



Ministerio de Economía y Competitividad.
Secretaría de Estado de Investigación,
Desarrollo e Innovación

Currículum vitae Impreso normalizado

Nombre: Peter Graham Mortyn

Fecha: 11 enero de 2013

Firma:

El arriba firmante declara que son ciertos los datos que figuran en este currículum, asumiendo en caso contrario las responsabilidades que pudieran derivarse de las inexactitudes que consten en el mismo.

No olvide que es necesario firmar al margen cada una de las hojas

Este currículum no excluye que en el proceso de evaluación se le requiera para ampliar la información aquí contenida.

APELLIDOS: Mortyn

NOMBRE: Peter Graham

SEXO:H

DNI: X5634217-E **FECHA DE NACIMIENTO:** 21/02/66, San Francisco (USA) **Nº FUNCIONARIO:-**

DIRECCION PARTICULAR: C/ Pau Casals #44, 3-F

CIUDAD: Sant Cugat

CODIGO POSTAL: 08172

TELEFONO: 93 6751245

ESPECIALIZACION (Código UNESCO): 251002 Oceanografía Química

ACCREDITATION: 4 July, 2008 Agència per a la Qualitat del Sistema Universitari de Catalunya (AQU)

ADVANCED ACCREDITATION: 8 October, 2012 Agència per a la Qualitat del Sistema Universitari de Catalunya (AQU)

FORMACION ACADEMICA

LICENCIATURA/INGENIERIA	CENTRO	FECHA
Bachelor of Science, Earth Sciences	University of California at Santa Cruz	Junio, 1987
Master of Science, Geological Sciences	University of South Carolina	Julio, 1994
DOCTORADO		
Doctor of Philosophy, Oceanography	Scripps Institution of Oceanography, University of California at San Diego	Marzo, 2000
DIRECTOR(ES) DE TESIS: Dr. Christopher D. Charles		

SITUACION PROFESIONAL ACTUAL

ORGANISMO: Universidad Autónoma de Barcelona

FACULTAD, ESCUELA o INSTITUTO: Instituto de Ciencia y Tecnología Ambientales (ICTA) and Department of Geography

DEPT./SECC./ UNIDAD ESTR.: *Geography*

CATEGORIA PROFESIONAL Y FECHA DE INICIO: Profesor Agregado, Diciembre 2009

DIRECCION POSTAL: ICTA, Edificio Cn – Campus UAB, Bellaterra 08193

TELEFONO (indicar prefijo, número y extensión): 93-581 4218

CUERPO AL QUE PERTENECE: Universidad Autónoma de Barcelona

DEDICACION: X A TIEMPO COMPLETO A TIEMPO PARCIAL

CONTRATADO:

TRAMOS DE INVESTIGACIÓN QUE TIENE ACREDITADOS:

ACTIVIDADES ANTERIORES DE CARACTER CIENTIFICO O PROFESIONAL

<i>FECHAS</i>	<i>PUESTO</i>	<i>INSTITUCION</i>
2004-2009	Investigador, Programa Ramon y Cajal	Universitat Autònoma de Barcelona
2001-2004	Profesor Asistente	California State University, Fresno (EEUU)
2000-2001	Miembro Internacional de Investigación (Programa Postdoctoral)	Vrije Universiteit Amsterdam (Holanda), University of Cambridge (Reino Unido)
1996-2000	Doctorando/Investigador	Scripps Institution of Oceanography, University of California at San Diego (UCSD), (EEUU)
1997	Auxiliar de profesorado	Scripps Institution of Oceanography and UCSD (EEUU)
1995-1996	Asistente y consultor de docencia	Center For Teaching Development, UCSD (EEUU)
1995	Investigador	Scripps Institution of Oceanography (EEUU)
1994-1995	Profesor Asistente (Teaching Asst.)	Scripps Institution of Oceanography and U.C.S.D (EEUU)
1993-1994	Investigador auxiliar	Department of Geological Sciences, University of South Carolina (EEUU)
1992-1993	Profesor Asistente (Teaching Asst.)	Department of Geological Sciences, University of South Carolina (EEUU)
1991-1992	Geólogo (Staff Geologist)	Industrial and Hazardous Waste Division, Emcon Associates Inc.(EEUU)
1987-1990	Geólogo (Staff Geologist)	Sweet-Edwards/EMCON, Inc.(EEUU)

