curriculum vitae

**PETER B. de MENOCAL**

Dean of Science

Thomas Alva Edison/ConEd Professor

Department of Earth and Environmental Sciences

Columbia University Lamont-Doherty Earth Observatory

Low Library 105 Geoscience 207

New York, NY 10025 Palisades, New York 10964

212-864-4987 845-365-8483

Assistant: Eric Meyer (212-854-8908) Assistant: Jean Leote (845-365-8608)

**web:** http://www.ldeo.columbia.edu/~peter

**email:**  [peter@ldeo.columbia.edu](mailto:peter@ldeo.columbia.edu)

**Research Interests:**

I’m the founding director of Columbia’s new [Center for Climate and Life](http://climateandlife.columbia.edu). We mobilize over 120 scientists to understand how climate impacts the security of food, water, and shelter, and to explore sustainable energy solutions. We partner with industry, finance, and governments, transferring knowledge to build a more resilient, sustainable world.

I use deep-sea sediments as archives of past climate change. Ocean sediments accumulate slowly but continuously and provide records of past changes in Earth climate and ocean circulation over a wide range of timescales, from centuries to millions of years. I’m interested in paleoclimate problems that address climate-human interactions and sustainability.

**Education:**

**B.Sc.**  Geology, St. Lawrence University, *cum laude*, Honors in Geology (1982).

**M.Sc.** Oceanography, Graduate School of Oceanography University of Rhode Island (1986).

**Ph.D., M. Phil.** Geology. Columbia University. Thesis title: "Pliocene-Pleistocene Evolution of Tropical Aridity". Committee: Dr. William F. Ruddiman, advisor, Wally Broecker, Dennis Kent, Paul Olsen (1992).

**Sc. D.** (hon. causa) St. Lawrence University (2009).

**Academic Appointments**

2016 - present Dean of Science, Faculty of Arts and Sciences, Columbia University

2015 - present Founding Director. Columbia Center for Climate and Life

2015-2018 Vice Chair, Columbia Earth Institute Faculty

2011- 2014 Department Chair, Department of Earth and Environmental Sciences

2009- present Professor, Earth Institute, Columbia University

2007- present Professor, Dept. of Earth and Environmental Sciences, Columbia University

2003-2007 Associate Professor, Dept. of Earth and Environmental Sciences, Columbia University

2004 Visiting Professor, Université Aix-Marseilles 3. CEREGE (invitation Edouard Bard)

1999-2003 Assistant Professor, Dept. of Earth and Environmental Sciences, Columbia University

**Professional experience**

1992-1998 Associate Research Scientist, Lamont-Doherty Earth Observatory of Columbia University, Palisades, NY 10964.

1992 Post-Doctoral Research Scientist, Lamont-Doherty Earth Observatory of Columbia University.

1986-1992 Graduate Research Assistant, Lamont-Doherty Earth Observatory of Columbia University.

1982-1986 Graduate Research Assistant, Graduate School of Oceanography, Univ. of Rhode Island.

1981 GECO Geophysical Company of Norway (US), Inc., Houston, Texas.

1980 Fisherman, Icelandic fishing fleet (Höfn)

1978 Alaska Gold Company, Nome, AK.

**Awards and Honors**

2014 AGU Cesare Emiliani Lecturer (awarded to "individuals who have made outstanding scientific contributions to our understanding of past oceans and climates")

2013 Distinguished Brooksian Award (Brooks School, North Andover, MA. Awarded to a member of the Brooks community “whose life and contributions to society exemplify the nobility of character and usefulness to humanity embodied in the spirit of the school”)

2012 Fellow, American Geophysical Union

2009 Professor of the Year award, Lamont-Doherty Earth Observatory

2009 Sci. D. (Honorary) St. Lawrence University

2008 Lenfest Distinguished Columbia Faculty Award (excellence in Scholarship and Teaching)

2007 Elsevier “Top 50” highly cited paper award, (deMenocal, 2004) – still in top 10 downloads!

1989 Bruce Heezen Award. Lamont-Doherty Earth Observatory (for excellence in graduate research).

1984 Argonne National Laboratories, Graduate research award for research in nuclear waste management.

1983 Sandia National Laboratories, research assistantship with the Low-Level Waste Ocean Disposal Project (LLWODP).

**Named Lectureships**

2016 Presidential Plenary Lecture. Archeological Inst. Of America (San Francisco)

2015 CARTA UC San Diego/Salk Institute Corresponding Member

2011 University of Toronto Distinguished Lecturer

2011 Schwarzbach-Kolloquium Lecturer, University of Köln

2008 Distinguished Visiting Scientist, Friends Central High School (PA)

2006 Richard Foster Flint Lectureship,Yale University

1998-1999 ODP-USSAC Distinguished Lecturer

**Professional Affiliations:**

New York Consortium in Evolutionary Primatology (Resource Faculty member)

Explorers Club (New York), Resident Fellow

American Association for the Advancement of Science

American Geophysical Union

New York Academy of Science

Sigma Xi

# Editorial Positions

2008-2012 Editor, *Earth and Planetary Science Letters*

1996-2006 Associate Editor, *Reviews of Geophysics*

**Professional Service:**

*Committees:*

2012-present Scientific Steering Committee, ECOREV – CEREGE (Aix-Marseilles, France)

2010-2012 IODP Renewal Leadership Team

2007-2009 National Academy of Sciences, National Research Council Committee Member: "Understanding Climate's Influence on Human Evolution"

2007 NSF-ESH Research Planning Committee

2006, 2002 National Academy of Sciences: Frontiers in Science (Co-Chair)

2005-present New York Consortium in Evolutionary Primatology (resource Faculty)

2005 NSF Holocene research planning meeting

2005 CLIVAR Atlantic workshop member

2001-2006 NSF-MESH Steering Committee member

2004-2006 UCAR Climate and Global Change Steering Committee (Chair, 2006)

2004-2005 CORE-NSF Future of Ocean Science Research Steering Committee

1997-2005 American Geophysical Union, *Paleoceanography and Paleoclimatology Committee*

2002 -2003 NSF-MESH “Tropical Paleoclimates” research planning committee (Co-Chair)

2001-2002 NSF-MESH "Decadal-Millennial Scale Climate Variability" research planning committee

2000-2003 USSAC panel member, Joint Oceanographic Institutions

1997-2000 JOIDES Science Steering and Evaluation Panel (ESSEP) for Dynamics of Earth’s Environment

1995 National Science Foundation, Ocean Sciences - MG&G Panelist

1995-2001 Ocean History Panel, ODP (Liason)

*Workshops and Conference Participation:*

May, 2017 Business-Climate Conference, KKR Headquarters, NYC (with Bruce Usher, Damon Philips, CU Business School).

May, 2017 PAGES The climate record of the past 5 million years: from the seasonal cycle to Ice Ages (Co-convenor)

April, 2017 Business-Climate Roundtable, NYC (Co-convenor with Brucer Usher, CUBS).

Sept 2016 C3 Summit, New York, Panel on climate and security with Gen. Petreaus.

Sept 2016 Oxford University, Human Evolution in Structured Populations (Keynote)

Sept 2016 Blouin Creative Leadership Summit, Metropolitan Club, NYC (Panel with Andy Revikin).

Sept 2015 Blouin Creative Leadership Summit, Metropolitan Club, NYC (Panel with Andy Revkin).

June 2015 Aspen Institute “Oceans and Climate” lecture series. Aspen, CO (Invited)

May 2015 CARTA Symposium “Human-Climate Interactions and Evolution: Past and Future” San Diego (Invited)

June 2014 Past Climate Change and Societal Disruption. Urbino, Italy.

May 2014 Co-Chair, Conference North African Climate and Culture during the Holocene” with Edouard Bard. Collége de France, Paris.

Apr. 2012 Co-Chair, LDEO Conference. Did African Climate Influence Human Evolution? (with R. Leakey, T. Cerling)

Mar. 2011 AGU Chapman Conference on Climates, Past Landscapes, and Civilizations (Org. Committee).

Dec. 2010 Co-Chair, AGU, San Francisco “Frontiers in Scientific Ocean Drilling” (with Demian Saffer, Susan Humphris, Katrina Edwards).

July, 2010 The Urbino Summer School in Paleoclimatology. Teaching staff.

Dec. 2009 Co-Chair, AGU, San Francisco “Decadal to Century Scale Climate Variability” (with D. Black and J. Schaefer).

Sept. 2009 INVEST IODP planning meeting, Chair working group (Bremen, Germany)

Dec., 2007 Co-Chair, AGU, San Francisco “Advances in Past Hydrologic System and Ocean Paleosalinity Reconstructions” (with M. Schmidt and H. Spero)

Dec., 2006 Co-Chair, National Academy of Sciences, Frontiers of Science Meeting, *Climate Change*

Nov. 2006 United Nations Environmental Programme (UNEP, New York), “Climate Change - Risks and Opportunities for the Finance Sector”

May, 2006 Plio-Pleistocene climatic changes, faunal turnovers and human dispersals, Institució Catalana de Recerca i Estudis Avançats (ICREA), Tarragona, Spain (Sci. Comm)

Mar., 2006 Co-Chair, UCAR Climate and Global Change Post-Doc selection Committee (AMNH)

Mar., 2006 Chair, Workshop on Tropical Cyclones and Climate (LDEO, IRI)

Dec., 2004 Co-Chair, AGU, San Francisco “A Tropical Perspective on the Ice Ages” (with George Philander and Alexey Federov).

Dec., 2004 Co-Chair, AGU, San Francisco “Stable isotopes and Stratigraphy: Cenozoic Paleoceanography” Special Session honoring the career of Nick Shackleton. (with H. Elderfield, G. Henderson)

Sept., 2004 Co-Chair Bjerknes Centennary Conference (Bergen, Norway) “Climate Change in High-Latitudes”

Aug., 2003 Co-Chair, *IMAGES Holocene workshop*, Bergen, Norway (with Eystein Jansen and Francis Grousset)

July, 2003 Chair, INQUA meeting, Reno, NV. *Marine Records of Terrestrial Climate change*

April, 2003 Co-Chair, *Climate Center* *Pliocene Tropics Meeting*, Lamont (with Mark Cane)

June, 2002 Co-Chair, National Academy of Sciences, Frontiers of Science Meeting: Culture-Climate-Catastrophe

June, 2002 Co-Chair, IMAGES Holocene Working Group (with Francis Grousset)

Dec. 2001 Chair, AGU, San Francisco: *Modes and Mechanisms of Holocene Climate Variability*

Dec., 2000 Chair: AGU, San Francisco: *Paleoclimates: Data and Modeling*

Dec., 1999 Co-Chair (with Paul Baker): AGU, San Francisco. *Past Changes in Tropical Ocean-Atmosphere Circulation and Terrestrial Climate: Late Neogene Linkages and Mechanisms*.

