

## CURRICULUM VITAE

**Name:** Paul Goldberg

**Born:** Brooklyn, New York, USA

Department of Archaeology  
Boston University  
675 Commonwealth Ave.  
Boston, MA 02215

**Education:**

Ph.D. 1973 Geology, University of Michigan  
M.S. 1968 Geology, University of Michigan  
B.A. 1965 Geology, University of Colorado

**Academic Experience:**

2008-2009 – Professor, Department of Archaeology, Simon Fraser University, Burnaby, BC, Canada.

2001, September - present: Professor, Department of Archaeology, Boston University.

2006, January: Invited Professor, Laboratoire d'Anthropologie-Archéométrie, Université de Rennes 1, France.

1995, Sept. - August, 2001: Associate Professor, Department of Archaeology, Boston University.

1993, Fall: Visiting lecturer, Department of Geography, University of Texas at Austin.

1992, January – August, 1995: Research Fellow, Texas Archeological Research Laboratory, University of Texas at Austin.

1990, Fall: Visiting Associate Professor, Department of Anthropology, Harvard University.

1991-2012: Research Associate, Peabody Museum, Harvard University.

1990, August-1993, June: Research Associate, Department of Archaeology, Boston University.

1989-1990: Visiting Scholar, Department of Anthropology, Harvard University.

1985, Spring: Visiting Professor, Department of Anthropology and Sociology, University of British Columbia.

1984-1991: Associate Professor, Institute of Archaeology, Hebrew University, Jerusalem.

1979-1984: Senior Lecturer, Institute of Archaeology, Hebrew University, Jerusalem. (Chairman, Department of Prehistory, 1981-1984).

1975-1979: Lecturer, Institute of Archaeology, Hebrew University, Jerusalem.

1973-1975: Lady Davis Post-doctoral Fellow, Institute of Archaeology, Hebrew University, Jerusalem.

1972, 1973, Summers: Lecturer in Earth Science, Kingsborough Community College, Brooklyn, N.Y.

## Field Experience:

- June, 2012: Micromorphological sampling at Gault Site, Texas (M.B. Collins, director)
- June, 2010, 2011, 2012, 2013: Re-evaluation of stratigraphy of La Ferrassie, France (with H. Dibble, A. Turq, S. McPherron, and D. Sandgathe)
- November, 2011, 2012: Micromorphology and site formation processes at Neolithic site of Shalonggang, China (with O. Bar-Yosef, Xiaohong Wu)
- June, 2009: Palaeolithic site of Contrebandiers Cave, Morocco (with H. Dibble)
- August, 2009: Microstratigraphy and site formation at site of Xianrendong Cave, China
- August, 2006: micromorphological sampling of Middle Palaeolithic site, Pinilla del Valle, Spain (Enrique Baquedano, director)
- November, 2005: microstratigraphy at Early Neolithic site, Yuchanyan, Hunan Province, China (with O. Bar-Yosef and S. Weiner).
- July, 2005; June, 2009: Stratigraphy, micromorphology, and site formation at Wonderwerk Cave, South Africa (M. Chazan, dir).
- November, 2004: Micromorphology at Middle Stone Age site of Sibudu Cave, South Africa (L. Wadley, dir.).
- July, 2004: Geoarchaeology and microstratigraphy at Dmanisi, Georgian Republic (D. Lordkipanidze, C. Reid Ferring, dirs.).
- July, 2004, 2005, 2007: Geoarchaeology and microstratigraphy at Hohle Fels, Cave, Germany (N. Conard, dir.).
- June, 2003, 2004, 2005, 2006, 2007, 2010, 2012, 2013: Boston University Archaeological Field School, Talayotic-Roman-Muslim settlements in Menorca (with A. Perez-Juez, director).
- June, 2004; July/August, 2005; May/June, 2006; July, 2007; July 2008; July 2009: Geoarchaeology and microsediments at the cave of Roc de Marsal, France (H. Dibble, S. McPherron, P. Goldberg and A. Turq, dirs.).
- March, 2003; Nov., 2004; Nov. 2006: Geoarchaeology and micromorphology of Middle and Late Stone Age sites at Pinnacle Point, near Mossel Bay, South Africa (Dr. C. Marean, dir.).
- August, 2002: Geoarchaeology and micromorphology of coastal midden sites from St. Elejo Lagoon, California (B. Byrd, director).
- August, 2001: Geoarchaeology of Palaeolithic sites in Republic of Georgia (Ortvale Klade, Dzudzuana; with D. Adler, O. Bar-Yosef).
- June, July, 2001, 2002, 2003: Geoarchaeology of Pech de l'Azé IV Cave, Dordogne, France (H. Dibble and S. McPherron, dirs.).
- May, 2001: Evaluation of microstratigraphy from Neolithic sites in Southern China (with O. Bar-Yosef and S. Weiner).
- January, 2000: Assisted SUNY-Stony Brook graduate student, Jenna Cole in study of microstratigraphy and micromorphology of Middle Stone Age Blombos Cave, South Africa (Dr. C. Henshilwood, director).
- September, 1999, 2000, 2002: Almonda Caves, Portugal, geoarchaeology of Lower and Middle Palaeolithic cave deposits at Galeria Pesada (Dr. A.E. Marks director).
- August, 1999, 2000, 2001, 2002: Micromorphology and microstratigraphy from Upper Palaeolithic Hohle Fels and Geißenklösterle Caves, Germany (N. Conard, dir.).
- August, 1999; July, 2000: Stratigraphy and micromorphology of sediments from Upper Palaeolithic Üçagizili Cave, Turkey (S. Kuhn, dir.).
- June, 1999: Invited to collect micromorphology samples at Paleoindian, Hell Gap Site, Wyoming (M. Kornfeld, and G. Frison, dirs.).