IDIOMAS DE INTERES CIENTIFICO (R=regular,B=bien,C=correctamente)

<i>IDIOMA</i>	<i>HABLA</i>	<i>LEE</i>	<i>ESCRIBE</i>
Inglés	C	C	C
Castellano	B	B	B
Italiano	B	B	B

PARTICIPACION EN PROYECTOS DE INVESTIGACION FINANCIADOS EN LOS ULTIMOS 5 AÑOS Y LAS MÁS RELEVANTES DE AÑOS ANTERIORES

TITULO DEL PROYECTO: *Applied Geography Research Group*

ENTIDAD FINANCIADORA: Departament d'Universitats, Recerca I Societat de la Informació

DURACION DESDE: 2011 **HASTA:** 2014

INVESTIGADOR PRINCIPAL: Dr. Antoni F. Tulla Pujol

TITULO DEL PROYECTO: *Inverted Microscope and Micro-manipulator System*

ENTIDAD FINANCIADORA: Spanish Ministry of Science and Innovation and European Union (EU), Infrastructure Award

DURACION DESDE: 2011 **HASTA:** 2014

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Mediterranean Sea Acidification in a Changing Climate - MedSea*

ENTIDAD FINANCIADORA: European Union (EU), Framework Program 7 (FP7) Project

DURACION DESDE: 2011 **HASTA:** 2014

INVESTIGADOR PRINCIPAL: Dr. Patrizia Ziveri

TITULO DEL PROYECTO: *Productivity and Carbonate Dynamics in the Southern Ocean and Impacts on Atmospheric CO₂ - PROCARSO*

ENTIDAD FINANCIADORA: Ministry of Science and Innovation (MCI), Spain

DURACION DESDE: 2010 **HASTA:** 2013

INVESTIGADOR PRINCIPAL: Dr. Patrizia Ziveri

TITULO DEL PROYECTO: *Past 4 Future*

ENTIDAD FINANCIADORA: European Unión, Marie Curie Action, Framework Program 7 (FP7) Collaborative Project

DURACION DESDE: 2009 **HASTA:** 2014

INVESTIGADOR PRINCIPAL: Dr. Dorthe Dahl-Jensen

TITULO DEL PROYECTO: *Mass Spectrometer for Paleoclimatological and Environmental Studies, infrastructure proposal for the procurement of a gas-source mass spectrometer and carbonate preparation device*

ENTIDAD FINANCIADORA: Spanish Ministry of Science and Innovation

DURACION DESDE: 2009 **HASTA:** 2012

INVESTIGADOR PRINCIPAL: Dr. Rainer Zahn

TITULO DEL PROYECTO: *GATEWAYS*

ENTIDAD FINANCIADORA: European Unión, Marie Curie Action, Initial Training Network (ITN)

DURACION DESDE: 2009 **HASTA:** 2013

INVESTIGADOR PRINCIPAL: Dr. Rainer Zahn

TITULO DEL PROYECTO: *Grupo de Estudios de Procesos Oceánicos y Climáticos (GEPOC)*

ENTIDAD FINANCIADORA: Departament d'Universitats, Recerca I Societat de la Informació

DURACION DESDE: 2009 **HASTA:** 2012

INVESTIGADOR PRINCIPAL: Dr. Antoni Rosell Melé

MEC/SEUI/DGU – Convocatoria de becas de PNFPJ. Currículum vitae del director o codirector