Aug, 1999 Chair. INQUA International Congress, Durban, South Africa. Plenary Theme Symposium on *"The environmental background to hominid evolution in Africa".*

May, 1999 Co-Chair (with Gerard Bond): AGU, Boston. *Complex patterns of climate change during the Pleistocene-Holocene: New insight into mechanisms of past climate variability?*

Dec., 1997 Co-Chair: AGU, San Francisco: *Climate/Ocean dynamics during the Holocene and Last Interglacial*

Oct., 1997 Co-Organizer (with Wally Broecker and Maureen Raymo): Climate Center conference on “*The Timing and Oceanographic Consequences of the Closing of the Panama Isthmus*”, L-DEO.

May, 1997 Chair: AGU, Baltimore: *Paleoclimates: Data and Modeling*

Dec., 1997 Co-Organizer (with Gerard Bond): International Climate Center conference on “*Modes and Mechanisms of Holocene Climate Variability*”, LDEO.

Nov., 1996 Co-Chair: GSA, Denver, CO Hot Topics session: *“Plio-Pleistocene African Climate and Evolution*”

Dec., 1995 Co-Chair: AGU, San Francisco: *Perspectives on Past Climate Changes from Magnetic Studies of Sediments Worldwide*.

May, 1995 Co-Chair: AGU, Baltimore: *Paleoclimates: Data and Modeling*

*Invited or Honorary Lectures (2010-Present)*

Harvard (2016), Oxford (2016), Yale University (2016); Archeological Inst. America (2016; Plenary), Royal Society of London (2015), Aspen Ideas Festival (2015), CalTech (2015), CARTA San Diego (2015, invited), AGU Emiliani Lecturer (2014), Syracuse Univ. (2014), College de France (2014), MIT (2014), UMASS (Amherst, 2013); Universite de Marseilles (2012), AAAS Meeting (Vancouver, 2012); Simon Fraser University (2012), Yale (2012), Rutgers (2012), University of Toronto (2011); Harvard University (2011)

**International Service**

United Nations Open Working Group on Sustainable Development Goals (Jan. 6-10, 2014; Feb. 4, 2014)

Green Schools Alliance, International Advisory Council (2014-present)

**University Service:**

2016-present Dean of Science, Faculty of Arts and Sciences, Columbia University

2015-2016 Department Vice Chair, *Earth Institute Faculty*

2015-present Exec. Committee, Columbia Sustainability Plan

2015-present Search Committee, Earth Institute Director

2015-present Earth Institute Executive Committee

2013-2015 Co-Chair Science Core Committee (with Philip Kitcher)

2014-2015 Department Vice Chair, *Dept. Earth and Environmental Sciences*

2011-2014 Department Chair, *Dept. Earth and Environmental Sciences*

2011, 2010 Columbia Alumni Lectures

2008-2011 Associate Chair, *Dept. Earth and Environmental Sciences*

2008-2010 Director of Graduate Studies, DEES

2008-2011 Columbia Academic Review Committee

2008-2010 Columbia Committee on Science Instruction

2008-2009 Chair, Paleoceanography Research Scientist selection committee

2005-2010 Columbia Univ. IGERT Program Applied Math & Dept. Earth Env. Sciences Faculty

2003-2010 *Frontiers of Science* curriculum planning

2003-present CU-DEES, Planning Committee

2003-present Academic Committee, Earth Institute of Columbia University

2002-2010 Student-Faculty relations committee

2001-2010 CICAR steering committee (Cooperative Institute for Climate Applications and Research; NOAA Lamont-GFDL Joint Institute)

1999-2010 LDEO Climate Center Committee

2003-2008 Educational subcommittee, Earth Institute of Columbia University

2004-2008 LODOS Steering Committee

2002-2007 Director of Undergraduate Studies, DEES

2007-2008 Member, Storke-Doherty Lecturer selection committee

2004-2007 Chair, Paleoceanography faculty search committee

2005 Gender Equity Committee, DEES

2005 Dean’s Day University Lecture

2005 Columbia University Scholar’s lecture program

2003-2004 Lamont Strategic Research Planning document (Abrupt Climate Change)

2003-2006 Co-Chair, Earth Institute Fellows selection committee

2004 Earth Institute Fellows Committee

2003 Environmental Science Department review panel (Barnard College)

2002-2003 Member, Storke-Doherty Lecturer selection committee

2001-2002 Graduate curriculum reform committee (Paleoclimates)

2002 Chair, LDEO post-doctoral selection committee

2001 LDEO Core Curriculum development, lead (Paleoclimate/Paleoceanography)

1999-2002 Executive Committee, Lamont-Doherty Earth Observatory

1. Chair, LDEO post-doctoral selection committee

1999-2002 Member CEI SMART grant committee

1999, 1996 Lamont-Doherty Post-Doctoral selection committee

1999 LDEO Jardetsky Lecturer selection committee

1996 Earth Institute planning committee

**Outreach and Media (Selected)**

National Public Radio, March 2017: WNYC with Brian Lehrer Show: <http://www.wnyc.org/story/climate-science-refresher/>FastCompany How wealthy private investors might save climate research <https://www.fastcompany.com/3067566/innovation-agents/how-wealthy-private-investors-might-save-climate-research>

National Public Radio, Jan. 2017: Morning Edition: <http://radio.wosu.org/post/trump-team-moves-climate-scientists-watch-and-worry>

National Public Radio, Dec. 2016: Morning Edition: <http://www.npr.org/sections/thetwo-way/2016/12/13/505309445/trumps-election-leaves-scientists-in-a-climate-of-uncertainty>

Vox Populi Aug. 2016. “The surf organization driving ocean research” <http://voxpopuli.earth/thetidings/introducing-wsl-pure>

Huffington Post Science, May 2016 – “Talk Nerdy To Me” <http://www.huffingtonpost.com/entry/talk-nerdy-to-me-anthropocene-epoch_us_5734f2aae4b08f96c182a500>

Talks@Columbia May 2016 – “Why Climate Matters” <http://talks.sps.columbia.edu/videos/why-climate-matters>

PBS, SciTech Now – “What is the Climate Innovation Gap?” (TV, 2/2016) <http://www.pbs.org/video/2365718703/>

60 Minutes - CBS (TV, 1/2016) <http://www.cbsnews.com/news/greenland-60-minutes-climate-change/>

COP21-Paris – “Science, Business, and Policy”, International Chamber of Commerce side event (12/2015)

Al Jazeera (TV interview, 9/2015)

*The Great Human Odyssey* (2015 Documentary Film, CBC and PBS. <http://www.cbc.ca/greathumanodyssey/>

Al Jazeera (TV interview, 8/2015) <https://ajam.boxcn.net/s/wf5sm5u0upune0eonbqt8243ivfzv1x1>

Devon Yacht Club (8/2015)

Aspen Ideas Festival (6/2015) <https://www.youtube.com/watch?v=TPSAj3QsEVg>

LA Times (3/2015)

Science Friday (Radio, Sept., 2014)

Lycee Francais. Earth Day Symposium. Keynote speaker (2013, 2014)

International Center for Photography, NY City. Keynote speaker. (2014)

CNN*,* (TV interview, 2013)

*Huffington Post,* 12/7/2011 <http://www.huffingtonpost.com/peter-b-demenocal/beyond-denial-the-next-fr_b_1135050.html>

CNN with Christiane Amanpour, (TV interview, 2012), *Human Connection to Extreme Weather,*

BBC (TV 2012), *Human Evolution Series*

History Channel(TV, 2009), *How the Earth Was Made: The Sahara*

CNN (TV interview 2009)

NOVA(TV feature, 2009), *Becoming Human*

NPR(Radio, 2009) *Science Friday*

National Geographic (TV, 2009), *The End of Earth*

ABC News (TV feature, 2009) *2100*

The DNA Files, National Public Radio. “The Heat is On: Evolution in Action” (2008)

*NOVA,* (TV,2007), *Human Evolution and Climate Change*

Discover Channel(TV, 2007) *Why Ancient Egypt Fell*

National Public Radio, 2007

*Eleventh Hour* (Climate change film by Leonardo diCaprio, 2007 release)

History Channel *Little Ice Age, Big Chill* (TV, 2006)

* 1. Artist as Citizen, “Oil, Culture, Democracy” Multimedia social/political/cultural project, New York City ([www.artistascitizen.org](http://www.artistascitizen.org))

*Climate of Uncertainty* (Radio, American Public Media, 2004 release)

BBC feature*, Ancient Apocalypse* (TV, 2001)

**Teaching**:

*Graduate Courses* (\*current offerings)

\*EESC W4920 – “Paleoceanography” – Graduate-level core curriculum course co-taught with Jerry McManus and Bärbel Hönisch (2009-2011)

\* EESC W4937y – “Cenozoic Paleoceanography” (Offered Spring 2005). Graduate-level core curriculum course on ocean sediments, sedimentary geochemistry, and stratigraphic principles. P. deMenocal and W. Ryan. (2005-present)

\* EESC G9802 – “Seminar in Geochemistry”. (2000-present)

U4735 - Environmental Science for Decision-Makers", School for International and Public Affairs (SIPA). Co-Taught with Walter Pitman, Jim Simpson, and Steve Rayner (2000).

W4126 - New World Environmental Change and Cultural Interactions since the Late Pleistocene (1999, 2000) Graduate/advanced-undergraduate-level course addressing patterns and causes of Holocene climate and social change in the New World. Co-taught with Dr. David Lentz.

*Undergraduate Courses*

\* Frontiers of Science: Scientific Habits of Mind. Undergraduate core curriculum course led by Profs. David Helfand and Darcy Kelley (2003-2011).

\* V1003 - “Climate and Society: Case Studies”. Introductory undergraduate course addressing the interface between climate science and policy. P. deMenocal (lead; 2001-present)

V2100 – “Introduction to Earth systems: the climate system" (2100X). Advanced undergraduate course on biogeochemical systems and earth climate. Co-taught with three other profs.

V1005 - “The Design and Maintenance of a Habitable Planet" (V1005), co-taught with Dr. Wally Broecker and J. Lynch-Steiglitz. (2000).

*Graduate Students (Primary advisor):*

Mr. Sam Phelps (started fall 2013)

Mr. Yoni Goldsmith (started Fall 2012)

Dr. Cassaundra Rose (PhD., 2015, now staff scientist for AGI, Wash. D.C.)

Dr. Jennifer Arbuszewski (PhD., 2011, now post-doc at WHOI with Delia Oppo)

Dr. Sarah Feakins (Ph.D., 2007, now Associate Prof, USC)

Dr. Christa Farmer (Ph.D., 2005; now Associate Prof., Hofstra Univ.)

