

**Curriculum Vitae**  
**Barbara Balestra**  
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**Education:**

- PhD in Earth Sciences, Earth Science Department, Università degli Studi di Firenze, Italy. Thesis: “Irminger Current Dynamics during the last 30.000 years, Southeastern Greenland Margin.” Advisor: Prof. S. Monechi, Co-advisors: Dr. P. Ziveri and Dr. S. Troelstra.
- “Laurea”, (B.A. and M.A.), Earth Science Department, Università degli Studi di Firenze, Italy. Thesis: “Paleoceanografia e Paleoecologia del Quaternario nel mare della Groenlandia basata sullo studio dei coccolitoforidi: dal vivente al fossile.” (Paleoceanography and paleoecology in the Greenland Sea using coccolithophorids as proxies: from the living to fossils). Thesis advisor: Prof. S. Monechi.

**Professional experience:**

**2018- to present, Professorial Lecturer (Director of the teaching laboratories)**

Department of Environmental Science, American University, Washington DC, District of Columbia, USA.

**2021- to present, Research Associate**

Paleobiology Department at the National Museum of Natural History (NMNH) of the Smithsonian Institution, Washington DC, District of Columbia, USA

**2013- to present, Assistant Project Scientist, step 4**

Institute of Marine Sciences, University of California, Santa Cruz, CA, USA.

**2016- to 2021, Research Fellow**

Paleobiology Department at the National Museum of Natural History (NMNH) of the Smithsonian Institution, Washington DC, District of Columbia, USA.

**2017- 2018, Research Assistant Professor**

Department of Environmental Science, American University, Washington DC, District of Columbia, USA.

**May-August 2015, Program Coordinator CC-Rise**

(Community College Research Internship for Scientific Engagement), Institute of Marine Sciences, University of California, Santa Cruz, CA, USA.

**2010–2012, Senior College Laboratory Technician and Associate Researcher**

School of Earth and Environmental Sciences (SEES), Queens College, Flushing, NY, USA.

**2011, Adjunct Professor, Geophysical Geology 101**

School of Earth and Environmental Sciences, Queens College, Flushing, NY, USA.

**2007-2008, Contract**

CoNISMa, Italy. IMAGES (The International Marine Past Global Change Study).

**2009- 2010, Research Fellow**

Earth Science Department, Università degli Studi di Firenze, Italy.

**2007, Visiting Associate Research Scientist**

Lamont Doherty Earth Observatory (LDEO), Columbia University, New York, USA.

**2005- 2007, Contract Researcher (Assegno di Ricerca)**

Earth Science Department, Università degli Studi di Firenze, Italy.

**2003, Visiting scholar**

Geography Department, Durham University, UK.

**2000–2004, Visiting scholar, 18 months intermittently**

Paleoecology and Paleoclimatology Department, Vrije Universiteit, Amsterdam, The Netherlands.

**2000- 2005, PhD program in Earth Science**

PhD program Earth Science Department, Università degli Studi di Firenze, Italy.

### Awards and Research projects

- AU Deputy Provost & Dean of Faculty's Pilot Grant Award for the proposal "Effects of biofilm biodiversity and biomass on microplastics in the Potomac River", (Spring 2022).
- Goddard Fellows Innovative Challenge (GFIC) proposal, NASA, "Predicting Changes in Ocean Habitability on Earth and Other Ocean Worlds" (Summer 2021).
- Microplastic Research in the Anacostia River Watershed, National Marine Sanctuary Foundation, (October 2020- February 2022).
- Microplastics and Synthetic Fibers in an Urban Freshwater System. CAS Faculty Mellon Fund, American University, DC (November 2020-November 2021).
- Dynamique de la Mediterranean Outflow Water (MOW) au Quaternaire dans le Golfe de Cadix (MOWCA), project in collaboration with the University of Bordeaux, UMR-CNRS 5805 EPOC, (September 2018- August 2020).
- Ocean Acidification in Coastal California over the Last 13,000 years, Los Alamos National Labs – LDRD, (September 2014- October 2017).
- UCSC Silicon Valley Initiatives (SVI) Research Award (March 2012- September 2014).
- Post-Expedition Activity (PEA) IODP Awards, (June 2012- November 2014).
- Invited to participate at IODP Expedition 339, as nannofossil biostratigrapher (Nov 2011- Jan 2012).
- PSC-CUNY 42 Research Award, "Coccolithophores as proxy to determine marine biotic imprint of periodic climate oscillations during the Late Quaternary: an example from the North Atlantic", (July 2011- December 2012).
- MIUR (Ministero dell'Istruzione dell'Università della Ricerca) Project 2005, 2007-2009. "Maastrichtian to Eocene short and medium-term climatic event and biotic crises: paleoceanographic implications and modeling I and II" in collaboration with Prof. S. Monechi, Earth Sciences Department, Università degli Studi di Firenze, Italy.
- Core IMAGES MD95-2033 (Laurentian Fan): a comparison between coccoliths and dinoflagellate assemblages, 2008. Project in collaboration with Dr. Anne de Vernal (GEOTOP) and Dr. Adele Bertini (Università degli Studi di Firenze, Italy). Contract CoNISMa.
- Study of the coccolithophore assemblages for validating the alkenone PCO<sub>2</sub> proxy from Pleistocene sediments. 2007. Comparison of different proxies. In collaboration with Prof. Bärbel Hönisch, Lamont-Doherty Earth Observatory, Columbia University, New York, USA.