August, 1998: Geoarchaeology of Tel Rechesh, Israel (assisted L.C. Nordt, Baylor Univ.; A. Joffe, dir.).

April, 1997, Nov., 1997: Evaluation of pits and tree throws from sites at Augustine Creek and Puncheon Run, Delaware (DelDOT and Louis Berger Associates).

January, 1997: Micromorphology and site formation of sediments from LSA, Blydefontein Rockshelter, S. Africa (with C.B. Bousman).

May, 1996, 1997: Micromorphology of sediments from Zhoukoudian Cave, China; with O. Bar-Yosef and S. Weiner. Evaluation of use of fire using micromorphology and FTIR.

June, 1995; August, 1997; Oct., 1998: Microstratigraphy of Bois Roche Cave, France (P. Villa and L. Bartram, dirs.).

November, 1994: Sampling for micromorphological analysis, floors from Demeter Sanctuary, and Frankish deposits from Corinth, Greece (N. Bookidis, dir.).

August, 1994: Project geologist (geomorphology, stratigraphy and micromorphology) at Bronze Age Tell of Titris Höyük, Turkey (G. Algaze, dir.).

May, 1993: Stratigraphy and micromorphology of Colha, Belize (T.R. Hester, dir.).

August, 1993: Geoarchaeological survey in the Georgian Republic (B. Isaac, dir.).

July, 1992 - February, 1993: Project geologist (sedimentology, stratigraphy, and micromorphology) at the Wilson-Leonard site, Texas (M. B. Collins, dir.).

August, 1992, 1996: Excavations at Karain and Öküzini Caves, Turkey; sedimentology and micromorphology of cave deposits (I. Yalçinkaya, dir.).

June, July, 1992-2000: Excavations at Hayonim Cave (Israel); stratigraphy, sedimentology and micromorphology of cave deposits (O. Bar-Yosef and B. Vandermeersch, dirs.).

February-March, 1992, 1993, 1995: Geology, stratigraphy and micromorphology of Die Kelders Cave, South Africa (F. Grine and R. Klein, dirs.).

December, 1991; April, 1993: Quaternary stratigraphy and geoarchaeological survey, Tennessee River, northern Alabama (B. Driskell, dir.).

September, 1991: Holocene Stratigraphy and Geoarchaeology of Rio Concho Terraces for San Angelo, Texas Wastewater Improvement Project.

July, 1991; June, 1992, 1993, 1994, 1997, 1998, 1999: Microstratigraphy, sedimentology and site formation processes at Dust Cave, Alabama (B. Driskell, dir.).

July, 1991: Microstratigraphy and sedimentary environment of Pliocene Lower Stone Age site, W. Turkana, Kenya (M. Kubinija, dir.).

Summers 1989, 1990, 1991: Gilat project, Chalcolithic settlement in northern Negev; stratigraphy and site formation processes (T.E. Levy, dir.).

May, 1989; September, 1995, 1996, 1997, 1998: Gorham's Cave Excavations, Gibraltar (C. Stringer, dir.); stratigraphy, sedimentology and palaeoenvironments of cave deposits (with R.I. Macphail).

April, 1986, 1987; July, 1988: micromorphology, microstratigraphy and site formation processes at Keatley Creek site, British Columbia (B. Hayden, dir.).

May-August, 1985: C.N.R.S. fellowship at Institut National Agronomique, Paris; micromorphology of sediments from Neolithic/Bronze Age Fort Harrouard (with M.-A. Courty and N. Fedoroff).

August, 1983: Mousterian site in Biqu'at Quneitra, Golan Heights (N. Goren, dir.); stratigraphy, and geology of site and surroundings.