Dr. Heidi Cullen (Ph.D., 2000; now Executive Director, Climate Central)

Ms. Christina Reed (M.S., 1999; now GeoTimes staff writer)

*Graduate Students (Committee Member only)*

Ms. Amanda Liang (current)

Ms. Laura Hayes (current)

Ms. Logan Brenner (current)

Dr. Jesse Farmer (PhD., 2016))

Dr. Anastasia Yanchilina (PhD, 2016, now at Weizmann Institute, Israel))

Mr. Will Jacobson (withdrew)

Dr. Sanpisa Sritrairat (PhD., 2012; now Assist. Prof at Bard College)

Dr. Katherine Allen (PhD., 2012; now Assist. Prof., Univ. Maine)

Mr. Peter Almasi (withdrew)

Dr. Jennifer Amizade (PhD., 2011)

Dr. Ousmane Ndiaye (Ph.D, 2010)

Dr. Li Cao (Ph.D, 2009)

Dr. Maghan Marrero (Ed.D., 2008, Teachers College)

Dr. Christie Field (Ph.D., 2008, NASA-GISS)

Ms. Gemma Kirkwood (M.S., 2005-2007, withdrew)

Dr. Julie Ferguson (Ph.D, 2008, Oxford)

Dr. Louisa Bradtmiller (Ph.D., 2008, now faculty at Lancaster College)

Ms. Janet Fang (MS, 2008 Columbia Science Journalism Program)

Dr. Julien Emile-Gray (Ph.D., 2006, now Prof. at USC)

Dr. Celine Herweijer (Ph.D., 2006)

Dr. Kirstie Stramler (Ph.D., 2006)

Dr. Neil Pederson (Ph.D., 2005, now LDEO.)

Dr. Tom Koutavas (Ph.D., 2002; now Assistant Prof., CUNY Staten Island)

Dr. Renee Takesui (Ph.D., 2002; now USGS)

Dr. Alex Gianinni (Ph.D., 2000; now IRI Scientist)

Dr. Karen Kohfeld (Ph.D., 1997; now Assistant Prof, CUNY Queens College)

*Post-doctoral scientists sponsored:*

Dr. Cyrus Karas (2015-2016)

Dr. Renanta Nagai (2014-2015) now Assistant Professor, Brasil.

Dr. Nina Keul (2012-2014) now Future Oceans Post-Doc, Kiel, Germany

Dr. Kevin Uno (2012-2016)

Dr. Zohra Mokkadem (2012-2013)

Dr. Jess Tierney (2010-2012), now Associate Professor at Univ. Arizona

Dr. Caroline Cléroux (Gif-sur-Yvette, 2008-2010), now Assist. Scientist at NIOZ

Dr. Jennifer Cole (SUNY, Stony Brook; 2003-2005)

Dr. Mary Elliot (Gif-sur-Yvette, France) (1999-2001; now faculty at University of Edinborough)

Dr. Dan Collins (NASA/GISS) (1996-1999)

**Oceanographic Cruises:**

West African Margin (CHEETA Program with Tim Eglinton, 30 days, Summer, 2007)

Gulf of Aden (Co-chief scientist with Gerald Ganssen; 24 days, Spring 2001)

North Atlantic Greenland-Iceland multicoring cruise (Co-Chief Scientist: 28 days, Spring 1998)

Ocean Drilling Program Leg 167 (California Margin; 1996)

Ocean Drilling Program Leg 154 (Ceara Rise; 1994)

Ocean Drilling Program Leg 145 (North Pacific Transect; 1992)

Ocean Drilling Program Leg 128 (Sea of Japan; 1989)

Ocean Drilling Program Leg 117 (Arabian Sea; 1987)

Participation on 4 oceanographic expeditions in the western Atlantic (1982-1985)

**Funded Research:**

2015-present Center for Climate and Life private funding to date: $4.2M.

2012-2016 National Science Foundation, NSF P2C2; Collaborative Research: A combined proxy and model investigation of Late Holocene paleoclimate in the Horn of Africa, NSF-OCE1203295. PIs Jessica Tierney, C. Ummenhoffer, P. deMenocal.

2011-2015 National Science Foundation, NSF P2C2; Collaborative Research: Multidecadal to century-scale variability of North Atlantic SSTs over recent millennia: Quantifying the ocean’s response to solar forcing. $263,000. PIs: P. deMenocal, S. Lehmann.

2010-2014 National Science Foundation, NSF P2C2; “Mapping Saharan dust fluxes through the onset and termination of the African Humid Period”, $347,769. PIs D. McGee, G. Winckler, P. deMenocal.

2010-2014 National Science Foundation, NSF ARI-R2 Proposal; “Lamont Center for Biogeochemistry” $8,386,081.

2010-2012 National Science Foundation, NSF MRI-R2 Proposal; “Acquisition of Stable Isotope Instrumentation for High Precision Paleoclimatic and Environmental Research at the Lamont Doherty Earth Observatory”, PI’s B. Linsley, K. Anchukaitis, P. Schlosser, P. deMenocal, B. Yan, $1,160,731.

2010-2011 National Science Foundation, NSF MG&G Proposal: “The LDEO Deep-Sea Core Repository”, $254,516. (PI’s McManus, Lehnert, deMenocal, Lotti, Ryan).

2009-2012 National Science Foundation, NSF P2C2 Proposal; “North American Megadrought: Atmosphere-Ocean Forcing”. $638,135. PIs: R. Seager, B. Cook, deMenocal, et al.

2009-2012 National Science Foundation, MG&G. OCE-0927247 "Deglacial Evolution of the Tropical Atlantic ITCZ and SST Gradients” (0-30 ka BP), $365,000.

2008-2011 National Science Foundation, MG&G. "Assessing the fidelity of shell-derived 18Oseawater estimates", $360,000.

2008-2010 American Chemical Society, "Origin of the Mid-Pliocene Pole-to-Equator Ocean Productivity Shift", $100,000.

2006-2008 National Science Foundation, Earth System History, MG&G. “CHEETA: Changing Holocene environments of the eastern tropical Atlantic supplement grant, $463,000.

2004-2007 National Science Foundation, Earth System History. Tracking Past Shifts of the Eastern Pacific ITCZ with Oxygen Isotopes and Magnesium Paleothermometry. $162,500 (T. Koutavas/P. deMenocal)

2004-2008 National Science Foundation, Earth System History. “CHEETA: Changing Holocene environments of the eastern tropical Atlantic (Collaborative with Tim Eglinton, WHOI). $730,000. (30-day cruise)

2002-2008 National Science Foundation, Human Origins Program (Physical Anthropology). “Environmental dynamics and evolution of human adaptability”, $2,494,000 (lead: R. Potts, Smithsonian Inst.).

2002-2005 National Science Foundation, MG&G, “In Search of Holocene Variations in Upper/Middle North Atlantic Deep Water Circulation”, $280,000 (with T. Marchitto).

2002 Joint Oceanographic Inst., Site augmentation grant: 575-Full3, $25,000. (24-day cruise, Dutch ship *Pelagia* (Gerald Ganssen))

1999-2001 National Science Foundation, “Instrumentation and Automation Upgrade for Lamont Marine Sediment Analysis Facility, $210,000.

1999-2001 National Science Foundation, “Subtropical Signatures of Holocene Climate Variability” (with J. Ortiz), $364,697.

1998-2001 National Science Foundation, “The Holocene Record of the North Atlantic” (with G. Bond and W. Ryan), $586,330. (27-day cruise)

1997 Joint Oceanographic Inst., U.S. Science Advisory Committee: “Deep circulation and carbonate burial: A combined data-model approach”, $26,000.

1997-1999 National Science Foundation, “Modeling Climate and Deep Water Sensitivity to Changes in Deglacial Meltwater Flux Using a Fully Coupled Ocean-Atmosphere General Circulation Model”, (with D. Rind, NASA/GISS), $207,660.

1997 National Science Foundation, Funding support for international conference on: “*Modes and Mechanisms of Holocene Climate Variability*”, $10,000

1996-1998 National Science Foundation, “High- and Low-Latitude Influences on Plio-Pleistocene African Climate: Analysis of a Coupled Terrestrial-Marine Climate System”. Marine Geology and Geophysics, $150,000.

1995-1998 National Science Foundation, “Plio-Pleistocene Tephra Correlations between the Turkana Basin and Arabian Sea: Constraining African Climate-Evolution Hypotheses”. Jointly supported by Marine Geology & Geophysics, Phys. Anthropology, and Human Dimensions of Global Change, $204,662.

1994 Joint Oceanographic Inst., U.S. Science Advisory Committee: “Deep circulation and carbonate burial: A combined data-model approach”, $21,000.

1993 Joint Oceanographic Inst., U.S. Science Advisory Committee: "Downhole logs as paleoclimate tools: Biogenic and terrigenous records from Detroit Seamount Sites 883 and 884", $15,700.

1992-1994 National Science Foundation, Marine Geology & Geophysics: “Evolution of Arabian and Northeast African Terrestrial Climate Since the Late Miocene”, $150,000.

1992-1994 National Science Foundation, Geology and Paleontology: “Downhole Logs as Paleoclimate Tools: A Case Study from ODP Leg 128, Sea of Japan”, $125,000.

1989 Joint Oceanographic Inst., U.S. Science Advisory Committee, "Paleoclimatic Implications of Leg 128 Downhole Logging Results", $20,000.

1988 Joint Oceanographic Inst., U.S. Science Advisory Committee, "Correlation and Paleoclimatic Significance of Leg 117 Magnetic Susceptibility Variations", $25,800.

**Published Journal Articles and Book Chapters:**

H-index 42 (1/2017): Orcid: 0000-0002-7191-717X; Scopus Author ID: 6602677728; ResearcherID: B-1386-2013

**2017**

deMenocal, P.B., Brierley, C., Fedorov, A. The ocean’s role in the early Pleistocene expansion of East African C4 grasslands. Nature Geoscience.

Uno, K., Polissar, P., deMenocal, P.B. Molecular biomarker records from the Shungura Formation. Science, submitted.

Rose, C., Polissar, P., deMenocal, P.B. Late Miocene Age for the Sahara Desert. Nature, Submitted.

Tierney, J.E., deMenocal, P.B., Zander, P.D. A climatic context for the out-of-Africa migration. PNAS. Submitted.

McGee, D.M. and deMenocal, P.B. The African Humid Period recorded in multi-proxy data: Climatic signatures and cultural consequences. Oxford Research Encyclopedia of Climate Science. Submitted.

**2017**

100. Goldsmith, Y., Broecker, W.S., Xu., H., Polissar, P., deMenocal, P.B., Porat, N., Peng, C., Zhou, W., An, Z. Reply to Liu et al: East Asian summer monsoon rainfall dominates Lake Dali lake area changes. PNAS doi:10.1073/pnas.1703511114. (2017).

99. Ezat, M., Rasmussen, T.L., Hönisch, B., Groeneveld, J., deMenocal, P.B. A 135 kyr record of shallow subsurface pCO2 and nutrient levels from the Norwegian Sea. Nature Geoscience. DOI: 10.1038/ncomms14498. (2017).

98. Karas, C., Nürnberg, D., Tiedemann, R., Bahr, A., Groeneveld, J., Herrle, J.O., deMenocal, P.B. Pliocene oceanic seaways and global climate. Scientific Reports, 10.1038/srep39842 (2017).