### List of Publications, Geological maps and illustrated notes.

- Argenio, C., Flores, J-A, **Balestra, B.**, and Amore, O. (2021). Reconstructing ocean surface dynamics over the last ~25 ka at "Shackleton Site" IODP - U1385. *Palaeogeography, Palaeoclimatology, Palaeocology*, vol. 579, <https://doi.org/10.1016/j.palaeo.2021.110587>.
- Gonzales-Lanchas, A., Flores, J-A, Sierro, F.J., Sanchez Goni, M.F., Rodrigues, T., Ausin, B., Oliveira, D., Naughton, F., Marino, M., Maiorano, P., **Balestra, B.** (2021). Control mechanisms of Primary Productivity revealed by coccolithophores from Marine Isotope Stage (MIS) 12 to 9 at the Shackleton Site U1385. *Paleoceanography and Paleoclimatology. Paleoceanography and Paleoclimatology*, 36(6), e2021PA004246.
- Balestra, B.**, Rose, T., Fehrenbacher, J., Knobelspiesse, K., Huber, B, Godding, T., Paytan, A. (2021). In situ Mg/Ca measurements on foraminifera: comparison between Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS) and Wavelength-Dispersive X-Ray Spectroscopy by electron probe microanalyzer (EPMA). *Geochemistry, Geophysics, Geosystems*, 22, e2020GC009449. <https://doi.org/10.1029/2020GC009449>
- Balestra, B.**, Orland, I.J., Fessenden-Rahn, J., Gorski, G., Franks, R., Rahn, T., Paytan, A. (2020). Paired analyses of oxygen isotope and elemental ratios within individual shells of benthic foraminifera genus *Uvigerina*. *Chemical geology*, vol. 533, <https://doi.org/10.1016/j.chemgeo.2019.119377>
- Balestra, B.**, Voelker, A., and Flores, J.-A. (2019). Data report: early Pleistocene calcareous nannofossils, IODP Expedition 339, Site U1387. *In* Stow, D.A.V., Hernández-Molina, F.J., Alvarez Zarikian,