TITULO DEL PROYECTO: *Decadal scale Variability of the Mediterranean Ecosystem (MedEcos)*
ENTIDAD FINANCIADORA: European Science Foundation
DURACION DESDE: 2008 **HASTA:** 2013
INVESTIGADOR PRINCIPAL: Dr. Vasilios Zervakis

TITULO DEL PROYECTO: *La dinámica de la emisión y captura de carbono: los eventos hipertermales del eoceno*
ENTIDAD FINANCIADORA: Ministry of Science and Education
DURACION DESDE: 2007 **HASTA:** 2010
INVESTIGADOR PRINCIPAL: Dr. Patrizia Ziveri

TITULO DEL PROYECTO: *Control climático de la variabilidad del hielo marino y la productividad marina exportada de carbono en el Ártico durante el Holoceno (ICECARB)*
ENTIDAD FINANCIADORA: Ministry of Science and Education
DURACION DESDE: 2005 **HASTA:** 2008
INVESTIGADOR PRINCIPAL: Dr. Antoni Rosell Melé

TITULO DEL PROYECTO: *Grupo de Estudios de Procesos Oceánicos y Climáticos (GEPOC)*
ENTIDAD FINANCIADORA: Departament d'Universitats, Recerca I Societat de la Informació
DURACION DESDE: 2005 **HASTA:** 2008
INVESTIGADOR PRINCIPAL: Dr. Antoni Rosell Melé

TITULO DEL PROYECTO: *La dinámica geohistórica del paisaje pirenaico*
ENTIDAD FINANCIADORA: Universitat Autònoma de Barcelona
DURACION DESDE: 2005 **HASTA:** 2007
INVESTIGADOR PRINCIPAL: Dr. Antoni Francesc Tulla Pujol

TITULO DEL PROYECTO: *Calibration of marine temperature proxies in high- and mid-latitudes of the Atlantic*
ENTIDAD FINANCIADORA: Complementary Action Award, Spanish Ministry of Science and Education
DURACION DESDE: 2006 **HASTA:** 2007
INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Calibration and validation of geochemical proxies for SST: toward improved reconstructions of upper ocean parameters (CAVAPROX)*
ENTIDAD FINANCIADORA: Young Investigator Award, Spanish Ministry of Science and Education
DURACION DESDE: 2006 **HASTA:** 2009
INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Infrastructural equipment purchases for the Group for the Study of Oceanic and Climate Processes (GEPOC)*

ENTIDAD FINANCIADORA: Generalitat de Catalunya PEIR 2005 Research Equipment Acquisition

DURACION DESDE: 2005 **HASTA:** 2006

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Analysis of trace elements for the reconstruction of temperature and other climate system parameters*

ENTIDAD FINANCIADORA: Universitat Autònoma de Barcelona Research Commission, New Lines of Research Program

DURACION DESDE: 2005 **HASTA:** 2006

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Supervision of student-run seminar series*

ENTIDAD FINANCIADORA: California State University Fresno (CSUF), College of Science and Mathematics (USA), Special Instructional Program Award

DURACION DESDE: 2003 **HASTA:** 2004

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn and Dr. Keith D. Putirka

TITULO DEL PROYECTO: *Research activity support*

ENTIDAD FINANCIADORA: California State University Fresno (CSUF), College of Science and Mathematics (USA), Performance Award

DURACION DESDE: 2003 **HASTA:** 2004

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Research activity support*

ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, Provost Award for Research, Scholarship, and Creative Activity

DURACION DESDE: 2003 **HASTA:** 2004

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Environmental Sciences course development*

ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, Digital Campus Title V Course Development Award

DURACION DESDE: 2003 **HASTA:** 2004

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *3 units of assigned release time*

ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, Scholarly and Creative Activity Award