97. Tierney, J.E., Pausata, F.S.R., deMenocal, P.B. Rainfall dynamics of the Green Sahara. Science Advances. Sci. Adv. 2017;3: e1601503. (2017).

96. Goldsmith, Y., Broecker, W.S., Xu., H., Polissar, P., deMenocal, P.B., Porat, N., Peng, C., Zhou, W., An, Z. Glacial to Holocene shifts in the East Asian monsoon recorded by paleoshorelines from Dali Lake, China. PNAS, doi/10.1073/pnas.1616708114 (2017).

**2016**

95. Goldsmith, Y., Ayalon, A., Bar-Matthews, M., Polissar, P., deMenocal, P.B., Broecker, W.S. The modern and LGM hydrological cycles of the Eastern Mediterranean and the Levant from a water isotope perspective. EPSL. 10.1016/j.epsl.2016.10.017 (2016).

94. Uno, Kevin T, Pratigya J Polissar, Kevin E Jackson, and Peter B deMenocal. 2016. “Neogene Biomarker Record of Vegetation Change in Eastern Africa.” Proceedings of the National Academy of Sciences, June, 201521267. doi:10.1073/pnas.1521267113. (2016).

93. Uno, K.T., Polissar, P.J., Kahle, E., Feibel, C., Harmand, S., Roche, H., deMenocal, P.B., A Pleistocene paleovegetation record from plant‑wax biomarkers from the Nachukui Formation, West Turkana, Kenya. Phil. Trans. Roy. Soc. 371: 20150235. (2016)

92. Rose, C., Polissar, P., Tierney, J.A., Filley, T., deMenocal, P.B. Changes in Northeast African Hydrology and Vegetation Associated with Pliocene-Pleistocene Sapropel Cycles. Phil. Trans. Roy. Soc. 371: 20150243. (2016).

91. Williams, R.H., McGee, D., Kinsley, C., Ridley, D.A., Hu, S., Fedorov, A., Tal, I., Murray, R., deMenocal, P.B. Glacial to Holocene changes in trans-Atlantic Saharan dust transport and dust-climate feedbacks. Science Advances, 10.1126/sciadv.1600445 (2016).

90. deMenocal, P.B. and Stringer, C. Climate and the peopling of the world. Nature. doi:10.1038/nature19471. (2016).

**2015**

89. Bradtmiller, L., McGee, D., Awaly, M., Evers, J., Yerxa, H., Kinsley, C., deMenocal, P.B. Changes in biological productivity along the northwest African margin over the past 20,000 years. Paleoceanography, 10.1002/2015PA002862 (2015).

88. Tierney, J.E., Pausata, F.S.R., deMenocal, P.B. Deglacial evolution of the Arabian Sea and the impact on the Indian monsoon. Nature Geoscience. DOI: 10.1038/NGEO2603 (2015).

87. Tierney, J.E., Ummenhofer, C., deMenocal, P.B., Past and future rainfall in the Horn of Africa. Science Advances, 2015;1:e1500682. (2015).

86. deMenocal, P.B. The End of the Humid Period. Nature Geoscience **8**, 86–87 (2015).

**2014**

85. deMenocal, P.B. Climate Shocks. Scientific American. Sept. 2014 issue, pp. 48-53. (2014).

84. Otto-Bliesner, O., Russell, J.M., Clark, P.U., Liu, Z., Overpeck, J.T., Konecky, B., deMenocal, P.B., Nicholson, S.E., He, F., Lu, Z., Coherent Changes of Northern and Eastern Equatorial Africa Rainfall During the Last Deglaciation. Science. (2014)

83. Morley, A., Rosenthal, Y., deMenocal, P.B., Ocean-atmosphere climate shift during the mid-to-late Holocene transition. 2014. Earth and Planetary Science Letters, 388, pp. 18-26. (2014).

**2013**

82. deMenocal, P.B., 2013. Marine sediment records of African climate change: Progress and puzzles. Reference Module in Earth Systems and Environmental Sciences, from Treatise on Geochemistry (Second Edition), Volume 14, 2014, Pages 99-108. (2013)

81. Cleroux, C., deMenocal, P.B., Arbuszewski, J., Linsley, B. 2013. Reconstructing the upper water column thermal structure in the Atlantic Ocean. Paleoceanography, 28, pp. 1-14. (2013)

80. Tierney, J.E., deMenocal, P.B., Abrupt shifts in Horn of Africa hydroclimate and the influence of the Indian Ocean. Science. doi 10.1126/science.1240411 (2013)

79. Arbuszewski, J., deMenocal, P.B., Cleroux, C., Bradtmiller, L., Mix, A.C. Meridional shifts of the Atlantic intertropical convergence zone since the Last Glacial Maximum. Nature Geoscience, doi:10.1038/ngeo1961. (2013)

78. Hönisch, B, Allen, K., Lea, D., Spreo, H., Eggins, S., Arbuszewski, J., deMenocal, P., Rosenthal, Y., Russel, A., Elderfield, H. 2013. The influence of salinity on Mg/Ca in planktic foraminifers - evidence from cultures, core-top sediments and complementary 18O. GCA, 121, pp. 196-213. (2013)

77. Hathorne, E., Alex Gagnon, Thomas Felis, Jess Adkins, Ryuji Asami, Wim Boer, Nicolas Caillon, David Case, Kim Cobb, Eric Douville, Peter deMenocal, Anton Eisenhauer, Dieter Garbe-Schönberg, Walter Geibert, Steven Goldstein, Konrad A. Hughen, Mayuri Inoue, Hodaka Kawahata, Martin Kölling, Florence Le Cornec, Braddock Linsley, Helen McGregor, Paolo Montagna, Intan Nurhati, Terrence Quinn, Jacek Raddatz, Helene Rebaubier, Laura Robinson, Aleksey Sadekov, Robert Sherrell, Daniel Sinclair, Sandy Tudhope, Gangjian Wei, Henri Wong, Henry Wu, Chen-Feng You. 2013. Inter-laboratory study for coral Sr/Ca and other element/Ca ratio measurements. Geochem. Geophys. Geosyst*.*, (2013).

76. deMenocal, P.B., 2013. Marine Sediment Records of African Climate Change: Progress and Puzzles. Treatise on Geochemistry (2nd Edition). (2013).

75. McGee, D., deMenocal, P.B., Winckler, G., Stuut, J.-B., Bradtmiller, L. I.. The magnitude, timing and abruptness of changes in North African dust deposition over the last 20,000 years. Earth and Planetary Science Letters, 371-372, pp. 163-176. (2013)

http://dx.doi.org/10.1016/j.epsl.2013.03.054

74. Wu, H.C., Linsley, B.K., Dassie, E., Schiralde, B., deMenocal, P.B. 2013. Oceanographic variability in the South Pacific convergence zone region over the last 210 years from multi-site coral Sr/Ca records. Geochem. Geophys. Geosyst*.*, 14 (5) doi:10.1029/2012GC004293. (2013).

**2012**

73. deMenocal, P.B., Tierney, J.E. African Humid Periods paced by Earth’s orbital changes. Nature Education 3(7):12. (2012)

**2011**

72. Cobb, K., deMenocal, P., Schwartz, S., Vermeer, M. Schmidt Receives 2011 Climate Communication Prize. EOS 93(3), p. 33. (2011).

71. Humphris, S., deMenocal, P., Edwards, K., Fisher, A., Saffer, D. The Need for Ocean Drilling. EOS. (2011)

70. Cleroux, C., deMenocal, P.B., Guilderson, T. Deglacial radiocarbon history of tropical Atlantic thermocline waters: absence of CO2 reservoir purging signal. Quat. Sci. Rev. doi:10.1016/j.quascirev.2011.04.015 (2011)

69. deMenocal, P.B. Climate and Human Evolution. Science, 311, pp. 540-541. (2011)

**2010**

68. Arbuszewski, J.A., deMenocal, P.B., Kaplan, A., Farmer, E.C. On the fidelity of shell-derived 18Oseawater estimates. Earth and Planet. Sci. Lett., doi:10.1016/j.epsl.2010.10.0 (2010).

67. Committee on the Earth System Context for Hominin Evolution (13 coauthors incl. P. deMenocal). “Understanding Climate's Influence on Human Evolution” National Research Council of the National Academies Report. National Academies Press, 115 pp. (2010).

**2009**

66. deMenocal, P.B. Chapter 1: Taking the Temperature of the Planet, *in* Climate Change: Picturing the Science. Edited by Gavin Schmidt and Joshua Wolfe. W.W. Norton Publishing, pp. 19-44 (2009).

65. deMenocal, P.B. Chapter 7: Studying Climate, *in* Climate Change: Picturing the Science. Edited by Gavin Schmidt and Joshua Wolfe. W.W. Norton Publishing, pp. 19-44 (2009).

64. Cole, J., Goldstein, S., deMenocal, P.B., Hemming, S., Grousset, F. Contrasting compositions of Saharan dust in the eastern Atlantic Ocean during the last deglaciation and African Humid Period. Earth and Planetary Science Letters, 278, pp. 257-266, 2009.

**2008**

63. Feakins, S. and deMenocal, P.B. Global and African regional climate during the Cenozoic, in Cenozoic Mammals of Africa, Editors: Werdelin, L. and Sanders. B.

62. deMenocal, P.B.. Africa on the Edge. Nature Geoscience, 1, pp. 650-651, 2008.

61. Greaves, M. et al. Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry. Geochem., Geophys., and Geosystems, 9(8), Q08010, doi:10.1029/2008GC001974, 2008.

60. Yashuhara, M., Cronin, T. M., deMenocal, P. B., Okahashi, H., and Linsley, B. K. (2008). Abrupt climate change and collapse of deep-sea ecosystems. Proc. Nat. Acad. Sciences 105, 1556-1560.

**2007**

59. Hendy, E.J., Gagan, M.K., Lough, J.M., McCoulloch, M., deMenocal, P.B. The impact of skeletal dissolution and secondary aragonite on trace element and isotopic proxies in *Porites* corals. Paleoceanography, 22, PA4101, doi:10.1029/2007PA001462, 2007.

58. Feakins, S., Brown, F.H., and deMenocal, P.B. Plio-Pleistocene Microtephra in DSDP Site 231, Gulf of Aden. J. African Earth Sciences, 48, pp. 341-352, 2007.

57. Liu, Z., Yi Wang, Robert Gallimore, Francoise Gasse, Thomas Johnson, Peter deMenocal, Jess Adkins, Michael Notaro, I. Colin Prentice, John Kutzbach, Robert Jacob, Pat Behling, Lihua Wang, Everest Ong. Simulating the Transient Evolution and Abrupt Change of Northern Africa Atmosphere-Ocean-Terrestrial Ecosystem in the Holocene. Quat. Sci. Rev, 26 (13-14), pp. 1818-1837, doi:10.1016/j.quascirev.2007.03.002, 2007.

