

## JENNIFER R. MARLON

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### EDUCATION

Expected 2009	Ph.D., Geography, University of Oregon Thesis: World fire: a new global synthesis and analysis
2003	M.S., Geography, University of Oregon Thesis: A meta-analysis of charcoal-based fire history records from the northwestern United States
1991	B.S., University at Albany, State University of New York

### CURRENT RESEARCH

- Global fire history during the past 21,000 years
- Syntheses of paleoecological data to examine climate-vegetation-fire dynamics
- Comparison of recent climate changes and public risk perception in the United States

### PROFESSIONAL EXPERIENCE

2008 – present	Consultant, Decision Research, Eugene, OR
2005 – 2008	Research Assistant, Department of Political Science, University of Oregon
2003 – 2004	Research Assistant, Department of Geography, University of Oregon
2002	Intern, GIS Specialist, Benton County Community Dev. Program, Corvallis, OR
2000 – 2001	Graduate Teaching Fellow, Department of Geography, University of Oregon
1999	Intern, Paleoecology Lab, Department of Geography, University of Oregon
1998 – 2000	Project Manager, Broadcast Software International, Eugene, OR
1994 – 1997	Production Manager, West Group Legal Publishing, San Francisco, CA
1991 – 1992	Management Consultant, Ernst & Young, New York, NY

### RESEARCH GRANTS & AWARDS

2008	University of Oregon Doctoral Research Fellowship (\$18,000)
2008	University Scholarship (\$1800)
2007	National Science Foundation travel award for early-career scientists to attend the XVII INQUA Congress, Cairns, Australia (\$2300)
2007-2008	National Science Foundation: Doctoral Dissertation Improvement Grant: "Global fire since the Last Glacial Maximum" (Co-PI with Patrick J. Bartlein: \$7585)
2007	Department of Geography Summer Field Work Scholarship (\$500)
2005-2006	University Scholarship (\$1800)
2004	AAG Biogeography Specialty Group Award: Best Ph.D. Paper/Poster (\$100)
2004	Department of Geography Travel Award (\$500)
2002-2003	University Scholarship (\$1500)
2001-2002	University Scholarship (\$2800)
2001	Department of Geography Travel Award (\$500)

## PEER-REVIEWED PUBLICATIONS

- Marlon, J.R.**, Bartlein, P.J., Walsh, M.K., Harrison, S.P., Brown, K.J., Edwards, M.E., Higuera, P.E., Power, M.J., Anderson, R.S., Briles, C., Brunelle, A., Carcaillet, C., Daniels, M., Hu, F.S., Lavoie, M., Long, C., Minckley, T., Richard, P.J.H., Shafer, D.S., Tinner, W., Umbanhowar, C.E. Jr. Wildfire responses to abrupt climate change in North America (2009). *Proceedings of the National Academy of Sciences*.
- Marlon, J.R.**, Bartlein, P.J., Carcaillet, C., Gavin, D.G., Harrison, S.P., Higuera, P.E., Joos, F., Power, M.J., Prentice, I.C. (2008) Climate and human influences on global biomass burning over the past two millennia. *Nature Geoscience*. doi:10.1038/ngeo313.
- Power, M.J., **Marlon, J.**, Ortiz, N., Bartlein, P.J., Harrison, S.P., Mayle, F.E., Ballouche, A., Bradshaw, R., Carcaillet, C., Cordova, C., Mooney, S., Moreno, P., Prentice, I.C., Thonicke, K., Tinner, W., Whitlock, C., Zhang, Y., Zhao, Y., Anderson, R.S., Beer, R., Behling, H., Briles, C., Brown, K.J., Brunelle, A., Bush, M., Camill, P., Chu, G.Q., Clark, J., Colombaroli, D., Connor, S., Daniels, M., Daniau, A.-L., Dodson, J., Doughty, E., Edwards, M.E., Fisinger, W., Foster, D., Frechette J., Gaillard, M.-J., Gil-Romera, G. Gavin, D.G., Gobet, E., Haberle, S., Hallett, D.J., Higuera, P., Hope, G., Horn, S., Impagliazzo, S., Inoue, J., Kaltenrieder, P., Kennedy, L., Kong, Z.C., Larsen, C., Long, C.J., Lynch, J., Lynch, B., McGlone, M., Meeks, S., Mensing, S., Meyer, G., Minckley, T., Mohr, J., Nelson, D., New, J., Newnham, R., Noti, R., Oswald, W., Pierce, J., Richard, P.J.H., Rowe, C., Sanchez Goñi, M.F., Shuman, B.J., Takahara, H., Toney, J., Turney, C., Umbanhowar, C., Vandergoes, M., Vanniere, B., Vescovi, E., Walsh, M., Wang, X., Williams, N., Wilmshurst, J., Zhang, J.H. (2008). Changes in fire regimes since the Last Glacial Maximum: an assessment based on a global synthesis and analysis of charcoal data. *Climate Dynamics* **30**, 887-987. DOI: 10.1007/s00382-007-0334-x.
- Whitlock, C., **Marlon, J.**, Briles, C., Brunelle, A., Long, C., Bartlein, P.J. (2008). Long-term relations between fire, fuel, and climate in the northwestern U.S. *International Journal of Wildland Fire*, **17**(1) 72–83.
- Whitlock, C., Bianchi, M.M., Bartlein, P.J., **Marlon, J.**, Walsh, M., and McCoy, N. (2006). Postglacial vegetation, climate, and fire history along the east side of the Andes (lat 41-42 S), Argentina. *Quaternary Research*, **66**(2), 187-201.
- Marlon, J.**, Bartlein, P.J., and Whitlock, C. (2006). Fire-fuel-climate linkages in the northwestern United States during the Holocene. *The Holocene* **16**(8), 1059-1071.
- Whitlock, C., Shafer, S.L., and **Marlon, J.** (2003). The Role of Climate and Vegetation Change in Shaping Past and Future Fire Regimes in the Northwestern U.S. and the Implications for Ecosystem Management. *Forest Ecology and Management* **178**, pp. 5-21.

