

Curriculum vitae

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NAME: **CARLOS ANDRÉS ALVAREZ ZARIKIAN**

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CURRENT POSITION: *Staff Scientist/Expedition Project Manager* at International Ocean Discovery Program – Texas A&M University (since November 2004)

SECONDARY APPOINTMENT: Associate Research Scientist / Adjunct Faculty, Department of Oceanography, Texas A&M University (since Dec. 2007)

EDUCATION

Ph.D., Marine Geology, University of Miami's Rosenstiel School of Marine and Atmospheric Science, 2003.

Dissertation title: Ostracods, stable isotopes and the paleoecological reconstruction of coastal and lacustrine environments in South Florida over decadal and millennial time scales.

M.S., Marine Geology, University of Miami's Rosenstiel School of Marine and Atmospheric Science, 1998.

Thesis title: Ostracod assemblages from the Louisiana inner-continental shelf: spatial and temporal trends and paleoecological implications.

B.S., Geological Sciences -minor in Marine Sciences, University of Miami, 1993

Technical degree, Geological Oceanography -minor in Aquaculture, Instituto Universitario de Tecnología del Mar, Margarita Island, Venezuela, 1990

ACADEMIC EXPERIENCE

Research Associate / Adjunct Faculty, Department of Oceanography, Texas A&M University (Dec 2007 to present)

Invited lecturer in a graduate level course at the Dept. of Geology at Texas A&M University:
Microfossils: and their applications to biostratigraphy, paleoceanography,

paleoecology and evolution 2009

Graduate Research Assistant, University of Miami – RSMAS, Miami, FL. Applied micropaleontology (Foraminifera and Ostracoda) in paleoenvironmental and paleoclimatic reconstructions of marine and lacustrine systems 1994-2003

Teaching Assistant, University of Miami – RSMAS, Miami, Florida. Undergraduate Courses: Introduction to Oceanography – 1 semester (2003)
Introduction to Marine Science – 3 semesters (1999-2001)
Graduate Courses: Carbonate Petrology – 1 semester (2002)

PROFESSIONAL EXPERIENCE

Postdoctoral Research Associate, U.S. Geological Survey, Water Resources Division, Miami, Florida. Main project: Review of aquifer storage and recovery in southern Florida, 12/2003-10/2004

Graduate Student Internship, U.S. Geological Survey, Water Resources Division, Miami, Florida. Hydrogeology: aquifer storage and recovery, 2002

Research Associate, Helike Archaeological Project, Greece: Paleoenvironmental and micropaleontological consultant, 1997-2009

Geology Technician, LAGOVEN (former subsidiary of PDVSA, Venezuelan National Oil Industry) Caracas, Venezuela, 1990-1991

Summer Internship, INTEVEP (Technological Institute Venezuelan National Oil Industry) Los Teques, Venezuela. Planktonic foraminifer biostratigraphy, ecology and paleoecology of benthic and planktonic foraminifers, Summer 1989

SEAGOING EXPERIENCE

Expedition Project Manager/Staff Scientist, D/V *JOIDES Resolution*, IODP Expedition 346: Asian Monsoon (Valdez, Alaska, to Busan, Korea), August-September 2013

Expedition Project Manager/Staff Scientist, D/V *JOIDES Resolution*, IODP Expedition 339: Mediterranean Outflow (Ponta Delgada, Azores, to Lisbon, Portugal), November 2011-January 2012

Expedition Project Manager/Staff Scientist, D/V *JOIDES Resolution*, IODP Expedition 329: South Pacific Gyre Microbiology (Papeete, Tahiti to Auckland, New Zealand), October-December 2010

Expedition Project Manager/Staff Scientist, D/V *JOIDES Resolution*, IODP Expedition 323: Bering Sea Paleoceanography (Victoria, B.C., Canada to Yokohama, Japan), July-September 2009

Staff Scientist, D/V *JOIDES Resolution*, IODP Expedition 320T: Sea Trials and Transit (Singapore-Guam-Honolulu), January-February 2009

Expedition Project Manager/Staff Scientist, D/V *JOIDES Resolution*, IODP Expedition 306: North Atlantic Climates II (Ponta Delgada, Azores to Dublin, Ireland), March-April 2005