- C.A., and the Expedition 339 Scientists, *Proceedings of the Integrated Ocean Drilling Program*, 339: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.339.205.2019
- Thomas, E., Boscolo-Galazzo, F., **Balestra, B.**, Monechi, S., Donner, B., Röhl, U. Early Eocene Thermal Maximum 3: biotic response at Walvis Ridge (SE Atlantic Ocean). (2018). *Paleoceanography and Paleoclimatology*, 33. <https://doi.org/10.1029/2018PA003375>.
- Balestra, B.**, Quintana Krupinski, N.B., Erohina, T., Fessenden-Rahn, J., Rahn, T., and Paytan, A. Bottom water oxygenation and environmental change in Santa Monica Basin, Southern California during the last 23 kyr. (2018). *Palaeogeography, Palaeoclimatology, Palaeoecology*, vol. 490, 17-37.
- Grunert P., **Balestra, B.**, Richter, C., Flores, J-A., Auer, G., García Gallardo, A., Piller, W.E. Revised and refined age model for the upper Pliocene of IODP Site U1389 (IODP Expedition 339, Gulf of Cádiz). (2017). *Newsletters on Stratigraphy*, <https://doi.org/10.1127/nos/2017/0396>
- Balestra, B.**, Grunert, P., Ausin, B., Hodell, D., Flores, J-A., Alvarez-Zarikian, C.A., Hernandez-Molina, F.J., Stow, D., Piller, W.E., Paytan, A. Coccolithophore and benthic foraminifera distribution in the Gulf of Cadiz and West Iberian Margin during Integrated Ocean Drilling Program (IODP) Expedition 339. (2017). *Journal of Marine Systems*, Volume 170, Pages 50-67, ISSN 0924-7963, <http://dx.doi.org/10.1016/j.jmarsys.2017.01.005>.
- Balestra, B.**, Flores J.-A. Hodell, D., Hernández-Molina, F. J., Stow, D.A.V. (2015). Pleistocene calcareous nannofossil biochronology at IODP Site U1385 (Exp 339). *Global and Planetary Change*, vol 135, 57-65.
- P. Maiorano, M., Marino, **B. Balestra**, J-A., Flores, D.A., Hodell, T. Rodrigues. (2015). Coccolithophore variability from the Shackleton Site (IODP Site U1385) through MIS 16-10. *Global and Planetary Change*, vol 133, 35-48.
- D. Hodell, L. Lourens, S. Crowhurst, T. Konijnendijk, R. Tjallingii, F. Jimenez-Espejo, L. Skinner, P.C., Tzedakis, Alvarez Zarikian, C.A., F. Abrantes, G. D. Acton, A. Bahr, **B. Balestra**, E. Llave Barranco, G. Carrara, S. Crowhurst, E. Ducassou, R. D. Flood, J.-A. Flores, S. Furota, J. Grimalt, P. Grunert, J. Hernández-Molina, D.A Hodell, F.J. Jimenez-Espejo, J. Kyoung Kim, T. Konijnendijk, L. A. Krissek, J. Kuroda, B. Li, J. Lofi, L. Lourens, V. Margari, B. Martrat, M.D. Miller, F. Nanayama, N. Nishida, C. Richter, T. Rodrigues, A.C. Freixo Roque, M. F. Sanchez Goni, F. J. Sierro Sánchez, A. D. Singh, L. Skinner, C. R. Sloss, D.A.V Stow, Y. Takashimizu, R. Tjallingii, A. Tzanova, C. Tzedakis, A. Voelker, T. Williams and C. Xuan. (2015). A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin, *Global and Planetary Change*, vol. 133, 49-64.
- F. J. Hernández-Molina, D. A.V. Stow, C. A. Alvarez-Zarikian, G. Acton, A. Bahr, **B. Balestra**, E. Ducassou, R. Flood, J-A. Flores, S. Furota, P. Grunert, D. Hodell, F. Jimenez-Espejo, J. Kyoung Kim, L. Krissek, J. Kuroda, B. Li, E. Llave, J. Lofi, L. Lourens, M. Miller, F. Nanayama, N. Nishida, C. Richter, C. Roque, H. Pereira, M. F. Sanchez Goñi, F. J. Sierro, A. D. Singh, C. Sloss, Y. Takashimizu, A. Tzanova, A. Voelker, T. Williams and C. Xuan. (2014). Onset of Mediterranean Outflow into the North Atlantic. *Science*, vol 344, issue 6189, 1244-1250.
- Dorador, J., Rodríguez-Tovar, F.J., and the IODP Expedition 339 Scientists, Alvarez Zarikian, C.A., F. Abrantes, G. D. Acton, A. Bahr, **B. Balestra**, E. Llave Barranco, G. Carrara, S. Crowhurst, E. Ducassou, R. D. Flood, J.-A. Flores, S. Furota, J. Grimalt, P. Grunert, J. Hernández-Molina, D.A Hodell, F.J. Jimenez-Espejo, J. Kyoung Kim, T. Konijnendijk, L. A. Krissek, J. Kuroda, B. Li, J. Lofi, L. Lourens, V. Margari, B. Martrat, M.D. Miller, F. Nanayama, N. Nishida, C. Richter, T. Rodrigues, A.C. Freixo Roque, M. F. Sanchez Goni, F. J. Sierro Sánchez, A. D. Singh, L. Skinner, C. R. Sloss, D.A.V Stow, Y. Takashimizu, R. Tjallingii, A. Tzanova, C. Tzedakis, A. Voelker, T. Williams and C. Xuan. (2014). Quantitative estimation of bioturbation based on digital image analysis. *Marine Geology*, 349, 55– 60.
- Dorador, J., Rodríguez-Tovar, F.J., IODP Expedition 339 Scientists, Alvarez Zarikian, C.A., F. Abrantes, G. D. Acton, A. Bahr, **B. Balestra**, E. Llave Barranco, G. Carrara, S. Crowhurst, E. Ducassou, R. D. Flood, J.-A. Flores, S. Furota, J. Grimalt, P. Grunert, J. Hernández-Molina, D.A