## PUBLISHED REPORTS & THESES

- Weiler, C.S., Mitchell, R. and **Marlon, J.** (2009). DISCCRS IV Symposium Report. Online: [http://www.disccrs.org/reports/DISCCRS\\_IV\\_Symposium\\_Report.pdf](http://www.disccrs.org/reports/DISCCRS_IV_Symposium_Report.pdf)
- Power, M.J., **Marlon, J.**, Bartlein, P.J., and Harrison, S.P. (2008). Fire in the Earth System: the Global Palaeofire Working Group. Totnes, UK, 22-26 October 2007. Workshop Report. *PAGES News* **16**(1), 39-40.
- Marlon, J.** (2003). A Meta-Analysis of Charcoal-based Fire History Records from the Northwestern United States. Thesis, University of Oregon, Eugene, Oregon.
- Whitlock, C., Mohr, J., Minckley, T., and **Marlon, J.** (2001). Holocene vegetation and fire history from Cedar Lake, northern California. A Final Report for Cooperative Agreement USFS PSW-99-0010CA, Pacific Southwest Research Station, USDA Forest Service, CA.

## PRESENTATIONS

- 2009 PAGES Open Science Meeting, Corvallis, OR (scheduled - invited)
- 2009 Association of American Geographers, Las Vegas, NV (scheduled)
- 2009 Yale Institute for Biospheric Studies, New Haven, CT

- 2008 International Association of Wildland Fire, Jackson Hole, WY
- 2008 Paleoclimate Modelling Intercomparison Project Phase II Workshop, Estes Park, CO
- 2008 Session Organizer: "Succeeding as a Biogeographer," Association of American Geographers, Boston, MA
- 2008 Association of American Geographers, Boston, MA
- 2007 Dissertations Initiative for the Advancement of Climate Change Research (DISCCRS), Volcanoes, Hawaii (poster)
- 2007 XVII International Quaternary Association Congress, Cairns, Australia
- 2007 Association of American Geographers, San Francisco, CA
- 2007 Brown University, Providence, RI (invited)
- 2006 American Geophysical Union, San Francisco, CA
- 2006 Association of Pacific Coast Geographers, Eugene, Oregon
- 2006 XIX American Quaternary Association, Bozeman, Montana
- 2005 Fire History & Climate Synthesis in the Western United States, Flagstaff, AZ
- 2005 Ecological Society of America, Montreal, Canada
- 2004 American Geophysical Union, San Francisco, CA (poster)
- 2004 American Association of Geographers, Philadelphia, PA (poster)

## **TEACHING EXPERIENCE**

- Summer 2009 Quaternary Ecosystem Science Training International Group, Franche- Comté, France
- Summer 2006 Instructor: Introduction to Physical Geography, University of Oregon
- 2006 Guest Lecturer: Paleoclimatology & Global Warming, University of Oregon
- 2006 Guest Lecturer: Advanced Data Analysis – Data Displays, University of Oregon
- 2005 Guest Lecturer: Advanced Data Analysis – Regression, University of Oregon
- 2002 Guest Lecturer: How Fire Shapes the Distribution of Species, University of Oregon.
- Summer 2002 Instructor: Introduction to Geographic Information Systems, University of Oregon
- Summer 2001 Instructor: Introduction to Geographic Information Systems, University of Oregon
- 2000 – 2001 Graduate Teaching Fellow, Geographic Data Analysis, University of Oregon
- 2000 – 2001 Graduate Teaching Fellow, Climatology, University of Oregon
- 2000 – 2001 Graduate Teaching Fellow, Geomorphology, University of Oregon
- 2000 – 2001 Graduate Teaching Fellow, Biogeography, University of Oregon
- 2000 – 2001 Graduate Teaching Fellow, Geographic Information Systems, University of Oregon

## **PROFESSIONAL SERVICE**

- 2006-present IGBP – PAGES Global Palaeofire Working Group (GPWG) North American Regional Coordinator
- 2007-present GPWG/International Multiproxy Paleofire Database Liaison
- 2007 Graduate Student Representative: American Association of Geographers - Biogeography Specialty Group

## **PROFESSIONAL MEMBERSHIPS**

- American Association for the Advancement of Science (AAAS)
- Association of American Geographers (AAG)
- American Geophysical Union (AGU)
- American Meteorological Society (AMS)
- Association of Pacific Coast Geographers (APCG)
- Ecological Society of America (ESA)
- Gamma Theta Upsilon* International Geographical Honor Society
- International Union for Quaternary Research (INQUA)