Scientist, R/V *Melville*, Vancouver 24 Expedition, MARGINS Source to Sink Program, Gulf of Papua New Guinea, March-April 2004

Scientist, R/V *Marion Dufresne*, IMAGES-PICASSO Expedition, Cariaco Basin and Gulf of Mexico coring, May 2003

Guest Scientist, *Explorer of the Seas* (Royal Caribbean International), at the University of Miami's Rosenstiel Oceanographic and Atmospheric Science shipboard Laboratory, 1 week in 2003

Scientist, R/V *Walton Smith*, Marco Island, Florida Keys, 1 week in 2002

FIELD WORK

Carbonate Sedimentology Field Course in Lee Stocking Island, Bahamas (2000), 1 week; provided by Dr. Gregor Eberli from the Div. of Marine Geology and Geophysics, Rosenstiel School of Marine and Atmospheric Sciences, University of Miami.

Geology Field Study: Newfoundland-Labrador, Canada (1994), 1 month; provided by Dr. Harold Wanless from Dept. of Geological Sciences, University of Miami

Geology Field Camp, Camp Branson, Wyoming (1993), 2 months; provided by University of Missouri-Columbia's Department of Geology.

EXPEDITION PROJECT MANAGEMENT

Project Manager: IODP Expedition 346: Asian Monsoon

Project Manager: IODP Expedition 339: Mediterranean Outflow

Project Manager: IODP Expedition 329: South Pacific Gyre Microbiology

Project Manager: IODP Expedition 323: Bering Sea Paleooceanography

Project Manager: IODP Expedition 306: North Atlantic Climates II

SERVICE & OUTREACH ACTIVITIES

Guest Editor for *Palaeogeography, Palaeoclimatology, Palaeoecology* (2014)

Member of Scientific Committee for the 17th International Symposium on Ostracoda, Rome, Italy (July 23-26, 2013)

Reviewer of scientific manuscripts for the following peer reviewed-journals:

2014: *Geology*; *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology* (*Guest Editor*)

2013: *Geology*; *Journal of Micropalaeontology*; *Lethaia*;

2011: *Revue de Micropaléontologie*; *Quaternary International*, *Estuaries and Coasts*;

2009: *German Research Foundation*;

2008 *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology*;

2006 *Palaeogeography*, *Palaeoclimatology*, *Palaeoecology*; *Limnology & Oceanography*;

Guest Lecturer, Spring 2012 Mini-Camp: Adventures in Oceanography: Exploring the Deep Blue Sea, at the Brazos Valley Museum of Natural History.

Guest Lecturer, Earth Science Day at Cypress Grove Intermediate School, College

Station, Texas (2006, 2008, 2010).
Member, Joint Outreach, Education, Public Relations Team (JREPORT), U.S.
Implementing Organization, Integrated Ocean Drilling Program, 2008-2010.
Science Judge, National Ocean Science Bowl finals at Texas A&M University at
Galveston, 2011.
Search committee member, IODP-USIO Director, 2009.
Search committee member, IODP Supervisor Science Support, 2007
Invited Guest Scientist in the BBC *Horizon* science documentary: "Helike - the Real
Atlantis", first aired on Jan. 10, 2002
Secretary, University of Miami, Marine Science Graduate Student Organization,
2000-2001
Teaching Assistant, MAST Academy (Magnet High School), Miami, FL, 1 semester in
2000.