56. Farmer, E. C., A. Kaplan, P. B. de Menocal, and J. Lynch-Stieglitz (2007), Corroborating ecological depth preferences of planktonic foraminifera in the tropical Atlantic with the stable oxygen isotope ratios of core top specimens, Paleoceanography, 22, PA3205, doi:10.1029/2006PA001361.

55. Feakins, S., Eglinton, T., deMenocal, P.B. A comparison of biomarker records of Northeast African vegetation from lacustrine and marine sediments ca. 3.4 Ma. Organic Geochemistry 38 (2007) 1607–1624.

**2006**

54. Koutavas, A., deMenocal, P.B., Olive, G.C., Lynch-Steiglitz, J. Mid-Holocene ENSO attenuation and background La Niña conditions in the tropical Pacific Ocean. Geology, 34 (12), pp. 993-996, 2006.

53. Fedorov, A, Dekens, P., McCarthy, M, Ravelo, A., deMenocal, P., Barreiro, M., Pacanowski, R., Philander, G. The Pliocene Paradox: Mechanisms for a permanent El Nino. Science, 312, pp. 1485-1489. 2006.

52. Linsley, B.K., Kaplan, A., Gouriou, Y., Salinger, J., deMenocal, P.B., Wellington, G.M., Howe, S.S. Tracking the extent of the South Pacific Convergence Zone since 1619 AD. Geochem., Geophys., and Geosystems, 7(4). Q05003, doi:10.1029/2005GC001115. 2006.

51. Adkins, J.F. deMenocal, P.B., Eschel, G. The “African Humid Period” and the record of marine upwelling from excess 230Th in ODP Hole 658C. Paleoceanography, 21, pp. 1-14. 10.1029/2005PA001200, 2006.

**2005**

50. Feakins, S.J., deMenocal, P.B., Eglinton, T.I., 2005. Biomarker records of Late Neogene changes in northeast African vegetation. Geology, v. 33; no. 12; p. 977–980; doi: 10.1130/G21814.1. 2005.

49. deMenocal, P.B. and Cook, E.P. Agents of Collapse: Megadroughts in the American West (Book review: *Collapse*, by Jared Diamond). Current Anthropology, v46, S5, pp. S91-100. 2005.

48. Farmer, E.C., deMenocal, P.B., Marchitto, T.M. Holocene and deglacial ocean temperature variability in the Benguela upwelling region: Implications for low-latitude atmospheric circulation. Paleoceanography, 20, doi:10.1029/2004PA001049. 2005.

**2004**

47. Jansen, E., deMenocal, P., Grousset, F. Holocene climate variability – a marine perspective. Quat. Sci. Rev, 23, pp.2061-2061. 2004.

46. deMenocal, P.B. African climate change and faunal evolution during the Pliocene-Pleistocene. Earth and Planetary Science Letters (Frontiers*)*. 220, 1/2, 3-24. 2004.

44. Rosenthal, Y. et al. Interlaboratory comparison study of Mg/Ca and Sr/Ca measurements in planktonic foraminifera for paleoceanographic research. Geochem., Geophys., and Geosystems, 5 (4). doi:10.1029/2003GC000650. 2004.

**2003**

43. Marchitto, T. M. and P. B. deMenocal. Late Holocene variability of upper North Atlantic Deep Water temperature and salinity. Geochemistry, Geophysics, Geosystems 4(12): 1100, doi 10.1029/2003GC000598. 2003.

42. Zabel, M., Wagner, T., deMenocal, P. Terrigenous signals in sediments from Terrigenous Signals in Sediments of the Low-Latitude Atlantic – Indications to Environmental Variations during the Late Quaternary, Part II: Lithogenic Matter. In "The South Atlantic in the Late Quaternary: Reconstruction of Mass Budget and Current Systems",Wefer, G., Mulitza, S. & Ratmeyer, V. (eds), Springer, Berlin, Heidelberg, New York. 2003.

**2002**

41. Elliot, M., deMenocal, P., Linsley, B., Howe, S. Environmental controls on the seasonal isotopic records of Mercenaria mercenaria and potential application to paleoenvironmental studies. Geochemistry, Geophysics, Geosystems 4 (7), 2002.

40. Cullen, H.M., A. Kaplan, R. Arko, and P.B. deMenocal, Impact of the North Atlantic Oscillation on Middle Eastern climate and Streamflow, Climate Change, *55*, 315-338, 2002.

**2001**

39. deMenocal, P.B., Cultural responses to climate change during the late Holocene, Science, *292*, 667-673, 2001.

38. D. Rind, G. Russell, G. Schmidt, S. Sheth, D. Collins, P. deMenocal and J. Teller. Effects of glacial meltwater in the GISS Coupled Atmosphere-Ocean Model: Part II: A bi-polar seesaw in Atlantic Deep Water production.. J. Geophys. Res*.* 106, 27355-27366. 2001.

37. D. Rind, P. deMenocal, G. Russell, S. Sheth, D. Collins, G. Schmidt, and J. Teller. Effects of glacial meltwater in the GISS Coupled Atmosphere-Ocean Model: Part I: North Atlantic Deep Water response. J. Geophys. Res*.* 106, 27335-27354. 2001.

**2000**

36. deMenocal, P.B., Ortiz, J., Guilderson, T., Sarnthein, M. Coherent High- and Low-Latitude Climate Variability during the Holocene Warm Period. Science, 288 (5474), 2198-2202. 2000.

35. Cullen, H.M. and deMenocal, P.B. North Atlantic Influence on Turkish Climate and Water Supply, Int. J. Climatology, 20(8), pgs. 853-863, 2000.

34. Cullen, H.M., P.B. deMenocal, S. Hemming, G. Hemming, F.H. Brown, T. Guilderson, and F. Sirocko, Climate change and the collapse of the Akkadian Empire: Evidence from the deep-sea, Geology, 28 (4), 379-382. 2000.

33. deMenocal, P.B, Ortiz, J., Guilderson, T., Adkins, J., Sarnthein, M., Baker, L., and Yarusinski, M. Abrupt onset and termination of the African Humid Period: Rapid climate response to gradual insolation forcing. Quat. Sci. Rev, 19, 347-361. 2000.

32. deMenocal, P.B., and Baker, L. Benthic stable isotope data from Sites 1014 and 1020 (0.6-1.2 Ma). Proc. ODP, Scientific Results, *167*, 145-146. 2000.

**1999 and prior**

31. deMenocal, P.B. and Brown, F.H. Pliocene tephra correlations between East African hominid localities, the Gulf of Aden, and the Arabian Sea. In Climatic and Environmental Change in the Neogene of Europe, Cambridge University Press, p. 23-52. 1999.

30. Catubig, N.R., Archer, D.E., Francois, R., deMenocal, P., Howard, W., Yu, E.-F. Global deep-sea burial rate of calcium carbonate during the Last Glacial Maximum, Paleoceanography, 13 (3), 298-310. 1998.

29. Partridge, T., P.B. deMenocal, S. Lorentz, M. Paiker, and J. Vogel, Orbital forcing of climate over South Africa: A 200,000-year rainfall record from the Pretoria Saltpan, Quat. Sci. Rev*.*, *16* (10), 1125-1133. 1998.

28. deMenocal, P.B., Archer, D., Leth, P. Pleistocene variations in Atlantic deep circulation and calcite burial: A combined data-model approach. Proc. ODP, Scientific Results, *154*,, 285-297. 1997.

27. Bond, G., W. Showers, M. Cheseby, R. Lotti, P. deMenocal, P. Priori, H. Cullen, I. Hadjes, and E. Bonani, A pervasive, millennial-scale cycle in the North Atlantic Holocene and Late Glacial climates, Science, *278*: 1257-1266, 1997.

26. deMenocal, P.B. and Bond, G.C. Holocene climate less stable than previously thought. EOS, 78 (41): 447-450. 1997.

25. deMenocal, P.B. and Rind, D. Sensitivity of subtropical African and Asian climate to prescribed boundary condition changes: Model implications for the Plio-Pleistocene evolution of low-latitude climate. *In* Johnson, T. and Odada, E., The Limnology, Climatology, and Paleoclimatology of West African Lakes: New York (Gordon and Breach), 57-77. 1996.

24. Partridge, T. C., Wood, B., and deMenocal, P. B., The influence of global climatic change and regional uplift on large mammalian evolution on East and southern Africa, *in* Vrba, E., Denton, G., Partridge, T. C., and Burckle, L., eds., Paleoclimate and Evolution With Emphasis of Human Evolution: New Haven, Yale Univ. Press, 330-355. 1995.

23. deMenocal, P. B., and Bloemendal, J., Plio-Pleistocene subtropical African climate variability and the paleoenvironment of hominid evolution: A combined data-model approach, *in* Vrba, E., Denton, G., Burckle, L., and Partridge, T., eds., Paleoclimate and Evolution With Emphasis on Human Origins: New Haven, Yale University Press, p. 262-288. 1995.

22. Partridge, T. C., Bond, G. C., Hartnandy, C. J. H., deMenocal, P. B., and Ruddiman, W. F., Climatic effects of late Neogene tectonism and volcanism, *in* Vrba, E., Denton, G., Burckle, L., and Partridge, T., eds., Paleoclimate and Evolution With Emphasis on Human Origins: New Haven, Yale Univ. Press, p. 8-23. 1995.

21. deMenocal, P.B. Plio-Pleistocene African climate. Science, *270*, 53-59. 1995.

20. Hagelberg, T.K., Bond, G., and deMenocal, P.B. Milankovitch forcing of millennial scale climatic variability during the Pleistocene. Paleoceanography, *9*, 4, 545-558. 1994.

19. deMenocal, P., Ruddiman, W., and Pokras, E., Influences of high- and low-latitude processes on African terrestrial climate: Pleistocene eolian records from equatorial Atlantic Ocean Drilling Program site 663. Paleoceanography, *8 (2)*; 209-242. 1993.

18. deMenocal, P., and Rind, D. Sensitivity of Asian and African climate to variations in seasonal insolation, glacial ice cover, sea-surface termperature, and Asian orography. J. Geophys. Res., *98 (D4)*; 7265-7287. 1993.

17. Bloemendal, J., King, J., A. Hunt, deMenocal, P., Hayashida, A. Origin of the sedimentary magnetic record at Ocean Drilling Program Sites on the Owen Ridge, western Arabian Sea. J. Geophys. Res., *98* *(B3)*; 4199-4219. 1993.

16. deMenocal, P. Loess, *in* Encyclopedia of Climate and Weather, S. Schneider (editor), Simon and Schuster. 1993.

15. deMenocal, P., Oppo, D., Fairbanks, R., and Prell, W. A 1.2 Myr record of mid-depth d13C variability in the North Atlantic. Paleoceanography, *7*: 229-250. 1992.

