

16 February 2020

MARIE-PIERRE, JEANNE, AUBRY

Distinguished Professor

Rutgers University, Department of Earth and Planetary Sciences, New Brunswick, NJ, USA

### **Education**

1983: Doctorat es Sciences (DSc.), Université Pierre et Marie Curie, Paris

1972: Doctorat de troisième cycle, Laboratoire de Micropaléontologie, Université P. & M. Curie, Paris

### **Honors and Awards**

**Fellow AAAS, November 2015**

**Honorary Doctorate University of Athens, October 2003.**

USA-China Committee on Scholarly communication with the People's Republic of China (CSCPRC),

National Academy of Science: Visiting Scholar (1988)

### **Professional experience**

2016–Present: Distinguished Professor, Rutgers University

2007-2016 Professor, Rutgers University

2001-2006: Research Professor, Rutgers University

2001-Present: Scientific Associate Polytechnical School, Mons, Belgium.

1993-Present: Adjunct Professor University of Vienna, Austria

1978-2000: Research scientist, Centre National de la Recherche Scientifique

1971-1978: Assistant Scientist, Université Pierre & Marie Curie, Paris

1987-Present: Visiting Guest Investigator, Woods Hole Oceanographic Institution

1981-1986: Visiting Investigator, Woods Hole Oceanographic Institution

1977-1981: Visiting Guest Investigator, Woods Hole Oceanographic Institution

1976, 1977: Visiting Guest Investigator, Technical University of Zurich

### **Member**

American Association of Petroleum Geologists (AAPG)

American Society for the Advancement of Sciences (AAAS)

American Geophysical Union (AGU)

American Paleontological Society

Geological Society of America (GSA)

International Commission on Stratigraphic Nomenclature (**ISSC; 2018-present**)

International Nannoplankton Association (INA)

North American Paleontological Association

North American Commission on Stratigraphic Nomenclature (NACSN, 2009-2021)

Society of Economic Paleontologists and Mineralogists (SEPM)

Subcommission on Neogene Stratigraphy (1986 - present)

Subcommission on Paleogene Stratigraphy (1992-2012)

### **Scientific Activities** (other than participation at congresses, conventions...)

Chairman of UNESCO/IUGS IGCP Project 308: Paleocene/Eocene Boundary Events in Space and Time, 1990-1995

Chairman of IUGS Working Group on the Paleocene/Eocene Boundary, 1989-2002

Member of Working Group 3, COSOD 2, Strasbourg, July 1987

Member of I.G.C.P. project 124: The Northwest European Tertiary Basin: 1976-1986  
Member of I.G.C.P. project 174: Geological Events at the Eocene/Oligocene Boundary (1978-1988)  
*Member of Working Groups on Paleocene stages (1994-present)*  
Member of the ODP Sea level Working group (1991-1993)  
Member of Senckenberg Conference on Paleontology in the 21st Century  
Member of the Working Group on Sequence Stratigraphy (1996-1999)  
Member of the Board of Directors of the Micropaleontology Project (2003-2009)  
Project Leader US-Egypt science and Technology Exchange Program funded by NSF International Program Division (2001-2011)  
Scientist on I.P.O.D. Leg 64, 1979.  
Scientist on O.D.P. Leg 120, February - May 1988.  
Scientist on ODP Leg 150, New Jersey Margin Transect, 1994.  
Scientific Coordinator of TYPHOON, an industry-financed Paleontologic Database managed and distributed by the Micropaleontology Project (2004-2007), and SEPM (2007-2018)  
Vice President of the Micropaleontology Project, 2005-2007

### **Scientific Research Grants (since 2001)**

- A. NGS Grant # 0107898 (2002-2003; extended until June 2005) A Paleocene/Eocene boundary Golden spike: Stratigraphic studies in the Nile Valley, Egypt (\$50,000: 25,000 to Rutgers, 25,000 to the University in Assiut)
- B. NGS Grant (2001-2002, extended 2003-2004), The Paleocene/Eocene boundary Golden spike: A Nile Valley Corehole. (\$12,000 + \$24,000)
- C. Donations from PDVSA towards research in Micropaleontology. (\$125,000)
- D. Financial support from Micropaleontology Press for edition of Volumes 6 and 7 of the Handbook of Cenozoic Calcareous Nannofossils (\$5000)
- E. TYPHOON: a web integrated micropaleontological database, in collaboration with John Van Couvering, President of the Micropaleontology Project (currently \$300,000)
- F. NGS Grant (2008, renewed 2010), TIGA (\$30,000 [2008]; \$26,000 [2010])
- G. EXXON support to Micropaleontology: 2008, 2009 (\$90,000), 2010 (\$90,000)
- H. NGS Grant (2012, extended to 10/2018), (Pleistocene climatic history and Armanian deposits); \$14,000)