DURACION DESDE: 2003 **HASTA:** 2004
INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Research activity support*
ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, Minigrant Award
DURACION DESDE: 2003 **HASTA:** 2003
INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Research equipment acquisition*
ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, Faculty Research Equipment Award
DURACION DESDE: 2002 **HASTA:** 2003
INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Research activity support*
ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, Performance Award
DURACION DESDE: 2002 **HASTA:** 2003
INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Research equipment purchases*
ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, New Program Award
DURACION DESDE: 2002 **HASTA:** 2003
INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Research activity award*
ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, Provost Award / Legislative Award
DURACION DESDE: 2002 **HASTA:** 2003
INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *6 units of assigned release time*
ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, College of Science and Mathematics Scholarly and Creative Activity Award
DURACION DESDE: 2002 **HASTA:** 2003
INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Acquisition of stable isotope mass spectrometer*

ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, College of Science and Mathematics Matching Funds Award

DURACION DESDE: 2002

HASTA: 2003

INVESTIGADOR PRINCIPAL: Dr. C. John Suen and Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Department web site development and enhancement*

ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, College of Science and Mathematics New Program Award

DURACION DESDE: 2001

HASTA: 2002

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *New marine geochemistry laboratory*

ENTIDAD FINANCIADORA: California State University Fresno (CSUF), USA, College of Science and Mathematics New Program Award

DURACION DESDE: 2001

HASTA: 2002

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Stable isotope calibrations between microfossils and seawater*

ENTIDAD FINANCIADORA: Whole Earth Society, SIO-UCSD, USA

DURACION DESDE: 1995

HASTA: 1996

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Enhancing SST Reconstruction Accuracy and Resolution with Planktonic Foraminiferal Mg/Ca Collaborations in Australia and Mexico (ERACAM)*

ENTIDAD FINANCIADORA: Ministerio de Educación y Ciencia

DURACION DESDE: 2008

HASTA: 2009

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Calibración y validación de proxies geoquímicas para la SST: hacia una reconstrucción mejorada de los parámetros oceanicos superficiales*

ENTIDAD FINANCIADORA: Ministerio de Educación y Ciencia

DURACION DESDE: 2007

HASTA: 2009

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *El papel de la superficie del océano en los cambios climáticos; calibración de trazadores geoquímicos en foraminíferos planctónicos para la reconstrucción de temperaturas de la superficie marina*

ENTIDAD FINANCIADORA: Ministerio de Ciencia y Tecnología

DURACION DESDE: 2004

HASTA: 2009

INVESTIGADOR PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *A revised temperature calibration of planktonic foraminiferal $\delta^{18}O$ and Mg/Ca ratios.*

ENTIDAD FINANCIADORA: National Science Foundation (NSF), International Research Fellowship Program (IRFAP)(USA)

DURACION DESDE: 2000

HASTA: 2001

INVESTIGADOR/A PRINCIPAL: Dr. P. Graham Mortyn

TITULO DEL PROYECTO: *Planktonic foraminifera and upper water column variability in the South Atlantic: a multiple species approach to the deep sea sedimentary record of climate change.*
ENTIDAD FINANCIADORA: National Science Foundation (NSF)(USA), National Oceanic and Atmospheric Administration (NOAA)(USA)
DURACION DESDE: 1994 **HASTA:** 2000
INVESTIGADOR/A PRINCIPAL: Dr. Christopher D. Charles

TITULO DEL PROYECTO: *Paleoceanographic history of the Southern California Borderlands during the last glacial-interglacial cycle*
ENTIDAD FINANCIADORA: National Science Foundation (NSF)(USA), National Oceanic and Atmospheric Administration (NOAA)(USA)
DURACION DESDE: 1992 **HASTA:** 1994
INVESTIGADOR/A PRINCIPAL: Dr. Robert C. Thunell

PUBLICACIONES
(referido a los últimos 5 años y las más relevantes de años anteriores)

Indicar volumen, páginas inicial y final (año) y clave.

CLAVE: L= libro completo, CL.= capítulo de libro, A= artículo, R= revista, E=editor

AUTORES (p.o. de firma): Mortyn, P.G.