14. deMenocal, P., Bristow, J., and Stein, R. Paleoclimatic applications of downhole logs: Plio-Pleistocene results from Hole 798B, Sea of Japan. *In*: Piscotto, K.A., Ingle, J.C. Jr., von Breymann, M.T., Barron, J., et al. Proceed. ODP, Scientific Results, *127/128*, Pt. 1: College Station, TX (Ocean Drilling Program); 393-408. 1992.

13. Dunbar, R., deMenocal, P.B., and Burkle, L. Late Pliocene-Quaternary biosiliceous deposition at Site 798, Japan Sea. *In*: Piscotto, K.A., Ingle, J.C. Jr., von Breymann, M.T., Barron, J., et al. Proceed. ODP, Scientific Results, *127/128*, Pt. 1: College Station, TX (Ocean Drilling Program); 439-456. 1992.

12. Föllmi, K., et al. Dark-light rhythms in the sediments of the Japan Sea: Preliminary results from Site 798 with additional results from Sites 797 and 799. *In*: Piscotto, K.A., Ingle, J.C. Jr., von Breymann, M.T., Barron, J., et al. Proceed. ODP, Scientific Results, *127/128*, Pt. 1: College Station, TX (Ocean Drilling Program); 559-576. 1992.

11. Bristow, J.F. and deMenocal, P.B. Evaluation of geochemical log quality in ODP Hole 798B. *In*: Piscotto, K.A., Ingle, J.C. Jr., von Breymann, M.T., Barron, J., et al. Proceed. ODP, Scientific Results 127/128, Pt. 2: College Station, TX (Ocean Drilling Program); 1021-1036. 1992.

10. Bristow, J.F., Broglia, C., deMenocal, P.B, and Pratson, E.L. Data Report: Geochemical logging results from the Sea of Japan Sites 798 and 799. *In*: Piscotto, K.A., Ingle, J.C. Jr., von Breymann, M.T., Barron, J., et al. Proceed. ODP, Scientific Results, *127/128*, Pt. 2: College Station, TX (Ocean Drilling Program); 1395-1410. 1992.

9. Fagel, N., Debrabant, P., deMenocal, P., Demoulin, B. Utilasation des mineraux agileux pour la reconstitution des variations paléoclimatiques a court term en Mer d’Arabie. Oceanologica Acta, *15(2)*; 125-136. 1992.

8. deMenocal, P., Bloemendal, J. and King, J. Rock-magnetic record of monsoonal dust deposition to the Arabian Sea: Evidence for a shift in the mode of deposition at 2.4 Ma. Proceed. ODP, Scientific Results, *117*, 389-407. 1991.

7. deMenocal, P., Ruddiman, W., and Kent, D.V. Depth of post-depositional remanence acquisition: A case study of the Brunhes-Matuyama reversal and oxygen isotopic Stage 19.1. Earth and Planetary Science Letters, *99*;1-13. 1990.

6. deMenocal, P. and Bloemendal, J. High- and low-latitude climate interactions: Evidence for enhanced aridity of Asian monsoon dust source areas after 2.4 Myr from ODP Leg 117 magnetic susceptibility data. Proceedings of the Seventh Annual Pacific Climate Workshop, 18 pp., Monteray, CA. 1990.

5. Ingle, J., Suyehiro, K. and ODP Leg 127 and 128 Scientific Parties. Evolution of the Japan Sea. Nature, *346*:18-20. 1990.

4. Bloemendal, J. and deMenocal, P. Evidence for a change in the periodicity of tropical climate cycles at 2.4 Myr from whole-core magnetic susceptibility measurements. Nature, *342*:897-899. 1989.

3. Prell, W., Niitsuma, N., and Leg 117 Scientific Party. Milankovitch and Monsoons. Nature, *331*:663-664. 1988.

2. Prell, W., Niitsuma, N., and Leg 117 Scientific Party. Leg 117 finds mountains, monsoons. Geotimes, March, pp. 13-16. 1988.

1. deMenocal, P.B., Laine, E.P., and Ciesielski, P., A magnetic signature of bottom-current erosion. Physics of Earth and Planetary Interiors, *51*;326-358. 1988.

**Other (non-refereed) Publications**:

9. deMenocal., P.B (2014) Climate Shocks. Scientific American.

8. deMenocal, P.B. (2012) Beyond Denial: The Next Frontier in Climate Change. http://www.huffingtonpost.com/peter-b-demenocal/beyond-denial-the-next-fr\_b\_1135050.html

7. Koutavas, A., P. B. deMenocal, and J. Lynch-Stieglitz (2006) Holocene trends in tropical Pacific sea surface temperatures and the El Niño-Southern Oscillation, PAGES News, V. 14, No 3, December 2006.

6. deMenocal, P.B. After Tomorrow – Climate Science and Political Reality. Orion Magazine. (Invited contribution). 2004.

5. deMenocal, P.B. Linking African climate change and human evolution. JOI/USSAC Newsletter 16 (2) 12-13. 2004.

4. Ninneman, U., Janecek, T., deMenocal, P.B. Core-Log Integration Platform update (SAGAN). JOIDES Journal, 26(2), p.30-33. 2001

3. deMenocal, P.B. The answer was blowin’ in the wind - Deep-sea drilling and the link between climate change and human evolution (Chap. 10). In Lamont-Doherty Earth Observatory: Twelve Perspectives on the First Fifty Years (1949-1999), L. Lippsett, (ed.), Columbia Univ. Press (New York), p. 121-130. 1999.

2. deMenocal, P.B., African Climate and Human Evolution: The ODP Link, JOI/USSAC Newsletter, 10 (1), 1-3,

1. deMenocal, P.B. Wireline logging on the North Pacific transect. JOIDES Journal, 19 (1); 29. 1993.

**Published Abstracts:**

2016 Lawrence, K., Raymo, M., Herbert, T., deMenocal, P.B. Plio-Pleistocene Sea Surface Temperature Variability As Measured by Different Proxies – A Cautionary Tale. Fall AGU, San Francisco.

2016 Goldsmith, Y., Polissar, P., Broecker, W.S., deMenocal, P.B. The oscillating fringe and paleo-intensity of the East Asian monsoon reconstructed using closed-basin lake-area and dDwax Fall AGU, San Francisco.

2015 Phelps, S., Polissar, P. deMenocal, P.B. Declining Atmospheric pCO2 During the Late Miocene and Early Pliocene: New Insights from Paired Alkenone and Coccolith Stable Isotope Barometry. Fall AGU, San Francisco.

2015 Keul, N., Kozdon, R., deMenocal, P.B The smallest Gliders in the Ocean- Temperature Recordings from Pteropods using SIMS. Fall AGU, San Francisco.

2015 Karas, C., deMenocal. P.B. Global cooling and the role of Pliocene constrictions of tropical oceanic seaways. Fall AGU, San Francisco.

2015 Uno, K.T., Polissar, P., Jackson, K., deMenocal, P.B. The Late Miocene rise of C4 vegetation in eastern Africa documented by terrestrial plant waxes in marine cores. Fall AGU, San Francisco. INVITED.

2015 Jackson, K., Uno, K.T., Polissar, P., deMenocal, P.B. Changing Vegetation in Northeast Africa: Plant Wax Carbon Isotope Ratios Indicate Late Miocene Appearance of C4 Grasses. GSA Annual Meeting

2015 Uno, K.T., Polissar, P.J., Bonnefille, R., deMenocal, P.B. Evidence from plant wax biomarkers for ecologically-driven evolutionary events at 2.8 Ma in the Lower Omo Valley, Ethiopia. GSA Annual Meeting. INVITED.

2014 Phelps, S., Polissar, P., Stoll, H., deMenocal, P. Examining Carbon Acquisition and Allocation in Coccolithophores: Carbon Accounting to Understand Paleoproductivity. Fall AGU, San Francisco.

2014 Lawrence, K. et al., How Consistent are Sea Surface Temperature Estimates from Different Proxies? An Assessment of the Alkenone, Mg/Ca, and Faunal Paleothermometers Using Records from the Plio-Pleistocene. Fall AGU, San Francisco.

2014 Rose, C., Polissar, P., Phelps, S., deMenocal, P.B. Late Miocene Rise of C4 Vegetation in NW Africa from Leaf Wax Biomarkers. Fall AGU, San Francisco.

2014 Demeyko, R., Allen, K., deMenocal, P.B. Boron-to-Calcium Ratio in Planktic Fossil Foraminifera as a Proxy for Past Atmospheric CO2. Fall AGU, San Francisco.

2014 Uno, K.T., Polissar, P., Bonnefilee, R., Lepre, C., deMenocal, P.B. A Plio-Pleistocene molecular isotopic record of Turkana Basin vegetation. Fall AGU, San Francisco.

2014 deMenocal, P.B. Climate and Life: A Human Retrospective. Fall AGU, San Francisco. Emiliani Lecture. INVITED.

2014 C.W. Kinsley, D. McGee, L.I. Bradtmiller, J.E. Tierney; G. Winckler; J.-B. Stuut; P.B. deMenocal. North African dust deposition and hydroclimate over the last 60 ka: A combined view from the east and west of the continent. Fall AGU, San Francisco.

2014 Tierney, J.A., deMenocal, P.B. A spatiotemporal view of the African Humid Period from leaf wax isotopes. Fall AGU, San Francisco. INVITED.

2014 Rose, C., Polissar, P., deMenocal, P. Evolution of NW African Environments Since 25 Ma from Leaf Wax Biomarkers. GSA annual meeting.

2013 Uno, K. Polissar, P., Bonnefille, R. Brown, F.H., Feibel, C.S., Kahle, E., Lepre, C., Levin, N., deMenocal, P. Plant wax biomarkers in fluvial-lacustrine sediments from East Africa: Preservation, abundance, and feasibility for paleoclimate reconstructions. GSAS Annual Meeting.

2013 Uno, K. Polissar, P., Bonnefille, R. Brown, F.H., Feibel, C.S., Kahle, E., Lepre, C., Levin, N., deMenocal, P. Challenges and opportunities in stable isotope analysis of leaf waxes biomarkers in paleosols from the Omo-Turkana and Awash Basins in Eastern Africa. Fall AGU, San Francisco.

2013 Keul, N., deMenocal, P.B. Double trouble: Tracing the effect of Ocean Acidification and Ocean Warming in the shells of Arctic Pteropods. Fall AGU, San Francisco.

2013 Kinsley, C., McGee, D., Winckler, G., deMenocal, P., Stuut, J.-B., Bradtmiller, L. Changes in North African dust deposition: 35 ka through the Last Glacial Maximum. Fall AGU, San Francisco.

2013 Kahle, E., Uno, K., Polissar, P., deMenocal, P.B., Assessing preservation of biomarkers in terrestrial plants in the Turkana Basin and viability for stable isotope analysis. Fall AGU, San Francisco.

2013 Allen, K., Sikes, E., Elmore, A., Hönisch, B., deMenocal, P. Deep-water carbonate chemistry in the Southwest Pacific Ocean since the LGM. Fall AGU, San Francisco.

2013 Tierney, J., deMenocal, P.B. Abrupt shifts in Horn of Africa hydroclimate and the influence of the Indian Ocean. Fall AGU, San Francisco.