RESEARCH GRANTS

Ostracod variability during the last glacial cycle (Marine Isotope Stages 1-2) and
interglacials MIS 5, MIS 9, and MIS 11 and their linkages to bottom water ventilation
and climate variability in the East China Sea and the Japan Sea. Consortium for
Ocean Leadership/U.S. Science Support Program grant: \$15,000 (Dates: 2014-2015)
Variability in the Mediterranean Outflow Water (MOW) circulation since the late Miocene
and its effects on ostracod assemblages around the Iberian Margin. Principal
Investigator. Consortium for Ocean Leadership/U.S. Science Support Program grant:
\$15,000 (Dates: June 2012-June 2014).
Variability of deep water masses in the South Pacific Gyre and biostratigraphy of Expedition
329 sites. Principal Investigator. Consortium for Ocean Leadership/U.S. Science
Support Program grant: \$14,944 (Dates: July 2011-Dec 2012).
Collaborative Research: Expedition 323 Objective Research on the Paleoceanography of the
Bering Sea. Principal Investigator. NSF Award OCE-0963366: \$45,398 (Dates: Jan
2010-Dec 2012)
Glacial–interglacial variability in intermediate- and deep-water conditions in the Bering Sea
during MIS 9-12 based on carbon and oxygen isotopes and benthic foraminifer
assemblages from sites cored during IODP Expedition 323. Principal Investigator.
Consortium for Ocean Leadership/U.S. Science Support Program grant: \$15,000
(Dates: Feb 2010-Jul 2012)
Deep ocean ostracod assemblages from the North Atlantic as indicators of
paleoceanographic changes during the late Cenozoic. Principal Investigator. U.S.
Science Support Program/JOI/NSF \$17,406. (Dates: Sep 2005-Dec 2008.)
Non-destructive High Resolution CT-scanning of a Crocodylian-bearing Vertebrate Fossil-
Lagerstätte from a 110 Ma Mid-Pacific Drowned Atoll, ODP Site 865. NSF \$6,136;
Co-PI

PROFESSIONAL TRAINING

Voice of Leadership, by the American Management Association, Atlanta, Georgia, Credits
18 PDU/1.8 CEU. June 2011.

Project Management Fundamental, by St. Edward's University Professional Education Center (CEUs: .16), March 2011

Improving Your Project Management Skills: The Basics for Success, by the American Management Association, Dallas, Texas, 2007

PUBLICATIONS

Peer-reviewed articles

- 2014 H. Asahi, S. Kender, M. Ikehara, T. Sakamoto, K. Takahashi, A.C. Ravelo, C.A. Alvarez Zarikian, B.K. Khim, M.J. Leng, Orbital-scale benthic foraminiferal oxygen isotope stratigraphy at the northern Bering Sea Slope Site U1343 (IODP Expedition 323) and its Pleistocene paleoceanographic significance, *Deep Sea Research Part II: Topical Studies in Oceanography*, In Press, Corrected Proof, Available online 15 January 2014
- Pierre, C., M-M Blanc-Valleron, S. Caquineau, C. März, A.C. Ravelo, K. Takahashi, C. Alvarez Zarikian. Mineralogical, geochemical and isotopic characterization of authigenic carbonates from the methane-bearing sediments of the Bering Sea continental margin (IODP Expedition 323, Sites U1343-U1345). *Deep Sea Research Part II: Topical Studies in Oceanography*, In Press, Accepted Manuscript, Available online 21 March 2014
- Chen, Mu-Hong, Qiang Zhang, Lan-Lan Zhang, Carlos Alvarez Zarikian, Ru-Jian Wang. Stratigraphic distribution of the radiolarian *Spongodiscus biconcavus* Haeckel at IODP Site U1340 in the Bering Sea and its paleoceanographic significance. *Palaeoworld* 23 (2014) 90–104, <http://dx.doi.org/10.1016/j.palwor.2013.11.001>
- Dorador, J., Rodríguez-Tovar, F.J. and IODP Expedition 339 Scientists (Including C. Alvarez Zarikian), Quantitative Estimation of Bioturbation Based on Digital Image Analysis, *Marine Geology* (2014), doi: 10.1016/j.margeo.2014.01.003 <http://dx.doi.org/10.1016/j.margeo.2014.01.003> [accepted manuscript]
- 2013 Hernández-Molina, F. J., Stow, D., and Alvarez-Zarikian, C.: 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, *Sci. Dril.*, 16, 1-11, doi:10.5194/sd-16-1-2013, 2013
- Hodell, D. A., Lourens, L., Stow, D. A. V., Hernández-Molina, J., and Alvarez Zarikian, C. A.: The "Shackleton Site" (IODP Site U1385) on the Iberian Margin, *Sci. Dril.*, 16, 13-19, doi:10.5194/sd-16-13-2013, 2013
- Dorador, J., F.J. Rodríguez-Tovar and IODP Expedition 339 Scientists (including C.A. Alvarez Zarikian). 2014. Digital Image Treatment applied to ichnological analysis of marine core sediments. *Facies*, 60:39-44. DOI: 10.1007/s10347-013-0383-z
- D'Hondt, S., F. Inagaki, C. Alvarez Zarikian, and the IODP Expedition 329 Scientific Party, 2013. IODP EXPEDITION 329: LIFE AND HABITABILITY BENEATH THE SEAFLOOR OF THE SOUTH PACIFIC GYRE. *Scientific Drilling*, No. 15, doi:10.2204/iodp.sd.15.01.2013
- 2012 Zhang, G., C. Smith-Duque, S. Tang, H. Li, C. Alvarez Zarikian, S. D'Hondt, F. Inagaki and IODP Expedition 329 Scientists. 2012. Geochemistry of basalts from IODP Site U1365: implications for magmatism and mantle source signatures of the mid-