### **Teaching Activities**

#### *Undergraduate teaching at Rutgers University*

- 1- "Evolution and Geological Time": Undergraduate Course 460 205, Rutgers University, 2001-2005 (T2 only). Upgraded to 460 305: Fall 2005-Fall 2010, Fall 2016–2019.
- 2- "Earth and Life": Undergraduate Course 460 212, Rutgers University, Fall 2011; Spring 2013, 2015; Fall 2015.
- 3- "Graduate Seminar": Course 460 612, Rutgers University, 2001-2006 (shared with Prof. Kent, T2 only)
- 4- "Micropaleontology" Graduate Course 460 450, Rutgers University, 2002, 2006-2009, 2012, 2013, 2014, 2015.
- 6- Capstone course "Major Events in Earth History": participation with two lectures on evolution of life, 2016, 2018, 2019, 2020.
- 5- "Paleontology" Undergraduate Course 460 303, Rutgers University, Fall 2019

Note: participation in selected graduate seminars, at least one per semester.

*Other universities, and academic and industrial institutes*

- 1- Seminar on calcareous nannofossils, University of Lyon, December 1982, December 1983, December 1984, December 1985, December 1986, December 1987, December 1988, December 1989
- 2- Invited lecturer, one week long seminar on calcareous nannofossils, Brown University, Providence, March 1985.
- 3- Invited lecturer, one week long seminar on calcareous nannofossils, University of Oslo, Norway, December 1985.
- 4- "Fossils and Oceans", course taught at the Woods Hole Oceanographic Institution, Spring semester 1986, Spring semester 1989.
- 5- Invited lecturer, one week long seminar on Biostratigraphy, University of Oslo, Norway, December 1986., December 1987, December 1988
- 6- Visiting Scholar Exchange Program Recipient, U.S. Academy of Sciences and the People's Republic of China, September 1988.
- 7- Guest Professor, University of Vienna, Austria: "Calcareous nannofossils", course taught at the University of Vienna, Austria, February 1989, April 1991.
- 8- Invited lecturer, training course in Micropaleontology and Biostratigraphy for the paleontologic staff at CEPE (National Oil Company of Ecuador, Guayaquil) sponsored by Texaco Oil Company, March 1989.
- 9- Calcareous nannofossils: Their application in Geology and Paleoceanography, Brown University, 1990-1991.
- 10- Invited lecturer, training course in Micropaleontology and Biostratigraphy for the paleontologic staff at Venezuelan Oil Companies. August 1993, September 1995, November 1995, May 1996, May 2002, 2004-2006.
- 11- Coordinator of course entitled: "Biochronology and Geochronology", University of Montpellier, 1994-2000.
- 12- University of Assiut, Egypt: one week course on 1) Stratigraphic Interpretation and 2) Calcareous Nannofossil Application to Stratigraphic and Evolutionary studies. February 2003
- 13- University of Assiut, Egypt: one week course on various aspects of Evolution (Life through the Precambrian; Major Paleozoic innovations in life; Origin of the mammals). February 2004
- 14- University of Assiut, Egypt: one-day course on evolution in the nannoplankton). February 2005
- 15- Training of geologists at PDVSA, Puerto La Cruz: two weeks course on 1) Stratigraphy, and 2) calcareous nannofossil applications to geological sciences. 2004-2011
- 16 - Training of geologists at PDVSA, Puerto La Cruz: One week course on Micropaleontology and its applications to geological sciences. 2011
- 17 - Training of geologists at PDVSA, Puerto La Cruz: One week course on Micropaleontology and its applications to geological sciences. 2013
- 18 – **Guest professor, Universidad de Caldas, Manizales, Colombia, One week course on Micropaleontology and its applications to geological sciences. 2018.**

In addition: Training of individual students towards specialization in calcareous nannofossils (including various students sponsored by international Oil Companies and Fulbright fellowships).

