

## CURRICULUM VITAE

### PETER B. de MENOCA

President and Director  
Woods Hole Oceanographic Institution

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### Professional Profile

I am the 11<sup>th</sup> president and director of Woods Hole Oceanographic Institution, the world's leading, independent non-profit organization dedicated to ocean research, exploration, and education for over 90 years. As marine geologist and paleoclimatologist, I use deep-sea ocean sediments as archives of how and why oceans and climate have changed in the prehistoric past to better understand the future. Using geochemical analyses, my research explores the causes, rates, and impacts of African paleoclimate change, including links to human evolution.

Prior to assuming leadership of WHOI, I was the Thomas Alva Edison/Con Edison Professor in the Department of Earth and Environmental Sciences at Columbia University's Lamont-Doherty Earth Observatory. I served for four years as Columbia's Dean of Science for the Faculty of Arts & Sciences and founded Columbia's Center for Climate & Life, a climate solutions research accelerator.

### 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).

### Appointments

|               |   |
|---------------|---|
| 2020- Present | President and Director, Woods Hole Oceanographic Institution                        |
| 2022- Present | Thomas Alva Edison/Con Edison Professor Emeritus, Columbia University               |
| 2016 - 2019   | Dean of Science, Faculty of Arts and Sciences, Columbia University                  |
| 2015 - 2020   | Founding Director. Columbia Center for Climate and Life                             |
| 2017 - 2020   | Committee on Global Thought, Columbia University                                    |
| 2009 - 2020   | Professor, Earth Institute, Columbia University                                     |
| 2007 - 2020   | Professor, Dept. of Earth and Environmental Sciences, Columbia University           |
| 2019 - 2020   | Faculty Affiliate, Columbia Center on Global Energy Policy                          |
| 2016          | Chair-elect, Columbia Earth Institute Faculty (declined to become Dean of Science)  |
| 2015-2018     | Vice Chair, Columbia Earth Institute Faculty  |
| 2011- 2014    | Department Chair, Department of Earth and Environmental Sciences                    |
| 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

|           |  |
|-----------|--|
| 1999-2020 | Faculty member, Department of Earth and Environmental Sciences.                            |
| 1992-1998 | Associate Research Scientist, Lamont-Doherty Earth Observatory of Columbia University.     |
| 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**

2021 Fellow, American Association for the Advancement of Science  
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)  
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**

2021 Segal Lecture, Marine Biological Laboratory  
2018 Bloomer Lecture, St. Lawrence University  
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*

### **Pro Bono / Board Memberships**

2021- present Ocean Vision, Steering Committee  
2014-2020 Vestry, [St. Bartholomew's Church](#) NYC  
2019-present Advisory Board, [Urban Ocean Lab](#)  
2019-present Board member, OneEarth (Cell Press)

2019-present Advisory Board, [Citizen's Climate Lobby](#)  
 2019-present Advisory Board, [Boma Brain Trust](#)  
 2017-present Board member, [World Surf League PURE](#)

## Professional Service:

### *Committees:*

2012-2019 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, 2019 BlackRock, NYC "The 21<sup>st</sup> Century Energy Transition", Joint with CU Business School  
 May, 2018 UBS, NYC "Sea level rise and coastal real estate", Joint with CU Business School  
 Mar. 2018 Alliance Bernstein, San Francisco "Climate-Business conference"  
 Feb, 2018 UBS, NYC "Why Climate Science Matters for Investors"  
 Nov., 2017 IBS Conference on Climate Change and Human Migration, Pusan, Korea. (Invited)  
 Nov., 2017 Climate Change in Africa, in Marrakech, Morocco. PAGES (Invited)  
 Sept., 2017 IODP-PAGES Workshop on Global Monsoon in Long-term Records. Shanghai, China (Invited)  
 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 Bruce Usher, CUBS).  
 Sept 2016 C3 Summit, New York, Panel on climate and security with Gen. Petraeus.  
 Sept 2016 Oxford University, Human Evolution in Structured Populations (Keynote)  
 Sept 2016 Blouin Creative Leadership Summit, Metropolitan Club, NYC (Panel with Andy Revkin).  
 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. Collège 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 Centenary 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)*

MBL (2021), MIT (2018), 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, Expert Group Meeting on Sustainable Development Goal 17 (April 12, 2019)  
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:

2020 Co-Chair Lamont-Doherty Vision Committee for the Columbia Climate School  
2017-present Committee on Global Thought (Columbia University)  
2016-2019 Columbia Global Center member (Nairobi, Kenya)  
2016-2019 Dean of Science, Faculty of Arts and Sciences, Columbia University  
2015-2016 Department Vice Chair, *Earth Institute Faculty*  
2015-2018 Exec. Committee, Columbia Sustainability Plan  
2015-2018 Search Committee, Earth Institute Director  
2015-2018 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, Paleocyanography Research Scientist selection committee  
2005-2010 Columbia Univ. IGERT Program Applied Math & Dept. Earth Env. Sciences Faculty  
2003-2010 *Frontiers of Science* curriculum planning  
2003-2018 CU-DEES, Planning Committee  
2003-2018 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, Paleocyanography 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/Paleocyanography)  
1999-2002 Executive Committee, Lamont-Doherty Earth Observatory  
2001 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

### Op-Ed and Blog Contributions

Can we harness the natural power of the ocean to fight climate change? [The Hill](#), Sept. 30, 2021  
 Our Future is in Our Hands, [Boston Globe](#), Aug. 16, 2021  
 Science is the way forward, [Boston Globe](#), Nov. 30, 2020. s  
 Harvey, Irma, and the economic risks of doing nothing. [Huffington Post](#) Sept. 16, 2017.  
 Fixing the Climate Innovation Gap. [Huffington Post](#) May 1, 2015.  
 Beyond Denial: The Next Frontier in Climate Change. [Huffington Post](#), Dec. 7, 2011.