- Cretaceous Osborn Trough. *Lithos* 144–145 (2012) 73–87.
- 2011 Alvarez Zarikian, C.A., A.J. Ulin, A. Yu. Stepanova, J. Grützner. 2011. DEEP SEA OSTRACODS FROM THE SUBPOLAR NORTH ATLANTIC (IODP SITE U1314) DURING THE LAST 300,000 YEARS. *Joanna Geologie und Paläontologie* 11:15-17
- Wehrmann, L. M., N. Risgaard-Petersen, H. N. Schrum, E. A. Walsh, Y. Huh, M. Ikehara, C. Pierre, S. D'Hondt, T.G. Ferdelman, A.C. Ravelo, K. Takahashi, C. Alvarez Zarikian and the Integrated Ocean Drilling Program Expedition 323 Scientific Party, 2011. COUPLED ORGANIC AND INORGANIC CARBON CYCLING IN THE DEEP SUBSEAFLOOR SEDIMENT OF THE NORTHEASTERN BERING SEA SLOPE (IODP EXP. 323), *Chemical Geology* 284, 251–261, doi: 10.1016/j.chemgeo.2011.03.002
- Takahashi, K., A.C. Ravelo, C.A. Alvarez Zarikian, and the IODP Expedition 323 Scientists, 2011. IODP EXPEDITION 323 -PLIOCENE AND PLEISTOCENE PALEOCEANOGRAPHIC CHANGES IN THE BERING SEA. *Scientific Drilling* 11, 4-13, doi:10.2204/iodp.sd.11.01.201
- 2010 Channell, J.E.T., Sato, T., Kanamatsu, T., Stein, R., and Alvarez Zarikian, C., 2010. EXPEDITIONS 303/306 SYNTHESIS: NORTH ATLANTIC CLIMATE. In Channell, J.E.T., Kanamatsu, T., Sato, T., Stein, R., Alvarez Zarikian, C.A., Malone, M.J., and the Expedition 303/306 Scientists, *Proc. IODP, 303/306: College Station, TX (Integrated Ocean Drilling Program Management International, Inc.)*. doi:10.2204/iodp.proc.303306.214.2010
- 2009 Alvarez Zarikian, C. A., Stepanova, A.Y., and Grützner, J. 2009. GLACIAL-INTERGLACIAL VARIABILITY IN DEEP SEA OSTRACOD ASSEMBLAGE COMPOSITION AT IODP SITE U1314 IN THE SUBPOLAR NORTH ATLANTIC, *Marine Geology*, 258: 69-87, doi: 10.1016/j.margeo.2008.11.009
- Alvarez Zarikian, C.A., 2009. DATA REPORT: LATE QUATERNARY OSTRACODES AT IODP SITE U1314 (NORTH ATLANTIC OCEAN). In Channell, J.E.T., Kanamatsu, T., Sato, T., Stein, R., Alvarez Zarikian, C.A., Malone, M.J., and the Expedition 303/306 Scientists, *Proc. IODP, 303/306: College Station, TX (Integrated Ocean Drilling Program Management International, Inc.)*. doi:10.2204/iodp.proc.303306.213.2009
- 2008 Alvarez-Zarikian, C.A., Steven Soter, and Dora Katsonopoulou, 2008. RECURRENT SUBMERGENCE AND UPLIFT IN THE AREA OF ANCIENT HELIKE, GULF OF CORINTH, GREECE: MICROFAUNAL AND ARCHAEOLOGICAL EVIDENCE. *Journal of Coastal Research: Issue 1, supplement: pp. 110 – 125*. doi: <http://dx.doi.org/10.2112/05-0454.1>
- 2007 Reese, R.S., and Alvarez-Zarikian, C.A., 2007, HYDROGEOLOGY AND AQUIFER STORAGE AND RECOVERY PERFORMANCE IN THE UPPER FLORIDAN AQUIFER, SOUTHERN FLORIDA: U.S. Geological Survey Scientific Investigations Report 2006-5239, 117 p.
- 2006 Stein, R., Kanamatsu, T., Alvarez Zarikian, C.A., Higgins, S., Channell, J.E.T., Aboud, E., Ohno, M., Acton, G.D., Akimoto, K, Bailey, I., Bjørklund, K.R., Evans, H., Nielsen, S.H.H., Fang, N., Ferretti, P., Gruetzner, J., Guyodo, Y.J.B., Hagino, K., Harris, R., Hatakeda, K., Hefter, J. Judge, S.A., Kulhanek, D.K., Nanayama, F., Rashid, H., Sierrro Sanchez, F. J., Voelker, A. and Zhai, Q. 2006. NORTH ATLANTIC PALEOCEANOGRAPHY: THE LAST 5 MILLION YEARS. *Eos*, 87: 13, p 129, 133
- Channell, J.E.T., Sato, T., Kanamatsu, T., Stein, R., Malone, M., Alvarez Zarikian, C. and the IODP Expedition 303 and 306 Scientists. 2006. IODP EXPEDITIONS 303 AND 306