*Supervision of graduate students*

Rutgers University:

(boldface indicates my role as primary advisor)

*PhD program*

**Weimin Si, Dept of Earth and Planetary Sciences, Rutgers University (2013-2018)**

**Rehab Salem, Dept of Earth and Planetary Sciences, Rutgers University (2011-2014)**

**David Bord**, Dept of Earth and Planetary Sciences, Rutgers University (2007- 2013)  
Ashley Harris, Dept of Earth and Planetary Sciences, Rutgers University (2006-2011)  
Hui Liu, IMCS, Rutgers University (2006-2009)  
**Alicia Kahn**, Dept of Earth and Planetary Sciences, Rutgers University, 2003- 2006

*Co-supervisions*

**Ruigang Ma**: eps—Tongyi University, Shanghai, China (2019-2022)  
**Diego Felipe Vallejo Hincapie**: eps—University of Salamanca, Spain (2018-2022)

*Master Program*

**Julie Criscione**, Dept of Earth and Planetary Sciences, Rutgers University (2014-2016)  
**Firat Gocmenoglu**, Dept of Earth and Planetary Sciences, Rutgers University (2012-2014)  
**Dennis Sanchez**, Dept of Earth and Planetary Sciences, Rutgers University (2008-2010).  
**Alicia Kahn**, Dept of Geology, Rutgers University (2002-2003)

*Senior Thesis*

Anna Gravina, Dept of Earth and Planetary Sciences, Rutgers University ((as second reader, 2015)  
**Sarah Klingler**, Dept of Earth and Planetary Sciences, Rutgers University (2013)  
**Julie Criscione**, Dept of Earth and Planetary Sciences, Rutgers University (2013)  
**Mattheos Tsakon** Dept of Earth and Planetary Sciences, Rutgers University (Senior thesis, Spring 2012)  
**Rhiannon André-Tucker**, Dept of Earth and Planetary Sciences, Rutgers University (Senior thesis, Fall 2011)

*Aresty Program*

Ryan Galinkin, Dept of Earth and Planetary Sciences, Rutgers University (2015-2016)

*Independent Studies in Geology*

I have supervised short research projects designed for undergraduate students interested in learning about research activities. Several of the senior theses and master theses developed from these studies.

*Others:*

**Thomas Ehrendorfer**, WHOI/MIT Joint Program, 1987 to 1993 (PhD student).  
**Luc Beaufort**, University of Lyon/WHOI, 1987-1991, (thèse de Doctorat d'Université).  
Tara Keryadar, Stanford University/WHOI, 1989-1994 (PhD student).  
**Frederic Quillévé**, Université of Montpellier 1997-2001 (thèse de doctorat d'Université)  
Luc Beaufort, Université Marseille-Aix-en-Provence 2001 (these d'habilitation à la recherche)  
Nicolas Barbarin, Université Marseille-Aix-en-Provence 2011- (PhD program)

*PostDoctoral Supervision*

Woods Hole Oceanographic Institution, 1984-85  
Slezaz: Cracow University, Poland: Fulbright fellowship

University of Montpellier 1996-1997  
Viviana Reale, University of Florence, Italy: EU grant

Rutgers University 2014-2015  
Patrick Grunert: Graz University, Max Cade Fellowship

### **Invited lectures:**

Micropaleontological Society, London, Novembre 1993  
Miami International University, January 1996  
University of Athens, October 2003  
University of Assiut, February 2004  
Florida State University, March 2008  
Houston University, October 2009  
Department of Earth and Planetary Sciences, February 2012.  
Museum of Mummification, Luxor, Egypt March 2012  
Geological Society of America Annual Meeting, November 2013, session T198: Recent advances  
Department of Earth and Planetary Sciences, November 2015 (volunteered)  
The Micropaleontological Society, Annual Meeting, Plymouth University, England, 18<sup>th</sup>–18<sup>th</sup> June 2015.  
Foram and Nanno Groups, Spring Meeting, *Discoaster* Workshop, Plymouth University, 17<sup>th</sup> June 2015.  
**Universidad de Caldas, Manizales, Colombia, 2018**

