brady, V. A multi-proxy paleolimnological assessment of mid-Holocene aridity in the Midwestern United States American Association of Geographers 108^h Annual Meeting, NY, NY.
- *Soltész, P., **Porincho, D.F.**, Potito, A. Beilman, D., DeGrand, J. and *Reinemann, S. Mid-Holocene Aridity in Central Ohio. American Association of Geographers 108^h Annual Meeting, NY.
- *Reinemann, S., **Porincho, D.F.**, Mark, B.G., Gustin, M. A. Multi-Proxy Paleolimnology Investigation of Anthropogenic Influence and Ecological Response in Sub-Alpine and Alpine Ecosystems in the Great Basin, United States. American Association of Geographers 108^h Annual Meeting, NY, NY.
- *Wu, J., **Porincho, D.F.**, Horn, S. and Haberyan, K. Development of a Midge-Based Inference Model to Assess late Holocene Climate Change in Costa Rica. American Association of Geographers 108^h Annual Meeting, NY, NY.
- #Porincho, D.F. , Potito, A., *Soltész, P., Beilman, D., Brady, V. Multi-proxy paleolimnological analyses provides evidence of early to mid-Holocene aridity in the Midwestern United States. 12th International Paleolimnology Symposium, Glasgow, Scotland.
- 2011 **Porincho, D.F.**, ^Rolland, N. and MacDonald, G.M. Paleolimnological Evidence for Abrupt Climate Change in the Central Canadian Arctic at 8200 cal yr BP. American Geophysical Union, San Francisco, CA
- *Vidmar, J and **Porincho, D.F.** Pleistocene Climate Change and Megafauna Dynamics in the Intermountain West of the United States. Undergraduate Research Symposium, The Ohio State University, Columbus, OH
- *Soltész, P., **Porincho, D.F.**, Potito, A., *Reinemann, S.R., DeGrand, J., Beilman, D. Assessing Mid-Holocene Aridity in Central Ohio Using A Lake-based Approach. Denman Undergraduate Research Competition, The Ohio State University, Columbus, OH.
- Porincho, D.F.** The Younger Dryas cold interval as seen from the Sierra Nevada, CA. American Association of Geographers 107th Annual Meeting, Seattle, WA.
- *Reinemann, S.R. and **Porincho, D.F.** A Multi-Proxy Paleolimnology Study Provides Evidence of Anthropogenic Influence on Sub-Alpine and Alpine Ecosystems in the Great Basin, United States. American Association of Geographers 107th Annual Meeting, Seattle, WA.

- 2010 **Porincho, D.F.**, ^Rolland, N. and MacDonald, G.M. Paleolimnological Evidence for Abrupt Climate Change in the Central Canadian Arctic at 8200 cal yr BP. American Association of Geographers 106th Annual Meeting, Washington, DC.
- *Reinemann, S.R. and **Porincho, D.F.** A Multidecadal Midge-Based Temperature Reconstruction From the Great Basin, United States Provides Evidence of Warmer Conditions During The Medieval Climatic Anomaly. American Association of Geographers 106th Annual Meeting, Washington, DC.
- 2009 Self, A.E., Brooks, S.J., Jones, V., Solovieva, N., Narazora, L., and **Porincho, D.F.** Paleolimnological evidence for recent climate change in lakes from the Putorana Plateau, central Siberia. 11th International Paleolimnology Conference, Guadalajara, Mexico.
- Porincho, D.F.**, and Plummer, M.A. #Incorporating a quantitative paleo-temperature time series into simulations of a Sierra Nevada glacier to the Younger Dryas. Pacific Climate Workshop (PACLIM), Pacific Grove, CA.
- *Reinemann, S., **Porincho, D.F.**, Bloom, A.M., Mark, B.G., Box, J.E. #A multi-proxy paleolimnological reconstruction of Holocene climatic conditions in the Great Basin, United States. Pacific Climate Workshop (PACLIM), Pacific Grove CA.
- 2008 **Porincho, D.F.**, and MacDonald, G.M. #High-resolution paleolimnological evidence of climate variability in the central Canadian Arctic during the past 2000 years. The American Geophysical Union, San Francisco, CA.
- *Reinemann, S.R., **Porincho, D.F.** and Bloom, A.M. Paleolimnological evidence for peak Holocene warmth at 5.2ka (5200 cal yr BP) in the Great Basin, United States. West Lakes Division Meeting, American Association of Geographers. Bloomington, IN.
- Bloom, A.M., **Porincho, D.F.**, ^Potito, A.P. and MacDonald, G.M. Recent climate change in the central Sierra Nevada, California, USA, as indicated by high-resolution diatom analysis. American Association of Geographers 104th Meeting, Boston, MA.
- Porincho, D.F.** and Horn, S. P. Distribution of sub-fossil midges in Costa Rican lakes: exploratory paleolimnological analyses. American Association of Geographers 104th Annual Meeting, Boston, MA.
- *Reinemann, S. R. and **Porincho, D.F.** 20th Century and Holocene chironomid-based climate reconstructions from sub-alpine lakes in the western United States. American Association of Geographers 104th Meeting, Boston, MA.
- 2007 **Porincho, D.F.**, Reinemann, S., MacDonald, G.M., Moser, K.A., Munroe, J., Box, J. and Mark, B. #Evidence of regional warming during the 20th Century in alpine and subalpine lakes in the western United States. The American Geophysical Union, San Francisco, CA.
- Moser, K.A., Hundey, E.J. and **Porincho, D.F.** An investigation of the impacts of climate and environmental change on alpine lakes in the Uinta Mountains, Utah. The American Geophysical Union, San Francisco, CA.