September-October, 1982-1988; summers, 1987, 1989, 1990: Franco-Israeli excavations at Kebara Cave (Israel); stratigraphy and sedimentology of cave deposits.

September-October, 1982, 1983, 1984, 1987, 1988: Chalcolithic site of Shiqmim, Northern Negev (I.E. Levy, dir.); stratigraphy, depositional and environmental history of site and area.

April, 1980: Geological aspects of Late Bronze Age site of Deir el Balah, Western Negev (I. Dothan, dir.).

May, 1980: Micromorphology of sediments from Shaw's Creek Rockshelter, Australia (M.A.J. Williams, dir.).

September, 1979-February, 1980: French Government fellowship at Institut National Agronomique, Paris; micromorphology of loess and paleosols in the Paris Basin (with N. Fedoroff).

Summer, 1978: City of David excavations, Jerusalem (Y. Shiloh, dir.); geology of Hellenistic sediments.

Springs, 1977, 1978: Hebrew Univ./Ben Gurion Univ. excavations at Qadesh Barnea, Sinai; stratigraphy and evolution of Late Quaternary landscapes and palaeoenvironments.

Fall, 1976: French Government fellowship at Institute. du Quaternaire, Univ. de Bordeaux; micromorphology of sediments from Pech-de-l'Azé II rockshelter.

January, 1974, 1975, 1976: Hebrew Univ. excavations in Gebel Maghara, Sinai; stratigraphy and evolution of Late Quaternary landscapes and palaeoenvironments.

August-October, 1972; summers 1974, 1975, 1977: Southern Methodist Univ., Central Negev Project, Israel (A.E. Marks, dir.); Late Quaternary stratigraphy, palaeoenvironments, and evolution of landscapes.

Summers 1967, 1968, 1969, 1970: Univ. Michigan/Arizona Tabun Cave excavations, Mt. Carmel, Israel (A.J. Jelinek, dir.); stratigraphy and sedimentology of cave deposits.

Summer, 1966: field assistant to W.R. Farrand, studying loess in Rhine Valley, France.

### **Grants**

September, 2009-August 2011: "Improvements to Soil Micromorphology Laboratory," National Science Foundation Grant (No. BCS-0917739).

February, 2007: "Neandertal Pyrotechnology and Burial: Excavations at Roc de Marsal". H. Dibble, PI; Co-PI. National Science Foundation (Award BCS- 0650198).

February, 2006: "Palaeolithic Pyrotechnology, High Resolution Behavioral Events, and the Neanderthal/Modern Human Question." Principal Investigator. National Science Foundation (Award BCS-0551927).

June, 2000: Purchase of and FTIR Microscope for Analysis of Art, Archeological and Geological Materials. Principal Investigator. National Science Foundation. (Award BCS-0083555)

May, 2000: Acquisition of Near-Surface Geophysical and Sampling Equipment for Earth Surface Processes and Quaternary Stratigraphic Research; Co-Principal Investigator (PI: Prof. D. FitzGerald, Earth Sciences, Boston University). National Science Foundation.

May, 1997: "Micromorphological Analysis of Zhoukoudian Cave Site". L.S.B. Leakey Foundation. (Award EAR-0079588).

January, 1996: "Alternative Evidence for Domestic Stock in Southern Africa" (co-Principal Investigator with Dr. C. Britt Bousman, Southwest Texas University). National Science Foundation. (Award SBR-9515120).

June, 1996: "Undergraduate Field and Laboratory Equipment Improvement." Principal Investigator. National Science Foundation. (Award DUE-9651492)

September, 1996. "Sedimentology of Middle and Upper Palaeolithic deposits of Gorham's Cave, Gibraltar". An extension of the previously funded project, "Excavations in the Middle-Upper Palaeolithic of Gorham's Cave, Gibraltar". National Geographic Society.

- September, 1995: “Excavations in the Middle-Upper Palaeolithic of Gorham’s Cave, Gibraltar” (Drs. Chris Stringer and Richard I. Macphail, co-Principal Investigators). National Geographic Society.
- November, 1994: “Micromorphological Analysis of Burned Layers from Hayonim and Kebara Caves, Israel.” Care Foundation, London.
- November, 1988: “Micromorphological Analysis of a Bedouin Tent Floor.” Care Foundation, London.