### Outreach and Media (Selected)

Need to Avoid Carbon 'Gold Rush' in the Ocean, [Bloomberg TV](#), Sept. 24, 2021.  
 Scientists Are Excited To Return To A 'Rational Perspective On The World' With Biden Administration, [WGBH](#), Dec. 20, 2020  
 GOP Bill will seek to commit US to planting 3.3 billion trees annually. [The Hill](#) 2/2/2020  
 Second Hottest Year on Record Capped Warmest-Ever Decade. [Bloomberg News](#) 1/15/2020  
 Climate Week. [CBS This Morning](#) 9/28/2019  
 How a 7th-grader's strike against climate change exploded into a movement, [Washington Post](#), 2/16/2019  
 "Here's the Thing" with Alec Baldwin, [WNYC/NPR](#) radio 2/5/2019  
 How a small start-up firm wants to revitalize climate change research [Washington Post](#) 4/9/2018  
 California scientists push to create massive climate-research programme [Nature](#) 8/16/2017  
 Antarctica: Life Under the Ice. [National Geographic Explorer](#). (pw: Explorer17) 7/1/2017  
 Just don't call it 'climate change': What Republicans in Dallas can teach us about saving the planet [Business Insider](#), 6/30/2017.  
 Experts offer optimism that Trump pulling the US out of the Paris Agreement won't doom the planet. [Business Insider](#) 6/3/2017.  
 Bon Voyage to the Paris Accord, June 2017. [MetroFous WNET](#).  
 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://voxpathuli.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](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/>  
 University seeks private donations to offset climate funding crunch. (2/2016) *Nature*. doi:10.1038/nature.2016.19260  
 Green Growth (2/2016) *Green growth*. *Nature*. <https://www.nature.com/news/green-growth-1.19278>  
 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)  
 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)  
 2004-5 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 Hönlisch (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):*

- Dr. Cassandra Rose (PhD., 2015, now staff scientist for AGI, Wash. D.C.)
- Dr. Jennifer Arbuszewski (PhD., 2011, now ARS at WHOI)
- 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 Communications Director, MBARI)
- Ms. Christina Reed (M.S., 1999; now GeoTimes staff writer)

*Graduate Students (Committee Member only)*

Mr. Lloyd Anderson (Started Fall 2018)  
Mr. Nick O'Mara (Started Fall, 2017)  
Mr. Sam Phelps (Ph.D., 2020; Post-Doc at Harvard)  
Ms. Amanda Liang (M.S., 2017, withdrew)  
Ms. Laura Hayes (Ph.D., 2019)  
Dr. Yoni Goldsmith (PhD, 2017; now faculty at Weizmann Institute, Israel)  
Dr. Logan Brenner (PhD, 2017; now faculty at Barnard College)  
Dr. Jesse Farmer (PhD., 2016; now Post-Doc at Princeton)  
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. Rachael Lupien (2019-present)  
Dr. Cyrus Karas (2015-2016)  
Dr. Renata Nagai (2014-2015) now Assistant Professor, Brasil.  
Dr. Nina Keul (2012-2014) now Future Oceans Post-Doc, Kiel, Germany  
Dr. Kevin Uno (2012-2016) now LARP at LDEO  
Dr. Zohra Mokkaem (2012-2013)  
Dr. Jess Tierney (2010-2012), now Associate Professor at Univ. Arizona  
Dr. Caroline Cl  roux (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 Edinburgh)  
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:**

2015-2020 Center for Climate and Life, Philanthropic funds raised: \$15.3 million.  
 2016-2021 National Science Foundation, NSF; Lamont-Doherty Core Repository \$1.079M. PIs: M. Raymo, P. deMenocal, N. Anest, T. Kenna.  
 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. Ummenhofer, 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  $\delta^{18}\text{O}$  seawater 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.

### Edited Books

Carrión, J.S., Scott, L., deMenocal, P.B., 2019. Palaeofloras, palaeovegetation and human evolution. Elsevier Press. (2019).

### Published Journal Articles and Book Chapters:

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Orcid: 0000-0002-7191-717X; Scopus Author ID: 6602677728; ResearcherID: B-1386-2013

#### Submitted/in review

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

Dyer, K., Hönish, B., deMenocal, P. Ocean warming has larger impact on foraminiferal species abundance than ocean acidification over the last deglacial transition. Submitted.