- MONITOR MIOCENE-QUATERNARY CLIMATE IN THE NORTH ATLANTIC. *Scientific Drilling*, 2, 4-10
- 2005 Alvarez Zarikian, C.A., Swart, P.K., Gifford, J.A. and Blackwelder, P.L. 2005. HOLOCENE PALEOHYDROLOGY OF LITTLE SALT SPRING, FLORIDA, BASED ON OSTRACOD ASSEMBLAGES AND STABLE ISOTOPES. *Palaeogeogr., Palaeoecol., Palaeoclimatol.*, 225, 134-156, doi:10.1016/j.palaeo.2004.01.023
- Alvarez Zarikian, Carlos A., Steven Soter, Dora Katsonopoulou, Patricia Blackwelder, Terri Hood. 2005. MICROFAUNAL EVIDENCE FOR PALEOENVIRONMENTS OF THE HELIKE DELTA. In "Ancient Helike and Aigialeia, Archaeological Sites in Geologically Active Regions, Helike III" (Eds. D. Katsonopoulou, S. Soter and I.K. Koukouvelas), Athens: Helike Society, pp. 183-197
- 2004 Reese, R., Alvarez Zarikian, C.A. 2004. Review of aquifer storage and recovery in the Floridan Aquifer system of southern Florida. U.S. Geol. Survey, Fact Sheet 2004-3128, 4 p.
- 2002 Nelsen, T.A., H. R. Wanless, J. H. Trefry, C.A. Alvarez Zarikian, T. Hood, P.L. Blackwelder, P.K. Swart, L. Tedesco, W-J. Kang, S. Metz, J. Garte, C. Featherstone, C. Souch, J. F. Pachut, M. O'Neal, and G. Ellis. 2002. Linkages between the South Florida peninsula and coastal zone: a sediment-based history of natural and anthropogenic influences (415-449). In: Karen and James Porter (Eds.) *The Everglades, Florida Bay, and coral reefs of the Florida Keys: an ecosystem sourcebook*; CRC Press, 1-1000
- 2001 Alvarez Zarikian, C.A., Swart, P.K., Hood, T., Blackwelder, P.L., Nelsen, T.A., and Featherstone, C. 2001. A century of environmental variability in Oyster Bay using ostracode ecological and isotopic data as paleoenvironmental tools. In: Wardlaw, B. R. (Ed.), *Paleoecological studies of South Florida. Bulletins of American Paleontology*, 361, 133-143
- Soter, S. Blackwelder, P.L., Tziavos, C., Katsonopoulou, D., Hood, T. and Alvarez Zarikian, C.A. 2001. Environmental analysis of cores from the Helike delta, Gulf of Corinth, Greece. *Journal of Coastal Research*, 17(1): 95-106
- 2000 Alvarez Zarikian, C.A., Blackwelder, P.L., Hood, T., Nelsen, T.A., and Featherstone, C. 2000. Ostracodes as indicators of natural and anthropogenically-induced changes in coastal marine ecosystems. *Proceedings, The Coastal Society Conference: Coast at the Millennium*, Portland, Oregon, 896-905
- 1996 Blackwelder, P.L., Hood, T., Alvarez Zarikian, C.A., Nelsen, T.A. and McKee, B. 1996. Benthic foraminifera from the NECOP study area impacted by the Mississippi River plume and seasonal hypoxia. *Quaternary International*, 31, 19-36
- 1995 Nelsen, T.A., Blackwelder, P.L., Hood, T., Alvarez Zarikian, C.A., Trefry, J. and Metz, S., Eadie, B. and McKee, B. 1995. Retrospective analysis of NECOP area sediments: biogenic, inorganic and organic indicators of anthropogenic influences since the turn of the century (90-101). In: *Nutrient Enhanced Coastal Ocean Productivity, Proceedings, 1994 Synthesis Workshop*, Baton Rouge, Louisiana
- 1994 Nelsen, T.A., Blackwelder, P.L., Hood, T., McKee, B., Romer, N., Alvarez Zarikian, C.A. and Metz, S. 1994. Time-based correlation of biogenic, lithogenic and authigenic sediment components with anthropogenic inputs in the Gulf of Mexico NECOP study area. *Estuaries*, 17, 873-885
- Nelsen, T.A., Blackwelder, P.L., Hood, T., Alvarez Zarikian, C.A., Trefry, J. and Metz, S.