### **Fellowships, Awards/Honors**

- February-April, 2013: Alexander von Humboldt Senior Award; University of Tübingen, Germany.
- Pomerance Award for Scientific Contributions to Archaeology, Archaeological Institute of America, January, 2010.
- Fryxell Award, Society for American Archaeology, March, 2008
- January-August, 2004: Alexander von Humboldt Senior Award; University of Tübingen, Germany.
- Rip Rapp Award, Archaeological Geology Division, Geological Society of America, 2002.
- September-December, 1998: French Government Fellowship (“Poste Rouge”, C.N.R.S. Senior Scientist) to collaborate with Dr. Liliane Meignen at the Centre de Recherche Archéologique, Valbonne: hearths and geological history at Kebara Cave, Israel.
- November, 1996: Taft Fellowship, University of Cincinnati to present lecture, “Microscopic Views of Archaeological Sites”.
- December, 1995-January 1996: French Government Fellowship (Ministry of Higher Education), comparative micromorphology of Mousterian hearths from Kebara and Hayonim Caves, Israel. The work was conducted at the Centre de Recherche Archéologique, Valbonne with Dr. Liliane Meignen.
- May-August, 1985: French Government Fellowship (C.N.R.S. Senior Scientist) to study micromorphology of Fort Harrouard with M.A. Courty, C.N.R.S.
- September-December, 1979: French Government Fellowship (Ministry of Foreign Affairs) to study micromorphology of loess and paleosols in Northern France with N. Fedoroff, Institut National Agronomique, Paris-Plaisir.
- September-December, 1976: French Government Fellowship (Ministry of Foreign Affairs) for micromorphological study of sediments from Pech de l’Azé II Cave, Université de Bordeaux I.
- 1973-1975: Lady Davis Post-doctoral Fellowship, Institute of Archaeology, Hebrew University, Jerusalem.

### **Professional Activities:**

- Associate Editor of journal, *Geoarchaeology*
- Editorial Board of French Archaeology journal, *Palaeo*
- Editorial Board of *Eurasian Prehistory*, published by Jagellonian University and the American School of prehistoric Research, Harvard University
- Editorial Board of *Journal of Anthropological and Archaeological Sciences*
- Editorial Board of *PaleoAnthropology*
- Former (1994-2007) Co-Editor of journal, *Geoarchaeology*

Organized International Workshop on Soil Micromorphology, Boston University Sargent Camp, October, 2003  
Vice-Chair (1999), Chair (Nov., 2000), Archaeological Geology Division, Geological Society of America  
Co-Organizer (with O. Bar-Yosef), Symposium on Site-Formation Processes, Society for American Archaeology Meeting, New Orleans, April 1991  
Former Vice-President, Sub-Commission B of International Society of Soil Science (Soil Micromorphology)  
Former Guest Editor (with Z.B. Begin), *Israel Journal of Earth Sciences*, Special Issue for INQUA, August, 1987  
Former Member Soil Micromorphology Committee (S884) of the Soil Science Society of America  
Former Regional correspondent for INQUA Subcommission, Holocene of the Circum-Mediterranean Area

**Memberships:**

AMQUA (American Quaternary Association)  
Geological Society of America (Fellow)  
SEPM (Society for Sedimentary Geology)  
Society of Sigma Xi  
Society for American Archaeology  
Society for Archaeological Sciences  
Palaeoanthropology Society

## PUBLICATIONS

### Doctorate:

Goldberg, P. 1973. Sedimentology, Stratigraphy and Paleoclimatology of et-Tabun Cave, Mount Carmel, Israel. University Microfilms, Ann Arbor, Michigan.

### Books:

Goldberg, P. and R.I. Macphail, 2006. *Practical and Theoretical Geoarchaeology*. Wiley-Blackwell Publishing, Oxford.

Goldberg, P., V.T. Holliday, and C. Reid Ferring (eds.), 2001. *Earth Sciences and Archaeology*. Kluwer-Plenum, NY.

Goldberg, P., M. Petraglia, and D.T. Nash (eds.) 1993. *Formation Processes in Context*. Madison, Wisconsin, Prehistory Press, Monographs in World Archaeology No. 17.

Courty, M.A., P. Goldberg, and R.I. Macphail, 1989. *Soil Micromorphology and Archaeology*. Cambridge University Press.

### Articles:

Goldberg, P., C. Miller, N. Conard, in press. Micromorphology and site formation at Geißenklösterle Cave, Germany. In: N.J. Conard and S. Münzel (Eds), *Geißenklösterle II: Kerns Verlag: Tübingen*.

Goldberg, P., Aldeias, V., Dibble, H., McPherron, S., Sandgathe, D. and Turq, A., in press. Testing the Roc de Marsal Neandertal “Burial” with Geoarchaeology. *Archaeological and Anthropological Sciences*.

Sistiaga, A., Berna, F., Laursen, R. and Goldberg, P., in press. Steroidal Biomarker Analysis of a 14,000 Years Old Putative Human Coprolite from Paisley Cave, Oregon. *Journal of Archaeological Science*.