Mg/Ca ratios in *Trilobatus sacculifer* and implications for individual foraminifera palaeoceanographic reconstructions. *Sci Rep* **11**, 463 (2021).  
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119. Lupien, R., Russell, J., Subramanian, A., Kinyajiu, R., Uno, K., deMenocal, P., Potts, R. The history of eastern African environmental variation and its role in the evolution and technological advancement of *Homo* since 1 Ma. J. Human Evolution.

#### 2021

120. Rustic, G.T., Polissar, P.J., Ravelo, A.C. *et al.* Relationship between individual chamber and whole shell

<https://doi.org/10.1016/j.jhevol.2021.103028>

## 2020

118. Potts, R. et al., Increased ecological resource variability during a critical transition in hominin evolution. Science Advances 2020.
117. Polissar, P., Rose, C., Uno, K., Phelps, S., deMenocal, P., Reply to: Multiple drivers of Miocene C<sub>4</sub> ecosystem expansion. Nature Geoscience. 2020. <https://doi.org/10.1038/s41561-020-0591-4>
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#### **Published Abstracts:**

#### **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](http://www.huffingtonpost.com/peter-b-demenocal/beyond-denial-the-next-fr_b_1135050.html)
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- 2020 Lupien, R., deMenocal, P.B., Uno, K., Rose, C., Polissar, P. Northeast African Plio-Pleistocene climate patterns using plant wax isotopes from Mediterranean sapropels. GSA Annual Meeting. 2020.
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  - 2019 Polissar, P., et al.. Environmental Drivers of the Late Neogene Expansion of C<sub>4</sub> Ecosystems. AGU Fall meeting, 2019.

- 2019 Nicholas A. O'Mara, Pratigya J. Polissar, Peter de Menocal, Jessica E. Tierney Wildfire and Terrestrial Plant Biomarkers in Modern West African Margin Core Top Sediments. AGU Fall meeting, 2019.
- 2019 Rachel Lupien, James Russell, Avinash Subramanian<sup>1</sup>, Kevin Uno, Peter de Menocal, Richard Potts. The role of terrestrial vegetation variations in hominin evolution and behavioral change in East Africa throughout the last one million years. AGU Fall meeting, 2019.
- 2018 O'Mara, N. Polissar, PJ, Uno, KT., Phelps, S. The Role of the Greenland-Scotland Ridge in Step-wise Cooling of the Nordic Seas from the Middle to Late Miocene. AGU Fall meeting.
- 2018 Phelps, S.R.. Polissar, PJ, Uno, KT., deMenocal ,P.B.. Neogene atmospheric *p*CO<sub>2</sub> reconstructions from haptophyte algae: methods, calibration, and application. AGU Fall meeting.
- 2018 Polissar, PJ, Uno, KT, Rose, C., Phelps, Uno, K., deMenocal, P.B. Synchronous rise of Northwest and East African C<sub>4</sub> vegetation after 10 Ma. AGU Fall meeting.
- 2018 Rustic, G.T., deMenocal, P.B., Pausata, F.S., Tropical Atlantic Variability through the Holocene from Individual Foraminifera. AGU Fall meeting.
- 2018 deMenocal, P.B. Polissar, PJ, Uno, KT, Rose, C., Phelps, S. Paleoenvironmental contexts of Hominin Evolution: Reconciling African wet-dry cycles and secular vegetation trends over the Neogene. AGU Fall meeting.
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- 2018 Uno, K.T., Polissar, P.J., deMenocal, P.B. Advances in molecular biomarker analyses of terrestrial and marine sediments for reconstructing Neogene hominin environments. GSA Annual meeting. Pardee Symposium. INVITED
- 2018 Polissar, P.J., et al., Synchronous rise of Northwest and East African C<sub>4</sub> vegetation after 10 Ma. AGU Fall 2018.
- 2018 McGee, D.W. et al. Drivers and impacts of Saharan dust variability over the last 240 kyr. Goldschmidt Conference. KEYNOTE.
- 2018 Rustic, G., deMenocal, P.B., Pausada, F. Tropical Atlantic Variability Through the Holocene from Individual Foraminifera. EGU General Assembly Meeting.
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- 2017 Goldsmith ,Y, Xu , H. Polissar, P, Broecker, W.S., deMenocal, P., Lan, L., Cheng, P., Zhou, W. and An, Z. The oscillating fringe of the East Asian monsoon. Fall GSA Meeting.

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- 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.
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- 2014 Rose, C., Polissar, P., Phelps, S., deMenocal, P.B. Late Miocene Rise of  $C_4$  Vegetation in NW Africa from Leaf Wax Biomarkers. Fall AGU, San Francisco.
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- 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.
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- 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.
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- 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.
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- 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 organic 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,  $d^{18}O$ ,  $U^{K_{37}}$  and  $TEX_{86}$  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

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- 2007 deMenocal, P.B., Arbuszewski, J., Kaplan, A., and Bice, M. On the fidelity of  $\delta^{18}\text{O}$  seawater estimates using foraminiferal shell  $\delta^{18}\text{O}$  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  $\delta^{18}\text{O}$  seawater gradients using foraminiferal Mg/Ca and  $\delta^{18}\text{O}$ . 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).
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