### **Keynote lectures**

2015: 2<sup>nd</sup> International Congress on Stratigraphy, Graz University, Austria, 19<sup>th</sup>–23<sup>rd</sup> July 2015

### **Others**

**2017: Invited to chair session on Integration of Microfossil and Sequence Stratigraphic Data at at Microfossils IV in April 2017 (<https://nams.wildapricot.org/CALL-FOR-ABSTRACTS>)**

### **Conference organization:**

*2009-2011*

Member of the Scientific Committee, Meeting on Early Paleogene Warm Climates and Biotas, Salzburg (Austria) June 2011.

*2007-2009*

Member of the Scientific Committee, Meeting on Early Paleogene Warm Climates and Biotas, Wellington (New Zealand) January 2009.

*2006*

Coordinator, Penrose Conference on Chronostratigraphy: Beyond the GSSP, Graz (Austria) April 2006.

Member of the Scientific Committee, Meeting on Early Paleogene Warm Climates and Biotas, Bilbao (Spain) June 2006

*1986-2004*

Member of the Scientific Committee, Member of the Program Committee and inter-committee Coordinator: Meeting on Early Paleogene Warm Climates and Biotas, Luxor, Egypt, February 2004.

Co-convenor of Conference on Early Paleogene Warm Climates and Biotas, Goteborg, June, 1999

Co-convenor of Geol. Soc. France meeting on Paleocene/Eocene Boundary Events in Europe, January 1998

Co-convenor of GSA Penrose Conference on Paleocene/Eocene Boundary Events, Albuquerque, 1997

Member of the organizing committee of the Second International Conference on Paleoceanography, Woods Hole, September 1986.

Convenor of workshop on calcareous nannofossils during the Second International Conference on Paleoceanography, Woods Hole, September 1986.

Field trip leader during the 26th International Congress Paris, 1980

### **Editorship**

*Professional Scientific Journal: STRATIGRAPHY (2004—2010; 2014-Present)*

*Books, special memoirs, monographs*

- Aubry, M.-P., *Nannoplankton and Calcareous Nannofossils*, in prep., Treatise on Invertebrate Paleontology"
- Aubry, m.-P. 2020. *Coccolithophores. Cenozoic Discoasterales*. SEPM, in press.
- Aubry, M.-P., 2015. *Handbook of Cenozoic Calcareous Nannofossils*. Micropaleontology Press, New York. Online version.
- Aubry, M.-P., 2013-2017: *Cenozoic Coccolithophores..* Micropaleontology Press, New York, Atlas Series. 20+ volumes.
- Aubry, M.-P. 2005 (Guest Editor). Calcareous nannoplankton diversity. *Micropaleontology*, vol. 51, suppl. 1.
- Ouda, K., and Aubry, M.-P., Eds., 2003. Upper Paleocene-Lower Eocene Stratigraphy of the Upper Nile Valley, Egypt. *Micropaleontology*, vol. 49, Supplement, 212 pp.
- Aubry, M.-P., and Thiry, M., (Guest Editors), 2001. Paleocene/Eocene boundary Events in Europe. Proceedings of the Geological Society of France Meeting, Paris, 1998, *Bulletin de la Société Géologique de France, special volume*.
- Fluegeman, R. M., and Aubry, M.-P., (Guest Editors), 1999. Lower Paleogene Biostratigraphy of Cuba. *Micropaleontology*, Vol. 45, suppl. 2.
- Aubry, M.-P., Lucas, S., and Berggren, W. A., 1998. *Late Paleocene-early Eocene biotic and climatic events*. Columbia University Press, 513 pp. .
- Benjamini, C., and Aubry, M.-P., (Guest Editors), 1996. *Israel Bulletin of Earth Sciences*, special issue on Paleocene/Eocene boundary events. vol. 44 , n° 4, Proceedings of IGCP 308 Meeting, University of the Negev, Beer Sheva, Israel, January 1996
- Berggren, W. A., Kent, D. V., Aubry, M.-P., and Hardenbol, J. (eds), 1995. *Geochronology, Time scales and Global Stratigraphic Correlations: A Unified Temporal Framework for an Historical Geology*. Society of Economic Geologists and Mineralogists Special Volume N° 54, published 1995
- Aubry, M.-P., 1980-1999. *Handbook of Cenozoic Calcareous Nannoplankton*, Micropaleontology Press, New York