2013 Rose, C., deMenocal, P.B., Polissar, P., Tierney, J. Late Cenozoic history of North African climate and vegetation changes: Orbital and secular changes based on leaf-wax biomarkers at multiple ODP sites. Fall AGU, San Francisco.

2012 McGee, D. deMenocal, P. Winckler, G., Stuut, J,B, Williams, R. Bradtmiller, L., Mahowald, N., Albani, S. The magnitude, timing and abruptness of changes in North African dust deposition over the last 20,000 years: Insights into regional atmospheric circulation and dust-related climate impacts. Fall AGU, San Francisco.

2012 Evers, J., Yerksa, H., Bradtmiller, L., McGee, D., deMenocal, P. Using opal and organic carbon in marine sediments to assess changes in upwelling during the African Humid Period. Fall AGU, San Francisco.

2012 Arbuszewski, J.A., deMenocal, P. Mg/Ca Paleothermometry in G. ruber (white): mechanisms and calibration. (Oral presentation) Goldschmidt Conference, Montreal, Canada.

2012 deMenocal, P.B. The Ocean’s Role in the Late Pliocene Aridification of East Africa. AAAS Meeting (Vancouver). INVITED.

2012 Cleroux, C., deMenocal, P.B. Reconstructing the past thermocline circulation in the Atlantic: calcification depths and Mg/Ca-temperature calibrations for 6 deep-dwelling planktonic foraminifera. EGU Meeting.

2011      deMenocal, P., Cleroux, C, Arbuszewski, J. Tropical Atlantic ITCZ and the African Humid Period. Max Planck Inst. for Meteorology, University of Hamburg, Germany INVITED.

2011 Arbuszewski, J.A., deMenocal, P. Towards a global calibration and validation of the G. ruber (white) Mg/Ca paleothermometer. (Poster presentation) Fall EOS, AGU Fall 2011 Meeting Program with Abstracts.

2011 Caroline Cléroux, Peter deMenocal, Kristen L. Gore, David Madigan, Jennifer Arbuszewski and Brad Linsley, Reconstructing the upper water column structure along 35°N-20°S in the Atlantic: a tool to reconstruct past thermocline circulation. Talk, EGU conference, April 2011, Vienna.

2011 Bradtmiller, L., Awalt, M., McGee, D., deMenocal, P. Using opal and orgainic carbon as proxies for the North African monsoon. 2011 Goldschmidt Conf.

2011 deMenocal, P., Feakins, S., Eglinton, T. Cleroux, C, Arbuszewski, J. Late Pliocene aridification of North and East Africa. AGU Chapman Conference (Santa Fe, NM) INVITED.

2010 deMenocal, P., Feakins, S., Cleroux, C, Arbuszewski, J. Why Africa became dry in the mid-Pliocene. Fall EOS, Fall 2010 Meeting Program with abstracts. INVITED

2010 Arbuszewski, J, deMenocal, P., Kaplan, A. Towards a global calibration of the Mg/Ca paleothermometer. Fall EOS, Fall 2010 Meeting Program with abstracts.

2010 Cleroux, C, deMenocal, P., Arbuszewski, J. Deglacial evolution of the Atlantic ITCZ. Fall EOS, Fall 2010 Meeting Program with abstracts.

2010 Otto-Bliesner, B. et al. Reconstruction and Modeling of Global Climate Evolution of the Last 21, 000 years. Fall EOS, Fall 2010 Meeting Program with abstracts.

2010 Cleroux, C., deMenocal, P.B., Kaplan, A. Multispecies reconstruction of upper ocean density gradients. ICP-10, San Diego.

2010 deMenocal, P.B. Ocean-atmosphere interactions and the mid-Pliocene aridification of North Africa. PAGES Monsoon Symposium. Shanghai, China INVITED KEYNOTE.

2010 Arbuszewski, J., deMenocal, P.B., Kaplan, A. Global coretop calibration of G. ruber (white) Mg/Ca paleothermometry. ICP-10, San Diego.

2009 deMenocal, P.B., Lehman, S., Southon, J., Cleroux, C., Arbuszewski, J. Accurate decadal-resolution SST chronologies from deep-sea sediments. Fall EOS, Fall 2009 Meeting Program with abstracts.

2009 deMenocal, P.B. Abrupt Termination of the African Humid Period. AGU Chapman Conference (Ohio State Univ.). INVITED.

2008 Koutavas, T., deMenocal, P.B. Comparison of Cross-Equatorial Dynamics in the Eastern Pacific During Terminations I and II. Fall EOS, Fall 2008 Meeting Program with abstracts,

2008 Arbuszewski, J., deMenocal, P.B., Kaplan, A. Global coretop calibration and validation of G. ruber (white) Mg/Ca paleothermometry. EOS, Fall 2008 Meeting Program with abstracts.

2008 deMenocal, P.B. The African Humid Period: A view from the Deep-Sea. French Academy of Sciences, Paris.

2007 Griffith, D., Arbuszewski, J.A., Daniel Montlucon, Peter B. deMenocal, Timothy I. Eglinton, Tom Wagner. Preliminary Results from the CHEETA Cruise transect: Intercomparison and calibration of Mg/Ca, d18O, UK37’ and TEX86 SST proxies, EOS, Fall 2007 Meeting Program with abstracts, 2007.

2007 Eniola, O. Talbot, H. Wagner, T., deMenocal, P.B., Eglinton, T.I. Preliminary Results From The CHEETA Cruise Transect: Bulk And Molecular Proxies For Terrigenous Organic Matter Supply, EOS, Fall 2007 Meeting Program with abstracts, 2007.

2007 Arbuszewski, J., deMenocal, P.B., Kaplan, A., Evolution of tropical Atlantic SST Gradients since the LGM and associated shifts of the marine Atlantic ITCZ: a new look using new salinity and temperature calibrations. EOS, Fall 2007 Meeting Program with abstracts, 2007.

2007 deMenocal, P.B., Arbuszewski, J., Kaplan, A., and Bice, M. On the fidelity of d18Oseawater estimates using foraminferal shell d18O and Mg/Ca. EOS, Fall 2007 Meeting Program with abstracts, 2007.

2006 deMenocal, P.B., Marchitto, T., Linsley, B.K., Guilderson, T. Abrupt Climate change. National Academy of Science, Frontiers of Science program. INVITED.

2006 deMenocal, P.B., Raymo, M., Lynch-Steiglitz, J., Philander, G. Pliocene-Pleistocene shifts in tropical Atlantic ocean-atmosphere coupling. Fall AGU, San Francisco. INVITED

2006 Koutavas, T., deMenocal, P.B. Equatorial Pacific Ocean Dynamics Viewed From the Northern Cocos Ridge: Oxygen Isotopic Variability During the Last Two Glacial Cycles. Fall AGU, San Francisco.

2006 Bice, M., deMenocal, P., Arbuszewski, Jennifer A. Reconstructing Atlantic d18Oseawater gradients using foraminiferal Mg/Ca and d18O. Fall AGU, San Francisco.

2006 Sejrup, H-P, Lehman, S., Lund, D. and deMenocal, P. Response of Late Holocene Nordic Sea temperatures to solar forcing. Fall AGU, San Francisco.

2006 Arbuszewski, Jennifer A. and Peter B. deMenocal. Reconstruction of Tropical Atlantic Sea Surface Temperature Gradients since the Last Glacial Maximum. Fall AGU, San Francisco.

2005 Linsley, B.K., Kaplan, A, Gouriou, Y., Salinger, J., deMenocal, P.B., Wellington, G.M., Howe, S.S. Tracking the extent of the South Pacific Convergence Zone since 1619 AD. AGU Fall meeting, San Francisco.

2005 Feakins, S.J., deMenocal, P.B., Eglinton, Orbital-scale vegetation variability in northeast Africa during the Plio-Pleistocene. AGU Fall meeting, San Francisco.

2005 deMenocal, P.B., Marchitto, T., Linsley, B.K., Guilderson, T. Latest Holocene changes in Northwest Atlantic surface and deep water temperatures: Links to solar variability. INVITED Keynote. NASA/EOS Solar Radiation and Climate Experiment (SORCE) Keynote lecture (2005). Durango, CO.

2005 deMenocal, P.B., Marchitto, T., Linsley, B.K., Guilderson, T. Amplitude and phasing of surface and deep NW Atlantic Ocean temperature changes during the latest Holocene. NSF-ESH Holocene PI’s Meeting (Washington, D.C.)

2005 Koutavas, A., deMenocal, P., Lynch-Steiglitz, J. Oxygen isotope and Mg/Ca constraints on the east Pacific equatorial front from the LGM to the Holocene. Spring AGU.

2004 Cole, J.M., deMenocal, P.B., Goldstein, S.L., and Adkins, J.F. 2004. LGM to Holocene African climate variability and the Sr, Nd, and Pb isotope ratios of eolian deposits off northwest Africa. Eos Transactions AGU 85(46), Fall Meeting Suppl., Abstract U14A-04.

2004 Cole, J.M., deMenocal, P.B., Goldstein, S.L., and Adkins, J.F. 2004. Changes in Holocene climate and the Sr, Nd, and Pb isotope ratios of eolian sediments off northwest Africa. 8th International Conference on Paleoceanography. Biarritz, France.

2004 Linsley, B.K., Wellington, G., Kaplan, A., deMenocal, P.B Decadal and lower frequency South Pacific climate variability since 1619 AD from replicated coral records. Fall AGU (San Francisco).

2004 deMenocal, P.B., Philander, G., Lynch-Steiglitz, J., Raymo, M. Role of the tropics in the onset of ice ages. Fall AGU (San Francisco) INVITED.

2004 Ingram, S., Eglinton, T., and deMenocal, P. Neogene environmental change: Terrestrial vegetation biomarkers in marine sediments off East Africa. Fall AGU (San Francisco) INVITED

2004 Ingram, S., Eglinton, T., and deMenocal, P. Neogene environmental change: Terrestrial vegetation biomarkers in marine sediments off East Africa. ICP-8 (Biarritz, France).

2004 deMenocal, P.B., Philander, G., Lynch-Steiglitz, J. Pliocene-Pleistocene evolution of tropical Atlantic upwelling. ICP-8 (Biarritz, France).

2004 Ingram, S., Eglinton, T., and deMenocal, P. Neogene environmental change: Terrestrial vegetation biomarkers in marine sediments off East Africa. 32nd International Geological Congress (Florence, Italy) INVITED.

2003 Farmer, E.C., deMenocal, PB, Lynch-Steiglitz, J. Using paired Mg/Ca and isotopic measurements of planktonic foraminifera to estimate tropical Atlantic thermocline shape. Fall AGU Meeting

2003 Koutavas, A., Lynch-Steiglitz, deMenocal, P. Tracking past shifts in the eastern Pacific ITCZ with foraminiferal oxygen isotopes and Mg paleothermometry. Fall AGU Meeting.