Lister, A.M., Dirks, W., Assaf, A., Chazan, M., Goldberg, P., Applbaum, Y.H., Greenbaum, N. and Horwitz, L.K., 2013. New fossil remains of *Elephas* from the southern Levant: Implications for the evolutionary history of the Asian elephant. *Palaeogeography, Palaeoclimatology, Palaeoecology* 386 (0), 119-130.

Miller, C.E., Goldberg, P., Berna, F., 2013. Geoarchaeological investigations at Diepkloof Rock Shelter, Western Cape, South Africa. *Journal of Archaeological Science*, 40: 3432-3452.

Soressi, M., McPherron, S.P., Lenoir, M., Dogandžić, T., Goldberg, P., Jacobs, Z., Maigrot, Y., Miller, C.E., Rendu, W., Richards, M.P., Skinner, M.M., Steele, T.E., Talamo, S. and Texier, J.-P., 2013. Neandertals made the first specialized bone tools in Europe. *Proceedings of the National Academy of Science*, 1-5.  
[www.pnas.org/cgi/doi/10.1073/pnas.1302730110](http://www.pnas.org/cgi/doi/10.1073/pnas.1302730110)

Richter, Daniel, Harold Dibble, Paul Goldberg, Shannon McPherron, Laura Niven, Dennis Sandgathe, Sahrá Talamo and Alain Turq, 2013. The Late Middle Palaeolithic in Southwest France: New TL dates for the sequence of Pech de l'Azé IV. *Quaternary International*, 294: 160-167.

- Karkanas, P., Goldberg, P., 2013. Micromorphology of Cave Sediments. . In: J. Shroder, A. Frumkin (Eds.), *Treatise on Geomorphology*. Academic Press, San Diego, CA, pp. 286–297.
- Guérin, G., Discamps, E., Lahaye, C., Mercier, N., Guibert, P., Turq, A., Dibble, H.L., McPherron, S.P., Sandgathe, D., Goldberg, P., Jain, M., Thomsen, K., Patou-Mathis, M., Castel, J.-C., Soulier, M.-C., 2012. Multi-method (TL and OSL), multi-material (quartz and flint) dating of the Mousterian site of Roc de Marsal (Dordogne, France): correlating Neanderthal occupations with the climatic variability of MIS 5-3. *Journal of Archaeological Science*. 39: 3071-3084.
- McPherron, S., Dibble, H., Goldberg, P., Lenoir, M., Sandgathe, D. & Turq, A., 2012. De Combe Grenal à Pech de l'Azé IV: L'évolution des Méthodes de Fouilles de François Bordes. In François Bordes et la Préhistoire. In *Editions du CTHS : François Bordes et la préhistoire* ; sous la direction de Françoise Delpech et Jacques Jaubert.
- Chazan, M., Avery, D.M., Bamford, M.K., Berna, F., Brink, J., Holt, S., Fernandez-Jalvo, Y., Goldberg, P., Matmon, A., Porat, N., Ron, H., Rossouw, L., Scott, L. and Horwitz, L.K., 2012. The Oldowan horizon in Wonderwerk Cave (South Africa): Archaeological, geological, paleontological and paleoclimatic evidence. *Journal of Human Evolution*, 63: 859-866.
- Harold L. Dibble, Vera Aldeias, Esteban Alvarez-Fernández, Bonnie A.B. Blackwell, Emily Hallett-Desguez, Zenobia Jacobs, Paul Goldberg, Sam C. Lin, André Morala, Michael C. Meyer, Deborah I. Olszewski, Kaye Reed, Denné Reed, Zeljko Rezek, Daniel Richter, Richard G. Roberts, Dennis Sandgathe, Utsav Schurmans, Anne R. Skinner, Teresa E. Steele, and Mohamed el-Hajraoui (2012) "New Excavations at the Site of Contrebandiers Cave, Morocco." *PaleoAnthropology* 2012:145-201.
- McPherron, Shannon P., Saha Talamo, Paul Goldberg, Laura Niven, Dennis Sandgathe, Michael P. Richards, Daniel Richter, Alain Turq, and Harold L. Dibble, 2012. Radiocarbon Dates for the Late Middle Palaeolithic at Pech de l'Azé IV, France. *Journal of Archaeological Science*, 39: 3436–3442.
- Xiaohong Wu, Chi Zhang, Paul Goldberg, David Cohen, Yan Pan, Trina Arpin, Ofer Bar-Yosef, 2012. Early Pottery at 20,000 years ago in Xianrendong Cave, China. *Science*, 336, 1696-1700.
- Turq, A., Dibble, H., Goldberg, P., McPherron, S.J.-P., Sandgathe, D., Mercier, N., Bruxelles, L., Laville, D., Madelaine, S., 2012. Reprise des fouilles dans la partie ouest du gisement de la Ferrassie, Savignac-de-Miremont, Dordogne: problématique et premiers résultats. In: P. Bertran, A. Lenoble (Eds.), *Quaternaire continental d'Aquitaine: un point sur les travaux récents Quaternaire Continental d'Aquitaine, excursion AFEQ - ASF 2012*, pp. 78-87.
- White, Randall, Romain Mensan, Raphaëlle Bourrillon, Catherine Cretin, Thomas F.G. Higham, Amy E Clark, Matthew L Sisk, Elise Tartar, Philippe Gardère, Paul Goldberg, Jacques Pelegrin, Hélène Valladas, Nadine Tisnérat-Laborde, Jacques de Sanoit, Dominique Chambellan, and Laurent Chiotti, 2012. Context and dating of Aurignacian vulvar representations : new evidence from Abri Castanet, France. PNAS. [www.pnas.org/cgi/doi/10.1073/pnas.1119663109](http://www.pnas.org/cgi/doi/10.1073/pnas.1119663109), 1-6.
- Berna, F., Goldberg, P., Horwitz, L.K., Brink, J., Holt, S., Bamford, M., Chazan, M., 2012. Microstratigraphic evidence of in situ fire in the Acheulean strata of Wonderwerk Cave, Northern Cape province, South Africa. *PNAS*, 109(20), 7593–7594.