**Services to Community**

*Rutgers University*

- 2009: Celebration of Darwin Bicentennial  
Member of the Organizing Committee, Office of Undergraduate Education of Rutgers University  
Invited talk Geology Museum Open House  
Scientific host of speaker Judge Jones Co-organization of Rutgers Upward Bound Program with Office of Undergraduate Education of Rutgers University
- 2011: Organization of the Collection Center of the Department of Earth and Planetary Sciences, where the collections of mineralogy and paleontology of the department are housed.
- 2012: Talk for 3<sup>rd</sup> graders, East Falmouth Elementary School: “*Tiny Shells in the Ocean*”  
Darwin Day 2012: “*A Celebration of Charles Darwin’s Contribution to Humanity: The Unity of Life*” prepared for display in Department of Earth and Planetary Sciences
- 2012-2014: Senator, Rutgers University
- 2014 Member of the *Educating Citizens for a Dynamic World* Committee of the Rutgers Strategic Plan
- 2014–2015: Organization with graduate students of exhibit on *Marine Plankton* at Geology Museum, Rutgers University

2015-2018: SAS nominating committee  
IAC Institutional Support for International Research Subcommittee

2019-2020: Hiring committee, eps.

*Other:*

2007-2009: Scientific expert for scientific display at Hartford Science Center (Hartford, Connecticut).

## Publications

- Aubry, M-P., 1970. Importance géologique des *Nannoconus* dans les craies turonniennes de la région dieppoise. *Bulletin de la Société géologique de Normandie*, LX: 1–7.
- Aubry, M-P., 1972. *Recherches pétrographiques, stratigraphiques et paléosédimentologiques sur les craies de Haute-Normandie*. [Petrography, stratigraphy, and paleosedimentology of the Chalk in Upper Normandy]. Thèse doctorat de 3<sup>e</sup> cycle, Université de Paris VI, Paris.
- Aubry, M-P., 1973. Recherches sur la systématique des *Nannoconus* de la craie. *Cahiers de Micropaléontologie*, 4: 1–40.
- Aubry, M-P., 1973. Etude de la craie au microscope électronique à balayage: Les nannofaciès. Travaux du Laboratoire de Micropaléontologie, *Application du Microscope électronique à balayage à la paléontologie et la paléosédimentologie*, 3: 225–296.
- Aubry, M-P., 1973. Utilisation du microscope électronique à balayage: la craie vue au microscope électronique à balayage. Etude des coccolithes. *Ann. Centre rég. Docum. pédagogique, coll. Documentation et information*, Juin 1973, 29–41.
- Andri, E., and Aubry, M-P., 1973. Nouvelles méthodes de préparation de roche en vue de leur étude au microscope électronique à balayage. *Revue de Micropaléontologie*, 16: 159–167.
- Andri, E., and Aubry, M-P., 1973. Recherches sur la microstructure des tests de *Pithonella ovalis* (Kaufmann) et *Pithonella perlonga* Andri. *Revue de Micropaléontologie*, 16: 159–167.
- Bignot, G., and Aubry, M-P., 1973. Aperçu géologique sur la craie dans le Bassin de Paris. *Colloque sur la craie*, 3 et 4 Novembre 1971, C.E.T.E., Rouen.
- Aubry, M-P., and Odin, G.S., 1973. Sur la nature minéralogique du verdissement des craies: Formation d'une phyllite apparentée aux glauconies en milieu semi-confiné poreux. *Bulletin de la Société géologique de Normandie*, LXI: 11–22.
- Aubry, M-P., 1974. Techniques courantes de préparation du matériel. *Trav. Lab. Micropaléont.*, "Application du microscope électronique à balayage à la paléontologie et la sédimentologie", 3: 17–26.
- Aubry, M-P., 1974. Etude de la craie au microscope électronique à balayage. Les Nannofaciès. *Trav. Lab. Micropaléont.*, "Application du microscope électronique à balayage la paléontologie et la sédimentologie", 3: 225–296.
- Aubry, M-P., and Dépêche, F., 1974. Recherches sur les Schizosphères. I: les Schizosphères de Villers-sur-Mer: Variations morphologiques, ultrastructure et modifications diagénétiques. *Cahiers de Micropaléontologie*, C.N.R.S., 1: 1–27.
- Aubry, M-P., and Lautridou, J-P., 1974. Relations entre propriétés physiques, gélivité et caractères microstructuraux dans divers types de roches: craies, calcaires crayeux, calcaire sublithographique et silex. *Bulletin du Centre géomorphologique de Caen*, C.N.R.S., 19: 17–23.
- Aubry, M-P., and Rouvillois, A., 1974. Les grains de quartz vus au microscope électronique à balayage. *Travaux du Laboratoire de Micropaléontologie*, 3: 193–224.