1994. The sedimentary record in the NECOP study area: A history of anthropogenic impact. *EOS*, 75:51

Manuscripts in review

Alvarez Zarikian, C. Pleistocene deep sea ostracods from the Bering Sea (IODP Expedition 323) (Reviewed: Accepted after minor revision. *Deep Sea Research II*)

Hernández-Molina, F.J., 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. K. 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. Heartbeat of the Earth: From contourite and turbidite cycles to asthenosphere activity in the Gulf of Cadiz. (To be submitted to *Science*)

Steven D'Hondt, Fumio Inagaki, Carlos Alvarez Zarikian, Lewis J. Abrams, Nathalie Dubois, Tim Engelhardt, Helen Evans, Timothy Ferdelman, Britta Gribsholt, Robert N. Harris, Bryce W. Hoppie, Jung-Ho Hyun, Jens Kallmeyer, Jinwook Kim, Jill E. Lynch, Satoshi Mitsunobu, Yuki Morono, Richard W. Murray, Robert Pockalny, Justine Sauvage, Takaya Shimon, Fumito Shiraishi, David C. Smith, Christopher E. Smith-Duque, Arthur J. Spivack, Bjorn Olav Steinsbu, Yohey Suzuki, Michal Szpak, Laurent Toffin, Goichiro Uramoto, Yasuhiko T. Yamaguchi, Guo-liang Zhang, Xiao-Hua Zhang, Wiebke Ziebis. Oxygen, microbes and aerobic respiration from seafloor to basement throughout the South Pacific Gyre. (to be submitted to *Nature Geoscience*)

Cortese, G. and C.A. Alvarez Zarikian. Data report: Radiolarian occurrences at IODP Expedition 329, Site U1371. *Submitted to* D'Hondt, S., Inagaki, F., Alvarez Zarikian, C.A., and the Expedition 329 Scientists, 2011. Proc. IODP, 329: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.329.2011

Manuscripts in preparation

Alvarez Zarikian, C., Schneider, L., Wade, B., Flores, J.-A. Biostratigraphy of Sites U1367, U1368 and U1371 (IODP Expedition 329) in the South Pacific.

Alvarez Zarikian, Carlos A. Early Paleocene, Oligocene to Miocene abyssal Ostracoda from the South Pacific Gyre and their paleoceanographic significance. (to be submitted to *PALAEO3*)

Ulincy, A., Alvarez Zarikian, C., Olszewski, T. Pleistocene benthic foraminifera from IODP Site U1344: northern slope Bering Sea.