- Hodell, F.J. Jimenez-Espejo, J. Kyoung Kim, T. Konijnendijk, L. A. Krissek, J. Kuroda, B. Li, J. Lofi, L. Lourens, V. Margari, B. Martrat, M.D. Miller, F. Nanayama, N. Nishida, C. Richter, T. Rodrigues, A.C. Freixo Roque, M. F. Sanchez Goni, F. J. Sierro Sánchez, A. D. Singh, L. Skinner, C. R. Sloss, D.A.V Stow, Y. Takashimizu, R. Tjallingii, A. Tzanova, C. Tzedakis, A. Voelker, T. Williams, and C. Xuan. (2014). Digital image treatment applied to ichnological analysis of marine core sediments. *Facies*, 60, 39–44.
- Hodell, D.A., Lourens, L., Stow, D.A.V., Hernández-Molina, J., Alvarez Zarikian, C.A., F. Abrantes, G. D. Acton, A. Bahr, **B. Balestra**, E. Llave Barranco, G. Carrara, S. Crowhurst, E. Ducassou, R. D. Flood, J.-A. Flores, S. Furota, J. Grimalt, P. Grunert, F. J. Jimenez-Espejo, J. Kyoung Kim, T. Konijnendijk, L. A. Krissek, J. Kuroda, B. Li, J. Lofi, V. Margari, B. Martrat, M. D. Miller, F. Nanayama, N. Nishida, C. Richter, T. Rodrigues, F. J. Rodríguez-Tovar, A. C. Freixo Roque, M. F. Sanchez Goni, F. J. Sierro Sánchez, A. D. Singh, L. Skinner, C. R. Sloss, Y. Takashimizu, R. Tjallingii, A. Tzanova, C. Tzedakis, A. Voelker, C. Xuan, and T. Williams. The "Shackleton Site" (IODP Site U1385) on the Iberian Margin. (2013). *Sci. Dril.* 16, 13-19. [www.sci-dril.net/16/13/2013/doi:10.5194/sd-16-13-2013](http://www.sci-dril.net/16/13/2013/doi:10.5194/sd-16-13-2013).
- Hernández-Molina, F.J., Stow, D., Alvarez-Zarikian, C., G. Acton, A. Bahr, **Balestra B.**, E. Ducassou, R. Flood, J.-A. Flores, S. Furota, P. Grunert, D. Hodell, F. Jimenez-Espejo, J. Kyoung Kim, L. Krissek, J. Kuroda, B. Li, E. Llave, J. Lofi, L. Lourens, M. Miller, F. Nanayama, N. Nishida, C. Richter, C. Roque, H. Pereira, M. F. Sanchez Goñi, F. J. Sierro, A. D. Singh, C. Sloss, Y. Takashimizu, A. Tzanova, A. Voelker, T. Williams and C. Xuan. (2013). IODP Expedition 339 in the Gulf of Cadiz and off West Iberia: decoding the environmental significance of the Mediterranean outflow water and its global influence. *SCIENTIFIC DRILLING*, ISSN: 1816-8957, doi:10.5194/sd-16-1-2013
- Palmiotto, C., Corda, L., Ligi, M., Cipriani, A., Dick, H., Douville, E., Gasperini, L., Montagna, P., Thil, F., Borsetti, A.M., **Balestra, B.**, Bonatti, E. (2013). Non-volcanic tectonic islands in ancient and modern oceans. *Geochemistry, Geophysics, Geosystems*, vol. 14, Issue 10, 4698-4717.
- Balestra, B.**, Bertini, A., de Vernal, A., Monechi, S., and Reale, V. (2013). Surface current variability in the Laurentian Fan in the late Quaternary: evidence from coccolith and dinocyst assemblages. *Palaeogeography, Palaeoclimatology, Palaeoecology*, vol. 387, pg. 200-210.
- Monechi, S., Reale, V., Bernaola, G. and **Balestra, B.** The Danian- Selandian boundary at Site 1262 (South Atlantic) and Tethyan region: high-resolution biomagnetostratigraphy, evolutionary trends in *Fasciculithus*, and environmental effects of the Latest Danian Event. (2012). *Marine Micropaleontology*, vol. 98, pg. 28-40.
- Monechi, S., Reale, V., Bernaola, G. and **Balestra, B.** (2012). Taxonomic review of early Paleocene *Fasciculithus*. *Micropaleontology*, vol 58, n. 4, pg. 351-366.
- Expedition 339 Scientists. (2012). Mediterranean Outflow: environmental significance of the Mediterranean Outflow Water and its global implications. Published by Integrated Ocean Drilling Program Management International, Inc., for the Integrated Ocean Drilling Program, *IODP Prel. Rept.*, 339. doi:10.2204/iodp.pr.339.2012.
- Dominici, S., Bartalini, M., Benvenuti, M., and **Balestra, B.** (2011). Large kings with small crowns: a Mediterranean Pleistocene whale barnacle. *Bollettino della Societa' Paleontologica Italiana*, 50, pg. 95-101.
- Rosell-Melé, A., **Balestra, B.**, Kornilova, O., McClymont, E.L, Russell, M., Monechi, S., Troelstra, S. and Ziveri, P. (2011). Alkenones and coccoliths in ice rafted debris during the Last Glacial Maximum in the North Atlantic: implications for the use of  $U^{K_{37}}$  as a SST proxy. *Journal of Quaternary Science*, Vol. 26, Issue 6, pg. 657-664.
- Balestra, B.**, Ziveri, P., Baumann, K-H., Troelstra, S., and Monechi, S. (2010). Surface water dynamics in the Reykjanes Ridge area during the Holocene as revealed by coccolith assemblages. *Marine Micropaleontology*, vol. 76, pg. 1-10.