2002 deMenocal, P. Cultural responses to Holocene climate variations. Frontiers of Science Meeting, National Acad. Sci. INVITED

2002 deMenocal, P., Marchitto. Amplitude and phasing of surface and deep NW Atlantic Ocean temperature changes during the latest Holocene. Fall AGU, San Francisco, CA.

2002 Marchitto, T.M. and deMenocal. Upper North Atlantic Deep Water Variability during the Holocene. Goldschmidt Conference, Davos, Switz. INVITED PLENARY.

2001 deMenocal, P.B., Marchitto, T., Guilderson, T., Bond, G.C. Holocene variations in Labrador Sea Water, Fall AGU, San Francisco, CA.

2001 Marchitto T M, Bond G, deMenocal P B, Lynch-Stieglitz J, Ortiz J D, and van

Geen A, Reducing the ambiguity of deep water circulation reconstructions using multiple benthic foraminiferal paleonutrient proxies. ICP-VI, Hokkaido, Japan. INVITED.

2001 deMenocal, P.B. Achieving Climate Predictability using Paleoclimate Data. Abrupt changes in the African monsoon system. EURESCO Conference. (Il Ciocco, Italy). INVITED.

2000 Elliot, M., deMenocal, P, Linsley, B., Guilderson, T. Interannual Records of Sea Surface Hydrology at Cape Hatteras Obtained From Marine Bivalves During the Medieval Warm Period. AGU Fall, 2000.

2000 Rind, D. Schmidt, G., Russell, G., deMenocal, P. Southern Ocean responses to NADW changes. AGU Fall, 2000

2000 deMenocal, P.B., Ortiz, J., Adkins, J., Guilderson, T. Millennial-Scale Sea-Surface Temperature Variability During The Last Interglacial and its Abrupt Termination. AGU Fall, 2000.

2000 deMenocal, P.B. Evaluating African Climate-Evolution Hypotheses: New Constraints from the Deep-Sea. The Royal Swedish Academy of Sciences, Stockholm. INVITED

1999 Farmer, C, Kaplan, A., deMenocal, P.B., Ortiz, J. Towards a joint faunal-isotopic transfer function for reconstructing past changes in tropical upper-ocean thermal structure. EOS, Fall, 1999 AGU Meeting, San Francisco.

1999 deMenocal, P.B., Raymo, M., Boden, P. Changes in Tropical Atlantic Ocean-Atmosphere Circulation Associated with the Onset of Northern Hemisphere Glaciation EOS, Fall, 1999 AGU Meeting, San Francisco.

1999 Adkins, J., deMenocal, P.B., Ortiz, J., Sarnthein, M. Abrupt changes in terrigenous accumulation and sediment focusing off northwest Africa (ODP Site 658). EOS, Fall, 1999 AGU Meeting, San Francisco.

1999 deMenocal, P.B, and Brown, F.H. Tephrostratigraphic links between East African hominid localities and the Arabian Sea: Constraining African climate-evolution hypotheses. INVITED.

1999 Chaisson, W., deMenocal, P.B., Bond, G.C. Moving the Northwest Corner: Faunal evidence from Orphan Knoll. EOS, Spring, 1999 AGU Meeting, Boston.

1998 deMenocal, P.B., Ortiz, J., Sarnthein, M. Holocene variations in subtropical Atlantic sea-surface temperaures: links to the North Atlantic. PAGES Conference, London.

1998 Cullen, H.C. and deMenocal, P.B. Possible role of climate in the collapse of the Akkadian Empire. American Association for the Advancement of Science, Anaheim, CA. INVITED.

1998 Showers, W., Bond, G.C., U. Mikolajewicz, deMenocal, P.B. Antiphased climate patterns in the subtropical and subpolar North Atlantic during the last glaciation and the Holocene. EOS, Fall, 1998 AGU Meeting, San Francisco.

1997 deMenocal, P.B. Abrupt Holocene variations in West African upwelling. EOS, Fall, 1997 AGU Meeting, San Francisco.

1997 deMenocal, P.B.Paleoceanographic Applications of Rock-Magnetic Measurements: Recent Developments and Future Directions. EOS, Fall, 1997 AGU Meeting, San Francisco. INVITED.

1997 Brown, F.H., and deMenocal, P.B. Continuous Marine Sediment Record of East African Tephrostratigraphy: Intercalibrations of Astronomic and Radiometric Timescales. EOS, Fall, 1997 AGU Meeting, San Francisco.

1997 Cullen, H., and deMenocal, P.B. North Atlantic influence of Middle Eastern Climate and water supply, EOS, Fall, 1997 AGU Meeting, San Francisco. INVITED.

1997 Cullen, H., deMenocal, P.B., Hemming, S, Hemming, G., Brown F.H. Possible role of climate in the collapse of the Akkadian Empire:evidence from Gulf of Oman marine sediments. EOS, Fall, 1997 AGU Meeting, San Francisco.

1996 Bond, G., deMenocal, P.B., and Showers, W. Abrupt climate shifts on sub-Milankovitch timescales in the North Atlantic during the Holocene and the last glacial-interglacial cycle. EOS, Fall 1996 AGU Meeting, San Francisco. INVITED.

1995 deMenocal, P.B., King, T. Paleoclimate information from sediments and downhole logs, I: Chronostratigraphic applications. International Conference on Paleoceanography V. Halifax, Nova Scotia.

1995 deMenocal, P.B., King, T. Paleoclimate information from sediments and downhole logs, II: Quantitative applications. International Conference on Paleoceanography V. Halifax, Nova Scotia.

1995 deMenocal, P.B., Rind, D., and Healey, R. Seasonal Precipitation Changes in Africa, Asia, and Europe Due to Prescribed Climate Model Boundary Condition Changes. EOS, Fall 1995 AGU Meeting, San Francisco. INVITED.

1995 deMenocal, P.B., and King, T. Chronostratigraphic Applications of Downhole Log Data. EOS, Fall 1995 AGU Meeting, San Francisco. INVITED.

1994 deMenocal, P.B. Downhole Logs as Paleoclimate Tools: A Case Study from ODP Leg 128, Sea of Japan. EOS, Fall 1994 AGU Meeting, San Francisco. INVITED.

1994 Hagelberg, T., deMenocal, P.B., Curry, W., Shackleton, N.J., and ODP Leg 154 Scientific Party, Variations in terrigenous sedimentation on the Ceara Rise, western equatorial Atlantic: Continuous time scale integration by combined core-log measurements. EOS, Fall 1994 AGU Meeting, San Francisco. INVITED.

1993 deMenocal, P.B. Neogene evolution of subtropical African climate: Data, models, and the paleoenvironment of human evolution. EOS, Fall 1994 AGU Meeting, San Francisco. INVITED.

1993 deMenocal, P.B., Ruddiman, W.F., and Pokras, E.M. Influence of high-latitude climate on African aridity: Pleistocene eolian records from equatorial Atlantic ODP Site 663. 1993 SEPM Meeting, Penn State University. INVITED.

1993 deMenocal, P.B. Late Neogene eolian contributions to the Japan Sea, 1993 SEPM Meeting, Penn State University. INVITED.

1993 deMenocal, P.B. Subtropical African climate variability since the Late Miocene: A combined data-model approach. Proceedings of: Conference of Human Evolution and Climate Change, Airlie Foundation, Airlie, VA (Vrba, E. Denton, G., and Burckle, L., eds.). INVITED.

1992 deMenocal, P., Ruddiman, W.F., and Pokras, E.M., Influence of high-latitude climate on African aridity: Pleistocene eolian records from equatorial Atlantic ODP Site 663, 1992 Spring AGU Meeting, Montreal, Canada.

1990 deMenocal, P., Fairbanks, Oppo, D.W., Prell, W.L. A 1.2 Myr record of mid-depth d13C variability in the North Atlantic: Implications for ocean circulation and atmospheric CO2. Fall AGU Meeting, San Francisco, CA.

1990 deMenocal, P., Bloemendal, J., Rind, D., Debrabant, P. Response of Asian monsoon dust source areas to the expansion of northern Hemisphere glaciers after 2.4 Myr. Fall AGU Meeting, San Francisco, CA.

1990 deMenocal, P., and Bristow, J. Downhole measurement data as paleoclimatic indicators: A Plio-Pleistocene record of Asian eolian dust deposition to the Sea of Japan. Proceedings of the Fifth Conference of the Circum-Pacific Council for Energy and Mineral resources, Honolulu, HI.

1990 deMenocal, P., Bloemendal, J., and King, J. Rock-magnetic record of monsoonal dust deposition to the Arabian Sea: Evidence for a shift in the mode of deposition at 2.4 Ma. Proceedings of the Seventh Annual Pacific Climate (PACLIM) Workshop, Monteray, CA.

1989 Bloemendal, J. and deMenocal, P. The application of whole-core magnetic susceptibility logging to the resolution of climatic cycles in deep-sea sediments: Results from ODP sites in the eastern equatorial Atlantic and the Arabian Sea. International Conference on Paleoceanography III, Cambridge University, Cambridge, England. INVITED.

1989 Bloemendal, J., King, J.W., deMenocal, P.B., and S.-J. Doh. Paleoceanographic applications of rock magnetism: Core correlation, sediment source tracing and resolution of climatic cycles. International Conference on Paleoceanography III, Cambridge University, Cambridge, England. INVITED.

1989 deMenocal, P.B., Bloemendal, J., and King, J. Rock-magnetic record of eolian deposition from the Asian monsoon. EOS.

1989 deMenocal, P.B., Bloemendal, J. and Rind, D. Late Neogene evolution of the Asian monsoon. EOS.

1988 deMenocal, P.B. Depth-dependence of nutrient-oxygen ratios: Evidence from isopycnal surfaces in the deep Atlantic. EOS, v. 44, n. 1, p. 1108.

1988 deMenocal, P.B., and Bloemendal, J. Episodes in the late Neogene development of the Asian monsoon: Evidence from Leg 117 magnetic susceptibility data. EOS v.44, no. 1, p. 1245.

1988 Bouquillon, A, deMenocal, P., and Debrabant, P. Alternances clair-sombre dans les sediments Cenozoiques du NW de l'Océan Indien. Groupe Français des Argilles, Paris.

1987 deMenocal, P.B., and Laine, E.P. Development and application of a magnetic signature of bottom current erosion. EOS, v. 68, no. 44, p.1258.

1985 deMenocal, P.B., and Laine, E.P. Magnetic signatures of bottom-current erosion. EOS v. 66, no. 18, p. 251. INVITED.

1984 deMenocal, P.B. and Laine, E.P., Resolution of short-term erosional events in deep-sea sediments. SEPM Tech. Prog., v. 1, p. 2.

1982 Mehrtens, C. and deMenocal, P.B., Spatial distribution of carbonate turbidites in the Trenton Group limestones (mid-Ordovician) in New York. GSA Bulletin Abst. w/ Prog., v. 14, 2, p. 65.