Proceedings and Reports of the Integrated Ocean Drilling Program and non-peer-reviewed articles

- 2013 Stow, D.A.V., Hernández-Molina, F.J., Alvarez Zarikian, C.A., and the Expedition 339 Scientists, 2013. Proc. IODP, 339: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.339.2013
- 2012 Expedition 339 Scientists, 2012. Mediterranean outflow: environmental significance of the Mediterranean Outflow Water and its global implications. IODP Prel. Rept., 339. doi:10.2204/iodp.pr.339.2012
- 2011 D'Hondt, S., Inagaki, F., Alvarez Zarikian, C.A., and the Expedition 329 Scientists, 2011. Proceedings of the Integrated Ocean Drilling Program, 329: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.329.2011
- Expedition 329 Scientists, 2011. South Pacific Gyre: subseafloor life and habitability in the South Pacific Gyre. IODP Prel. Rept., 329. doi:10.2204/iodp.pr.329.2011
- Takahashi, K., Ravelo, A.C., Alvarez Zarikian, C.A., and the Expedition 323 Scientists, 2011. *Proceedings of the Integrated Ocean Drilling Program, 323*: Tokyo (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.323.2011
- 2010 D'Hondt, S., Inagaki, F., and Alvarez Zarikian, C., 2010. South Pacific Gyre Microbiology. IODP Sci. Prosp., 329. doi:10.2204/iodp.sp.329.2010
- 2009 Expedition 323 Scientists, 2009. Bering Sea paleoceanography: Pliocene–Pleistocene paleoceanography and climate history of the Bering Sea. IODP Prel. Rept., 323. doi:10.2204/iodp.pr.323.2010
- Takahashi, K., Ravelo, A.C., and Alvarez Zarikian, C.A., 2009. Pliocene–Pleistocene paleoceanography and climate history of the Bering Sea. IODP Sci. Prosp., 323. doi:10.2204/iodp.sp.323.2009
- 2006 Channell, J.E.T., Kanamatsu, T., Sato, T., Stein, R., Alvarez Zarikian, C.A., Malone, M.J., and the Expedition 303/306 Scientists, *Proceedings of the Integrated Ocean Drilling Program, 303/306*: College Station TX (Integrated Ocean Drilling Program Management International, Inc.). doi:10.2204/iodp.proc.303306.2006
- Dickens, G.R., Bentley, S., Droxler, A., Opdyke, B., Peterson, L., Febo, L., Francis, J., Jorry, S., Mallarino, G., McFadden, M., Muhammad, Z., Olson, B., Patterson, L., C. Alvarez Zarikian. 2006. Sediment accumulation on the shelf edges, adjacent slopes, and basin floors of the Gulf of Papua: A preliminary late Quaternary view of sedimentary sinks in the Papua New Guinea Source-to-Sink focus area. MARGINS Newsletter 16, 1-5
- 2005 Expedition Scientists, 2005. North Atlantic climate 2. IODP Prel. Rept., 306. doi:10.2204/iodp.pr.306.2005
- Kanamatsu, T., Stein, R., and Alvarez Zarikian, C.A., 2005. North Atlantic climate II Addendum. IODP Sci. Prosp., 306 Add. doi:10.2204/iodp.sp.303306add.2005

ABSTRACTS/PRESENTATIONS AT CONFERENCES

- 2013 Alvarez Zarikian, Carlos A. Ostracoda in deep ocean Cenozoic paleoceanography: from regions of deep water formation to ultraoligotrophic environments. (*Invited Keynote for the session on "Ostracoda in palaeoceanographic reconstructions during the Cenozoic"* at the 17th International Symposium on Ostracoda, Rome, Italy (July 23-26,