- Aubry, M-P., 1975. La craie blanche de haute-Normandie: Etude pétrographique en microscopie électronique à balayage. *Bulletin de Liaison A. P. B. G. Régionale de Rouen*, 5–37.
- Aubry, M-P., Bignot, G., Bismuth, H. and Remane, J., 1975. Premiers résultats de l'observation au M.E.B. de la lorica des Calpionelles et de quelques microfossiles qui leur sont associés. *Revue de Micropaléontologie*, 18: 127–133.
- Aubry, M-P., DeWolf, Y. and Muxart, T., 1975. Altération des silex de la craie: Etude expérimentale: premières observations. *Compte-rendu de l' Académie des Sciences de Paris*, 280: 1509–1512.
- Aubry, M-P., and Hommeril, P., 1975. Examen exoscopique de quartz: passage du caractère mat au caractère luisant dans le domaine marin infratidal. *Compte-rendu de l' Académie des Sciences de Paris*, 280: 955–958.
- Aubry, M-P., and Pomerol, B., 1975. La pétrogenèse des craies du Bassin de Paris est-elle une conséquence de l'expansion océanique? *Compte-rendu de l' Académie des Sciences de Paris*, 280: 2081–2084.
- Aubry, M-P., 1976. Recherches sur la nannopétrographie des roches siliceuses. *Bulletin de la Société géologique de Normandie*, LXII: 7–34.
- Aubry, M-P., 1976. Quelques aspects relatifs à la fossilisation du nannoplancton calcaire. *Travaux du Laboratoire de Micropaléontologie*, 5: 167–205.
- Aubry, M-P., 1976. L'induration de la craie. *Travaux du Laboratoire de Micropaléontologie*, 6: 49–67.
- Aubry, M-P. and Okusumi, H., 1976. Etudes en microscopie électronique à balayage: Interprétation des images. *Travaux du Laboratoire de Micropaléontologie*, 5: 1–27.
- Aubry, M-P. and Okusumi, H., 1976. Microanalyses en microscopie électronique à balayage: complément aux études morphologiques. *Travaux du Laboratoire de Micropaléontologie*, 6: 1–17.
- Aubry, M-P., and Pomerol, B., 1976. Les néoformations manganifères dans la craie du Bassin de Paris. *Compte-rendu de l' Académie des Sciences de Paris*, 283: 1261–1264.
- Cavelier, C., Le Calvez, Y., Damotte, R., **Aubry**, M-P, and Riveline, J., 1977. La Faune (Mollusques, Foraminifères, Ostracodes, Nannoplancton et Characées) de l'Eocène supérieur et de l'Oligocène dans le Sondage du Mont Pagnotte (Oise). In: Blondeau, A. *et al.*, 1977, *Le Paléogène dans le sondage du Mont Pagnotte*. *Bulletin d' Information des Géologues du Bassin de Paris*, 14: 26–30.
- Pomerol, B., and **Aubry**, M-P., 1977. Relation between western European chalks and opening of the North Atlantic. *Journal of Sedimentary Petrology*, 47: 1027–1035.
- Aubry, M-P., and Crozas, R., 1978. Présence de nannofossiles calcaires dans les calcaires cénomaniens du Portugal. *Revue de Micropaléontologie*, 21.
- Aubry, M-P., and Teherani, Kh., 1978. Premières observations sur les nannofossiles des calcaires à *Inocramus* d'âge Turonien et Coniacien de la région d'Esfahan (Iran Central). *Cahiers géologiques*, 94: 234–239.
- Curry, J.R., Moore, D.G., Aubry, M-P, et al., 1979. Leg 64 seeks evidence on development of basins. *Geotimes*: 18–20.