- Goldberg, P., R.I. Macphail, 2012. Gorham's Cave sediment micromorphology. In *Neanderthals in Context*, (eds. R. N. E. Barton, C. B. Stringer and J. C. Finlayson). pp. 50-61. Oxford: Oxbow Books.
- Macphail, R. I., Goldberg, P. & Barton, R. N. E. 2012. Vanguard Cave sediments and soil micromorphology. In *Neanderthals in Context*, (eds. R. N. E. Barton, C. B. Stringer and J. C. Finlayson). pp. 193-210. Oxford: Oxbow Books.
- Macphail, R. I. & Goldberg, P. 2012. Soil micromorphology of Gibraltar Caves coprolites. In *Neanderthals in Context*, (eds. R. N. E. Barton, C. B. Stringer and J. C. Finlayson). pp. 240-42. Oxford: Oxbow Books.
- Turq, A., H. L. Dibble, P. Goldberg, S. P. McPherron, D. Sandgathe, H. Jones, K. Maddison, B. Maureille, S. Mentzer, J. Rink, and A. Steenhuyse. 2011. Les fouilles récentes du Pech de L'Azé IV (Dordogne). *Gallia Préhistoire* 53: 1-58.
- Albert, R. M., Berna, F., and Goldberg, P., 2012. Insights on Neanderthal fire use at Kebara Cave (Israel) through high-resolution study of prehistoric combustion features: Evidence from phytoliths and thin sections. *Quaternary International* 247: 278-293.
- Goldberg, P., Dibble, H., Berna, F., Sandgathe, D., McPherron, S. J. P., and Turq, A., 2012. New Evidence on Neanderthal Use of Fire: Examples from Roc de Marsal and Pech de l'Azé IV. *Quaternary International* 247: 325-340.
- Speth, J.D., Meignen, L., Bar-Yosef, O., Goldberg, P., 2012. Spatial organization of Middle Paleolithic occupation X in Kebara Cave (Israel): Concentrations of animal bones, *Quaternary International* 247: 85-102.
- Pérez-Juez, A., Goldberg, P. and Cabanes, D., 2011. Estudio interdisciplinar del hábitat post-talayótico: bioarqueología, geoarqueología y registro arqueológico para la revisión metodológica de la arqueología en Menorca *ARQUEO MEDITERRANEA* 12/2011, 139-149.
- Wadley, L., Sievers, C., Bamford, M., Goldberg, P., Berna, F., Miller, C., 2011. Middle Stone Age bedding construction and settlement patterns at Sibudu, South Africa, *Science* 334: 1388-1391.
- Sandgathe, D. M., Dibble, H. L., Goldberg, P., McPherron, S. P., Turq, A., Niven, L., and Hodgkins, J. 2011. Timing of the appearance of habitual fire use. *PNAS* 108: E298.
- Sandgathe, D. M., Dibble, H. L., Goldberg, P., and McPherron, S. P. 2011. The Roc de Marsal Neanderthal child: A reassessment of its status as a deliberate burial. *Journal of Human Evolution*, 61: 243-253.
- Rebollo, N. R., Weiner, S., Brock, F., Meignen, L., Goldberg, P., Belfer-Cohen, A., Bar-Yosef, O., and Boaretto, E., 2011. New radiocarbon dating of the transition from the Middle to the Upper Paleolithic in Kebara Cave, Israel. *Journal of Archaeological Science* 38, 2424-2433.
- Goldberg, P., 2011. Micromorphological analyses of selected samples from the depression around Tell Mozan. *Subartu* XXVIII: 61-72.
- Bar-Yosef, O., Belfer-Cohen, A., Mesheviliani, T., Jakeli, N., Bar-Oz, G., Boaretto, E., Goldberg, P., Kvavadze, E., Matskevich, Z., 2011. Dzudzuana: an Upper Palaeolithic cave site in the Caucasus foothills (Georgia). *Antiquity* 85: 331-349.
- Pustovoytov, K., Deckers, K., and Goldberg, P., 2011. Genesis, age and archaeological significance of a pedosediment in the depression around Tell Mozan, Syria *Journal of Archaeological Science*, 38: 913-924.
- Meignen, L., O. Bar-Yosef, M. Stiner, S. Kuhn, P. Goldberg, and S. Weiner. 2010. Apport des analyses minéralogiques (en spectrométrie infrarouge à transformée de Fourier) à l'interprétation des structures anthropiques : les concentrations osseuses dans les niveaux moustériens des grottes Kébara et Hayonim (Israël). *PALEO* 2010:93-107.