- 2013).
- 2012 Alvarez Zarikian, Carlos A., Bridget Wade, José Abel Flores, John Firth (2012) Oligocene to mid-Pliocene deep sea Ostracoda from the South Pacific Gyre (IODP Sites U1367 and U1368) and their paleoceanographic significance. Abstract PP31B-2029, 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec. [Session PP31B: New Perspectives on Biosphere Sensitivity to Abrupt Climate Change Over the Last 200 Million Years II Posters]
- Balestra, B., Flores, J.-A., Grunert, P., Hernandez-Molina, F.J., Hodell, D.A., Alvarez-Zarikian, C., and Stow, D.A.V. 2012. Coccolithophore biogeography in the south and west Iberian Margin: preliminary results from water and mudline samples (IODP Expedition 339). Paper No. 247-7 (Abstract No: 209057) GSA Abstracts with Programs Vol. 44, No. 7 (2012 GSA Annual Meeting, 4-7 Nov).
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- Takahashi, K., Ravelo, C.A., Alvarez Zarikian, C.A., Aiello, I., J. Onodera, Z. Stroynowski, T. Radi, Y. Okazaki, M. Cheng, S. Kender, and the IODP Expedition 323 Scientific Party. 2009. IODP Expedition 323: the Pliocene-Pleistocene Bering Sea drilling for high resolution paleoceanographic changes with high sedimentation rates. INVEST Meeting, Bremen University.
- Alvarez Zarikian, C. A., Stepanova, A.Y., and Grützner, J., 2009. Ostracods in Paleooceanography: an example from the deep subpolar North Atlantic at IODP Site U1314, NAMS-SEPM Geologic Problem Solving with Microfossils II, University of Houston, Houston, Texas, USA, March 2009
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- Alvarez Zarikian, C.A., Swart, P.K., and Gifford, J.A. 2001. Holocene climate record from Little Salt Spring, Florida. 14th International Symposium on Ostracoda, Shizuoka, Japan (July 27-August 8, 2001)
- Alvarez Zarikian, C.A., Blackwelder, P.L., Hood, T., Wanless, H.R., Nelsen, T.A., and Featherstone, C. 2001. Hurricane impact on the sedimentary record derived from micropaleontological data. Florida Bay Science Conference, Westin Beach Resort, Key Largo, Florida (April 23-26, 2001)
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- 1994 Nelsen, T., Blackwelder, P., Hood, T., Alvarez Zarikian, C.A., McKee, B. 1994. Man's diachronic influence on the marine environment: linking continents with the coastal ocean. Eos, Transactions, AGU, 76, 3, 1996 Ocean Sciences Meeting-AGU, Abstract OS31K-03

PAST AND PRESENT GRADUATE STUDENTS

- 1) Amanda J. Ulincy (MS, Dept. of Geology & Geophysics, Texas A&M University, 2010-present). Mrs. Ulincy was awarded the prestigious Ocean Drilling and Sustainable Earth Sciences (ODASES) fellowship from TAMU College of Geosciences for the fall academic semester 2012.
- 2) Meaghan Julian (MS, Dept. Geology & Geophysics, Texas A&M University, 2007-2008).

PROFESSIONAL AFFILIATIONS

Member of the Scientific Committee for the 17th International Symposium on Ostracoda, University of Roma Tre, Rome, Italy (July 23rd -26th, 2013)

IODP-U.S. Implementation Organization Liaison to the IODP Science Steering and Evaluation Panel (SSEP) (2004-2011)
American Geophysical Union (since 1999)

HONORS AND AWARDS

New species of fossil ostracoda, *Rugocythereis zarikiani*, named in my honor by Yasuhara et al 2013 [Palaeontology, Vol. 56, Part 5, 2013, pp. 1045–1080; doi: 10.1111/pala.12035]
Invited Keynote Speaker, 17th International Symposium on Ostracoda, Rome, Italy (July 2013)
Research Assistantship, University of Miami, Miami, FL (1994-2003)
Outstanding Student of the Year (2002) Division of Marine Geology and Geophysics, RSMAS, University of Miami
Invited Speaker (2002) Seminar Series, Dept. of Geology, University of Florida, Gainesville, Florida
Bader Memorial Fund Award for outstanding student research (2001) RSMAS, University of Miami
2nd Place, 6th Annual *Graduate Student Research and Creativity Forum*, Univ. of Miami (2001)
Best Student Presentation, *The Coastal Society Conference* (2000) Portland, Oregon
2nd Place, 4th Annual *Graduate Student Research and Creativity Forum*, Univ. of Miami (1999)
1st Place, 3rd Annual *Graduate Student Research and Creativity Forum*, Univ. of Miami (1998)
Raymond E. Peck Scholarship (1993) Camp Branson Field Laboratory, University of Missouri-Columbia
Summer Undergraduate Fellowship (1992) RSMAS, University of Miami

LANGUAGES SKILLS

Fluent in English, Spanish (native), basic knowledge in French.