*Rolland, N., **Porinchi, D.F.**, MacDonald, G.M, Moser, K.A. #Reconstruction of centennial and millennial-scale climate and environmental variability during the Holocene in the central Canadian Arctic. The American Geophysical Union, San Francisco, CA.

Porinchi, D.F. Midge-based inference model reveals late 20th Century warming in sub-alpine lakes in the Intermountain West of the United States. International Workshop on Chironomid Taxonomy, Ecology and Palaeolimnology, Reykjavik, Iceland.

Porinchi, D.F., MacDonald, G.M and Moser, K.A.. Impact of mid-Holocene climate change on Paleoeskimo populations in the Central Canadian Arctic. The 37th Arctic Workshop, Skaftafell, Iceland.

Porinchi, D.F., MacDonald, G.M., Moser, K.A. High-resolution quantitative reconstructions of Holocene climate change in the central Canadian Arctic: implications for human occupation. American Association of Geographers 103rd Annual Meeting, San Francisco, CA.

2006 **Porinchi, D.F.**, ^Potito, A.P., MacDonald, G.M., Moser, K.A., Munroe, J.S. #High resolution analysis of subfossil midges in the Great Basin, United States provides evidence of late 20th Century warming. The American Geophysical Union, San Francisco, CA.

Moser, K.A, MacDonald, G.M., **Porinchi, D.F.**, Potito, A.P. Holocene aridity in the western USA: patterns and processes inferred from lake sediments. 10th International Paleolimnology Symposium Duluth, MN.

Potito, A.P., **Porinchi, D. F.**, MacDonald, G.M., Moser, K.A. A late Quaternary chironomid-inferred temperature record from the Sierra Nevada California, with connections to northeast Pacific sea surface temperatures. 16th International Chironomid Symposium, Funchal, Portugal.

Porinchi, D.F., Potito, A.P., MacDonald, G.M., Moser, K.A., Bloom, A.M. #High resolution analysis of subfossil chironomids in the Inter-Mountain Region of the western United States provides evidence of 20th Century warming. 16th International Chironomid Symposium, Funchal, Portugal.

Porinchi, D. F., MacDonald, G.M., Moser, K.A. Limnological and environmental characteristics of a 90+ lake calibration set in the central Canadian Arctic: potential for paleoclimatic reconstruction. American Association of Geographers 102nd Annual Meeting, Chicago, IL.