- Balestra, B.**, Marino, M., Monechi, S., Marano, C. and Locaiono, F. (2008). Coccolithophore communities in the Gulf of Manfredonia (Southern Adriatic Sea): data from water and surface sediments. *Micropaleontology*, Vol 54, no.5, pg. 377-396.
- Balestra B.**, biostratigraphic analyst In Massironi, M., Moratti, G. (Coord.) (2007). Carte Géologique du Maroc au 1/50.000, feuille Boumalne. *Notes et Mémoires, Serv. Géol. Maroc*, N° 521.
- Balestra, B.**, biostratigraphic analyst In Massironi M., Moratti G., Algouti Ah., Benvenuti M., Dal Piaz G.V., Eddebbi A., El Boukhari A., Laftouhi N., Ouanaimi H., Schiavo A., Taj Eddine K., Visonà D. (2007). Carte Géologique du Maroc au 1/50.000, feuille Boumalne - Notice explicative. *Notes et Mémoires, Serv. Géol. Maroc*, N° 521bis.
- Balestra, B.**, biostratigraphic analyst In Schiavo A., Taj Eddine K. (Coord.) (2007). Carte Géologique du Maroc au 1/50.000, feuille Imtir. *Notes et Mémoires, Serv. Géol. Maroc*, N° 518.
- Balestra, B.**, biostratigraphic analyst In Schiavo A., Taj Eddine K., Algouti Ah., Benvenuti M., Dal Piaz G.V., Eddebbi A., El Boukhari A., Laftouhi N., Massironi M., Moratti G., Ouanaimi H., Pasquarè G., Visonà D. (2007). Carte Géologique du Maroc au 1/50.000, feuille Imtir - Notice explicative. *Notes et Mémoires, Serv. Géol. Maroc*, N° 518bis.
- Balestra, B.**, Ziveri, P., Monechi, S. & Troelstra, S. (2004). Coccolithophorids from the Southeast Greenland Margin (Northern North Atlantic): production, ecology, and surface sediment record. *Micropaleontology*, Vol 50, suppl. 1, pg. 23-34.

#### **Internal Services AU**

- 2021 to present: part of the Merit Review Committee ENVS  
 2020 to present: Term Faculty Task Force member, CAS  
 2019 to present: EPC committee member, CAS  
 2019 to present: Graduate Students Committee member, ENVS