- Karkanas, P. and Goldberg, P., 2010. Site formation processes at Pinnacle Point Cave 13B (Mossel Bay, Western Cape Province, South Africa): resolving stratigraphic and depositional complexities with micromorphology. *Journal of Human Evolution* 59: 256-273.
- Marean, C.W., Bar-Matthews, M., Fisher, E., Goldberg, P., Herries, A., Karkanas, P., Nilssen, P.J. and Thompson, E., 2010. The stratigraphy of the Middle Stone Age sediments at Pinnacle Point Cave 13B (Mossel Bay, Western Cape Province, South Africa) *Journal of Human Evolution* 59: 234-255.
- Matarazzo, T., Berna, F. and Goldberg, P., 2010. Occupation surfaces sealed by the Avellino eruption of Vesuvius at the Early Bronze Age Village of Afragola in Southern Italy: A micromorphological Analysis. *Geoarchaeology* 25 (4), 437-466.
- Miller, Christopher E., Nicholas J. Conard, Paul Goldberg & Francesco Berna, 2010. Dumping, sweeping and trampling: experimental micromorphological analysis of anthropogenically modified combustion features. Online journal, *P@lethnologie*, <http://www.palethnologie.org/revue.php?numero=2&partie=1>
- Macphail, R. I., and Goldberg, P., 2010. Archaeological Materials. In: *Interpretation of Micromorphological Features of Soils and Regoliths*. (G. Stoops, V. Marcelino, and F. Mees, Eds.), pp. 599-622. Elsevier, Amsterdam.
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### **Abstracts and Meetings:**

- Hlubik S., Tupper M., Phillips C., Berna F., and Goldberg P. "Uses of Experimental Archaeology in the Search for the Earliest Human Use of Fire" Archaeological Sciences of the Americas Symposium 2012 Vanderbilt University, Nashville TN, October 5-6, 2012 (Poster)
- Amalia Pérez-Juez, Paul Goldberg, and Francesco Berna. Covering the Brick and Stone Walls: Plaster Analysis in Medieval Islamic Archaeology on the Balearic Island of Menorca. European Archaeological Association, 18<sup>th</sup> Annual Meeting, Helsinki, 27 August-1 September.
- Paul Goldberg, Dennis Sandgathe, Harold Dibble and Shannon McPherron, Geoarchaeological Perspectives on the Purported Roc de Marsal Neandertal Child Burial. Society for American Archaeology Annual Meeting, Memphis, TN, April 18-22, 2012.
- Christopher Miller, Mareike Stahlschmidt, Paul Goldberg, Francesco Berna, and Nicholas J. Conard. The "Hearths" of Schöningen 13-II/4 and their implication for the evidence for human control of fire in the Middle Pleistocene of Northern Europe. Society for American Archaeology Annual Meeting, Memphis, TN, April 18-22, 2012.
- Vera Aldeias and Paul Goldberg, Stratigraphy and site formation processes at Contrebandiers Cave, Morocco. Society for American Archaeology Annual Meeting, Memphis, TN, April 18-22, 2012.
- Grace Hua Zhang, Kevin Edinborough, Stephen Fonseca, Scott D. Haddow, Paul Goldberg, Rolf Mathewes, Heather Robertson, Camilla Speller, Ursula Arndt, Antonia Rodrigues, Mark Skinner, Dongya Yang. Age and Origin of a Suspected 'trophy skull': Multidisciplinary Analysis. Canadian Society of Forensic Science, Vancouver, BC, May, 2012.
- Christopher Miller, Paul Goldberg, Shannon McPherron, Michel Lenoir, 2012. A geoarchaeological investigation of site formation processes at the MTA site of Abri Peyrony, SW-France. Hugo Obermaier Annual meeting, Toulouse France, April 10-14.