Bloom, A.M., Moser, K.A., **Porinchi, D. F.**, MacDonald, G.M. Rapid climate change during the Pleistocene-Holocene transition in the central Sierra Nevada, California, USA inferred from changes in diatom-community composition. American Association of Geographers 102nd Annual Meeting, Chicago, IL. [presented by Bloom]

Potito, A.P., **Porinchi, D. F.**, MacDonald, G.M. Influence of the western tropical Pacific on Holocene temperatures in the eastern Sierra Nevada, California. American Association of Geographers 102nd Annual Meeting, Chicago, IL. [presented by Potito]

Porinchi, D.F., Potito, A.F., MacDonald, G.M., Bloom, A.M. #High resolution analysis of sub-fossil chironomids in the Sierra Nevada, CA provides evidence of late-20th century warming. Pacific Climate Workshop (PACLIM), Pacific Grove, CA.

- 2005 **Porinchi, D.F.**, MacDonald, G.M., Moser, K.A., Bloom, A.M., Potito, A.P. Differential response of Sierra Nevada, California lakes to post-glacial climate change. American Association of Geographers 101st Annual Meeting, Denver, CO.
- Porinchi, D.F.**, MacDonald, G.M., Moser, K.A., Bloom, A.M. #A quantitative chironomid-based reconstruction of late Pleistocene-early Holocene temperatures in the Sierra Nevada, CA. MNTCLIM; Consortium for Integrated Climate Research in Western Mountains (CIRMOUNT), Chico Hot Springs, MT.
- Bailey, J.N.L., Edwards, T.W.D., MacDonald, G.M., **Porinchi, D.F.**, St. Amour, N., Hall, R.I. and Wolfe, B.B. Isotope dendrohydroclimatology in the PAD: 20th century climate and Peace River flood frequency as viewed by trees. Managing Water in the Peace-Athabasca-Slave River Corridor, Cold Regions Research Centre Symposium, Wilfrid Laurier University, Waterloo, Canada.
- Edwards, T.W.D., Hall, R.I., Wolfe, B.B., Luckman, B.H., MacDonald, G.M., Karst-Riddoch, T., **Porinchi, D.F.**, Vardy, S.R., Bailey, J.N.L., Falcone, M., Sinnatamby, R.N., St. Amour, N., Wiklund, J. and Yi, Y. Hydroclimatology of the last millennium in the catchments of the Peace and Athabasca rivers: implications for disentangling hydrologic and climatic signals in the PAD. Managing Water in the Peace-Athabasca-Slave River Corridor, Cold Regions Research Centre Symposium, Wilfrid Laurier University, Waterloo.
- 2004 Moser, K.A., MacDonald, G.M., Bloom, A.B., Potito, A.P. **Porinchi, D.F.** A Holocene record of climate change from the Sierra Nevada, CA, USA: A paleolimnological perspective of California drought. American Geophysical Union, San Francisco, CA.
- Moser, K.A., MacDonald, G.M., **Porinchi, D.F.**, Bloom, A.M., Potito, A.P., Petel, A.P. Climatological, hydrological and vegetation change for the past 15,000 years based upon a new network of high resolution lake sites in the Sierra Nevada and Unita Mountains. American Geophysical Union, San Francisco, CA.
- Bloom, A.M., Potito, A.P., MacDonald, G.M., Moser, K.A., **Porinchi, D.F.** A multi-proxy, high-resolution reconstruction of Holocene climate and drought conditions from Kirman Lake, eastern Sierra Nevada, California, USA. Geological Society of America Annual Meeting, Denver, CO.
- Edwards, T.W.D., Hall, R.I., Wolfe, B.B., Luckman, B.H., MacDonald, G.M., Karst-Riddoch, T.L., **Porinchi, D.F.**, Vardy, S.R., Clogg-Wright, K., Falcone, M., Mongeon, C., Sinnatamby, R.N., St. Amour, N., Sokal, M., Wiklund, J., Yi, Y. Hydroclimatology of the last 650 years in the Athabasca River Basin: Implications for the inland deltas and Great Lakes of the Mackenzie River system. International Association for Great Lakes Research Conference (IAGLR), University of Waterloo, Waterloo, Canada.
- Porinchi, D.F.** and MacDonald, G.M. Paleolimnological Research from northern Russian Eurasia. American Association of Geographers 100th Annual Meeting, Philadelphia, PA.
- 2003 Moser, K.A., MacDonald, G.M., Bloom, A.M., **Porinchi, D.F.**, Petel, A.M., Potito, A.P. Paleolimnological evidence of Younger Dryas cooling in the Sierra Nevada, CA. Geological Society of America Annual Meeting, Seattle, WA.
- Plummer, M. and **Porinchi, D.F.** Simulating the dynamic behaviour of a Sierra Nevada glacier in response to the forcing implied by a new high resolution record of Younger Dryas temperature variations. XVI INQUA Congress, Reno, NV.