#### **Professional and synergistic activities**

- 2022 Jan IODP, SEP, Panel reviewer
- 2019-present: AGU, Outstanding Student Presentation Award (OSPA) coordinator for the Global Environmental Change (GEC) section, AGU.
- 2021 Reviewer for the Travel Grant Opportunities (students and early career scientists), Fall meeting AGU, (GEC) section.
- 2019 Coordinator in the organization of the foraminifera collection by Allan Bé, Paleobiology Department, National Museum of Natural History, (NMNH).
- 2018 Primary Convener for the scientific session “Advances in Understanding Calcareous Nannofossil Response to Climate Change in Modern and Ancient Oceans” American Geophysical Union (AGU), DC, December 2018.
- 2017 Coordinator of the seminar for volunteers in the Paleobiology Department “Big stories from tiny fossils”, National Museum of Natural History, (NMNH).
- 2015 CC-Rise (Community College Research Internship for Scientific Engagement) Program Coordinator, UCSC.
- 2013 Scientific Committee Member for the organization of the International Nannoplankton Association (INA) 14 Conference, at the USGS, Reston, Virginia, USA, (web site: <https://my.usgs.gov/ina14/>).
- 2012 Development of a new Geology Curricula (GEO 99), at SEES, Queens College.
- 2006-2012 Volunteer at the AMNH, New York. Duties imply also tour guide in Italian and English.
- 2000-2009 Management of the Nannoplankton laboratory, Earth Science Department, Università degli Studi di Firenze. Duties implied advising students in the preparation of smear slides, filters, teaching microscope and nannoplankton taxonomy skills; administration of the annual budget of the laboratory.



### **Invited talks/seminars**

- 2022 Seminar Climatology course (ENVS, AU)
- 2021 Invited seminar, Biomineral discussion group, Mineral Sciences Department, NMNH, Smithsonian
- 2021 Seminar Anthropocene course (ENVS, AU)
- 2021 Invited UCSC seminar Series, Earth and Environmental Science Department
- 2021 Seminar Climatology course (ENVS, AU)
- 2020 Seminar Anthropocene course (ENVS, AU) two sessions.
- 2019 Seminar Climatology course (ENVS, AU)
- 2019 Seminar Anthropocene course (ENVS, AU)
- 2018 Seminar ENVS260 course (ENVS, AU)
- 2018 Seminar at Barnard College, Earth Science Department
- 2017 Seminar at UMBC, Physics Department
- 2017 Seminar NMNH Paleobiology Department
- 2014 UCSC seminar Series, Earth and Environmental Science Department

### **Former students**

- 2022 Mentor Christia Fisher, Emma Beganovic, Paige Craine. Natalie Landaverde (undergrads, ENVS, AU)
- 2021-2022 Mentor for PhD student Carmen Argenio, Universita' del Salento (Italy)
- 2021 Mentor for undergraduate student Emma Joy, ENVS, AU
- 2020 Mentor for research projects of Master students, Sofia Perkins and Melanie Yao, ENVS, AU
- 2020-2022 Scientific Committee member of Master thesis Elisa Davey ENVS, AU
- 2021-2023 Scientific Committee member of Master thesis Joseph Barnes, ENVS, AU
- 2019-2020 Mentor for undergraduate student Kira Fontana, ENVS, AU.
- 2014-2016 Mentor for undergraduate student Brian Kropf, UCSC.
- 2013 Mentor for high school student Micheal Angulo. Program HSSI (High School Summer Internship), UCSC.
- 2006 Scientific committee member of Master thesis, Barbara Messe, "Coccolitoforidi nel Golfo di Manfredonia, un contributo alle conoscenze delle acque superficiali e dei sedimenti al fondo", Environmental Sciences, Facoltà di Scienze MFN, Università degli Studi di Bari, Italy.

### **Peer reviewer**

- Journals: Marine Micropaleontology, Micropaleontology, Paleoceanography, Regional Environmental Change, Journal of Nannoplankton Research, Journal of Marine Systems, The Holocene, Geophysical Research Letters, G-cubed, Quaternary Science Reviews, Geophysical Research Letters.
- Grants: NSF, Ocean Science (OCE) and Paleo Perspectives on Climate Change (P2C2); International Ocean Discovery Program (IODP).

### **Professional Affiliations**

- International Nannoplankton Association (INA).
- Associazione Italiana per lo Studio del Quaternario (AIQUA).
- American Geophysical Union (AGU).

### **Languages**

- Italian (mother tongue).
- English (excellent).

**Other information**

Home Address: 10107 Green Holly Tr, Silver Spring, 20902, Maryland.

Citizenship: USA, Italian.

Web-pages:

<http://www.american.edu/cas/faculty/balestra.cfm>

[https://pmc.ucsc.edu/~apaytan/people/page\\_BarbaraB.html](https://pmc.ucsc.edu/~apaytan/people/page_BarbaraB.html)

[https://pmc.ucsc.edu/~apaytan/projects/page\\_Paleo.html](https://pmc.ucsc.edu/~apaytan/projects/page_Paleo.html)