- Francesco Berna, P. Goldberg, L.K. Horwitz, J. Brink, S. Holt, M. Bamford, and M. Chazan. Tracing the earliest evidence of fire; the microstratigraphic record in the Early Acheulean at Wonderwerk Cave, South Africa. Paleoanthropology Society 2012 Annual Meeting, Memphis, TN.
- Vera Aldeias, P. Goldberg, D. Sandgathe, H. Dibble, Z. Rezek, S. McPherron, and A. Turq. On the use of hearths as a tool for reconstructing Middle Palaeolithic spatial organization. Paleoanthropology Society 2012 Annual Meeting, Memphis, TN.
- Susan Mentzer, S. Kuhn, M. Stiner, P. Goldberg, Y. Asmerom, E. Gulec, and I. Baykara. The post MIS 5a Middle Palaeolithic occupations and micromorphology of combustion features from Ucagizli II, Hatay, Turkey. Paleoanthropology Society 2012 Annual Meeting, Memphis, TN.
- A. E. Clark, R. Mensan, M. Sisk, R. White, and P. Goldberg. A recently excavated Aurignacian fire feature at Abri Castanet, France. Paleoanthropology Society 2012 Annual Meeting, Memphis, TN.
- Turq, A., Dibble, H., Goldberg, P., McPherron, S.J.-P., Sandgathe, D., Mercier, N., Bruxelles, L., Laville, D., Madelaine, S., 2012. Reprise des fouilles dans la partie ouest du gisement de la Ferrassie, Savignac-de-Miremont, Dordogne: problématique et premiers résultats. In: P. Bertran, A. Lenoble (Eds.), Quaternaire continental d'Aquitaine: un point sur les travaux récents Quaternaire Continental d'Aquitaine, excursion AFEQ - ASF 2012, pp. 78-87.
- Dennis Sandgathe, Harold Dibble, Paul Goldberg, Shannon McPherron, Alain Turq, Laura Niven, Jamie Hodgkins. "The role of climate in Neanderthal fire use." SFU Human Evolutionary Studies Program Annual Symposium, February 16, 2012. Environmental influences on human genetic and cultural evolution.
- Co-Chair and participant in Forum, "Quiet Crisis in American Archaeology", Society for American Archaeology 75th Anniversary Meeting, April 14-18, 2010, St. Louis, Missouri.
- Harold Dibble, Paul Goldberg, Shannon McPherron, Denis Sandgathe, and Alain Turq: "An Overview of Roc de Marsal", Society for American Archaeology 75th Anniversary Meeting, April 14-18, 2010, St. Louis, Missouri.
- Vera Aldeias, Harold Dibble, Paul Goldberg, Shannon Patrick McPherron, and Dennis Sandgathe: "The Mousterian Combustion Features at Roc de Marsal." Society for American Archaeology 75th Anniversary Meeting, April 14-18, 2010, St. Louis, Missouri.
- Dennis Sandgathe, Harold L. Dibble, Paul Goldberg, and Shannon Patrick McPherron: "The Neandertal Child from Roc de Marsal: A Re-appraisal of its Status as an Intentional Burial." Society for American Archaeology 75th Anniversary Meeting, April 14-18, 2010, St. Louis, Missouri.
- Christopher Miller and Paul Goldberg: "Geoarchaeology, Paleoenvironments and Settlement Dynamics in the Swabian Jura: A Micromorphological Approach." Society for American Archaeology 75th Anniversary Meeting, April 14-18, 2010, St. Louis, Missouri.
- Christopher Miller, P. Goldberg, G. Porraz, J. Parkington and P.-J. Texier: "A micromorphological perspective on the anthropogenic deposits of the Howiesons Poort occupation of Diepkloof Rock Shelter, Western Cape, South Africa." Paleoanthropology Society 2010 Annual Meeting, St. Louis, Missouri.
- Paul Goldberg, F. Berna, Formation and Postdepositional processes: an integrated view using microstratigraphy and FTIR-Microscopy. Part I – Setting the scale of the archaeological



context: From geomorphology to the microscope. Workshop on Site Formation and Postdepositional Processes in Archaeology, Barcelona, 1-4 June 2010.

- Francesco Berna, Paul Goldberg, Formation and postdepositional processes: an integrated view using microstratigraphy and FTIR-Microscopy. Part II - Combustion features: high resolution window into human behavior and postdepositional processes. Formation and Postdepositional Processes in Archaeology, Barcelona, 1-4 June 2010.
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