- Porincho, D.F.**, MacDonald, G.M. and Potito, A.P. #High-resolution analysis of midge (Insecta: Diptera: Chironomidae) remains provide insight into recent climate change in high-elevation lakes in the Sierra Nevada, California, U.S.A. 3rd International Limnogeology Congress, Tucson, AZ.
- Porincho, D.F.**, MacDonald, G.M., and Potito, A.P. #High resolution analysis of subfossil midges: Indicators of recent climate change in the Sierra Nevada of California. 20th Annual PACLIM Workshop, Pacific Grove, California.
- Bloom, A.M., Moser, K.A., **Porincho, D.F.**, and MacDonald, G.M. The Younger Dryas in the Sierra Nevada, California: application of diatom-based inference models for climate. American Association of Geographers 99th Annual Meeting, New Orleans, LA.
- MacDonald, G.M., Moser, K.A., **Porincho, D.F.**, Bloom, A.M., Petel, A.M., and Potito, A.P. California climate and environment during the last glacial-interglacial transition and the North Atlantic linkage. American Association of Geographers 99th Annual Meeting, New Orleans.
- Porincho, D.F.** and MacDonald, G.M. Paleolimnological evidence of recent climate change in high elevation lakes in the Sierra Nevada, California. American Association of Geographers 99th Annual Meeting, New Orleans, LA.
- Bloom, A.M., Moser, K.A., **Porincho, D. F.** and MacDonald, G.M. Using diatom-based inference models to decipher the paleohydrology of the Younger Dryas in the Sierra Nevada, California, USA. American Society of Limnology and Oceanography Aquatic Sciences Meeting, Salt Lake City, UT. [presented by Bloom]
- 2002 **Porincho, D.F.** and MacDonald, G.M. Manifestation of the Younger Dryas in eastern Sierra Nevada, California: testing the influence of the North Pacific. American Association of Geographers 98th Annual Meeting, Los Angeles, CA.
- 2001 **Porincho, D.F.** and MacDonald, G.M. #The modern distribution of midge flies Chironomidae; Insecta: Diptera) in the eastern Sierra Nevada, California Lakes: potential for paleoclimatic reconstruction. 18th Annual PACLIM Workshop, Pacific Grove, California.
- Porincho, D. F.** and MacDonald, G.M. The use of Chironomidae (Insecta: Diptera) in paleolimnology, paleoecology and paleoclimatology. American Association of Geographers 97th Annual Meeting, New York, NY.
- 2000 **Porincho, D.F.** and MacDonald, G.M. The modern distribution of chironomids in alpine lakes in the eastern Sierra Nevada, California and their potential in paleoclimatic reconstruction. 8th International Paleolimnology Conference, Kingston, Ontario, Canada.
- Porincho, D.F.** and MacDonald, G.M. Midge flies as indicators of climate change. American Association of Geographers 96th Annual Meeting, Pittsburgh, PA.
- 1999 **Porincho, D.F.** and MacDonald, G.M. High resolution time series of California climate over the last 12,000 years: preliminary results. American Association of Geographers 95th Annual Meeting, Honolulu, Hawaii.
- 1998 Macdonald, G.M., Velichko, A., Cwynar, L., **Porincho, D.F.**, and others. Research along the northern Eurasian margin. American Geophysical Union, San Francisco, CA.

1997 **Porinchu, D.F.** and Cwynar, L.C. The modern distribution of Chironomidae (Insecta: Diptera) with respect to treeline, and their use as indicators of past climate change in north-central Siberia. Canadian Quaternary Association Annual Meeting, Montreal, Quebec.

Porinchu, D. F. and Cwynar, L.C. The distribution of Chironomidae with respect to treeline, and their use as indicators of past climate change in north-central Siberia. 26th Arctic Workshop (Institute of Arctic and Alpine Research), Ottawa, Canada.

PROFESSIONAL MEMBERSHIPS

Association of American Geographers
American Geophysical Union
Geologic Society of America