- Aubry, M-P., 1980. Nannofossiles calcaires de l'Auverisien de Baron (Oise). *Bulletin d'Information des Géologues du Bassin de Paris*, 17: 76.
- Einsele, G., Gieskes, J.M., **Aubry**, M-P. et al., 1980. Intrusion of basaltic sills into highly porous sediments, and resulting hydrothermal activity. *Nature*, 283 (5746) 441–445.
- Schrader, H., Kelts, K., **Aubry**, M.-P. et al., 1980. Laminated Diatomaceous Sediments from the Guaymas Basin Slope (Central Gulf of California): 250,000-year Climate Record. *Science*, 207, 1207–1209.
- Haq, B.U. and **Aubry**, M-P., 1981. Early Cenozoic calcareous nannoplankton biostratigraphy and paleobiogeography of North Africa and the Middle East and Trans-Tethyan correlations. The 2nd symposium on Geology of Lybia, Tripoli, In: Salem, M.N. and Busrewil, M.T. (eds.), *Geology of Libya*, 2, 271–304.
- Van Couvering, **Aubry**, M-P., Berggren, W.A., Bujak, J.P., Naeser, C.W. and Wieser, T., 1981. The Terminal Eocene Event and the Polish Connection. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 36: 321–362.
- Aubry, M-P., 1982. Calcareous nannofossil biostratigraphy, Leg 64 of the Deep Sea Drilling Project. In: Moore, D.M., Curray, J., et al., (eds.), *Initial Reports of the Deep Sea Drilling Project*, 64. Washington (U.S. Government Printing Office): 955–972.
- Aubry, M-P., Guyader, J., and Koeniguer, J.C., 1982. Les fossiles végétaux de l'Aptien au large du Cap d'Antifer. *Bulletin Trimestriel de la Société géologique de Normandie et Amis du Museum du Havre*, 69: 23–31.
- Aubry, M-P., Matoba, Y., Molina Cruz, A., Schrader, H., 1982. Synthesis of the Leg 64 Biostratigraphy. In: Moore, D.M., Curray, J., et al., (eds.), *Initial Reports of the Deep Sea Drilling Project*, 64. Washington (U.S. Government Printing Office): 1057–1064.
- Aubry, M-P., 1983. Corrélations biostratigraphiques entre les formations paléogènes épicontinentales de l'Europe du Nord-Ouest, basées sur le nannoplancton calcaire. Essai d'intégration dans l'échelle paléomagnétostratigraphique standard et d'interprétation en fonction des variations eustatiques globales. [Biostratigraphic correlations between the Paleogene formations of northwestern Europe: calcareous nannofossil evidence. Magnetobiostratigraphic interpretation and implications for sea level changes.] *Mémoire des Sciences de la Terre Université Curie, Paris*, 83-08: 1–218, 8 pls. and 3 annexes.
- Aubry, M-P., 1983. Biostratigraphie du Paléogène épicontinental de l'Europe du Nord-Ouest, étude fondée sur les nannofossiles calcaires. *Documents des laboratoires de Géologie de Lyon*, 98 (1983), 317 pp.
- Berggren, W.A., **Aubry**, M-P. and Hamilton, N., 1983. Magnetobiostratigraphy of DSDP Leg 72 Sites 515-517, Rio Grande Rise (South Atlantic). In: Barker, P.F., Carlson, R.L., Johnson, D.A., et al., (eds), *Initial Reports of the Deep Sea Drilling Project*, 72, Washington (U.S. Government Printing Office): 675–713.
- Aubry, M-P., 1984. *Handbook of Paleogene Calcareous nannofossils*, vol. 1, Micropress, American Museum of Natural history, New York, 266 pp.

- Berggren, W.A. and **Aubry**, M-P., 1984. Rb-Sr Glauconite Isochron of the Eocene Castle Hayne Limestone, North Carolina - Further discussion. *Geological Society of America Bulletin*, 95: 364–370.
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