TITULO: *Paleoceanographic history of the Southern California Borderlands during the last 25,000 years*

REF. REVISTA/LIBRO: M.S. Thesis, University of South Carolina, 1994, 109pp. **CLAVE:** L

AUTORES (p.o. de firma): Thunell, R.C., and P.G. Mortyn

TITULO: *Glacial climate instability in the northeast Pacific Ocean*

REF. REVISTA/LIBRO: Nature 376, 504-506, 1995 **CLAVE:** A

AUTORES/AS (p.o. de firma): Mortyn, P.G., R.C. Thunell, D.M. Anderson, L.D. Stott, and J. Le

TITULO: *Sea surface temperature changes in the Southern California Borderlands during the last glacial-interglacial cycle*

REF. REVISTA/LIBRO: Paleoclimatology 11, 415-430, 1996 **CLAVE:** A

AUTORES/AS (p.o. de firma): Mortyn, P.G., and R.C. Thunell

TITULO: *Biogenic sedimentation and surface productivity changes in the Southern California Borderlands during the last glacial-interglacial cycle*

REF. REVISTA/LIBRO: Marine Geology, 138, 171-192, 1997 **CLAVE:** A

AUTORES/AS (p.o. de firma): Mortyn, P.G.,

TITULO: *Planktonic foraminifera and upper water column variability in the South Atlantic*

REF. REVISTA/LIBRO: Ph.D. dissertation, Scripps Institution of Oceanography, University of California at San Diego, 2000, 155pp. **CLAVE:** L

AUTORES/AS (p.o. de firma): Kanfoush, S.L., D.A. Hodell, C.D. Charles, T.P. Guilderson, P.G. Mortyn, and U.S. Ninnemann

TITULO: *Millennial-scale instability of the Antarctic Ice Sheet during the last glaciation*

REF. REVISTA/LIBRO: Science, 288, 1815-1818, 2000 **CLAVE:** A

AUTORES/AS (p.o. de firma): Mortyn, P.G., C.D. Charles, and D.A. Hodell

TITULO: *Southern Ocean Upper Water Column Structure over the last 140 ky with Emphasis on the Glacial Terminations*

REF. REVISTA/LIBRO: Global and Planetary Change, 34, 241-252, 2002 **CLAVE:** A

AUTORES/AS (p.o. de firma): Hodell, D.A., C.D. Charles, J.H. Curtis, P.G. Mortyn, U.S. Ninnemann, and K.A. Venz

TITULO: *Data report: Oxygen isotope stratigraphy of ODP Leg 177 Sites 1088, 1090, 1093, and 1094*

REF. REVISTA/LIBRO: In: Gersonde, R., Hodell, D.A., and Blum, P. (Eds.), Proceedings of the ODP, Scientific Results, Volume 177, 2003 **CLAVE:** A

AUTORES/AS (p.o. de firma): Mortyn, P.G., and C.D. Charles

TITULO: *Planktonic foraminiferal depth habitat and $\delta^{18}O$ calibrations: plankton tow results from the Atlantic sector of the Southern Ocean*

REF. REVISTA/LIBRO: Paleoceanography, v.18 n° 2, 1037, doi: 10.1029/2001PA000637, 2003.

CLAVE: A

AUTORES/AS (p.o. de firma): Mortyn, P.G., C.D. Charles, U.S. Ninnemann, K. Ludwig, and D.A. Hodell

TITULO: *Deep sea sedimentary analogs for the Vostok ice core*

REF. REVISTA/LIBRO: Geochemistry, Geophysics, Geosystems, v. 4, n. 8, 8405,

doi:10.1029/2002GC000475, 2003.

CLAVE: A

AUTORES/AS (p.o. de firma): Mortyn, P.G., H. Elderfield, M. Greaves, and P. Anand.

TITULO: *An evaluation of controls on planktonic foraminiferal Sr/Ca: comparison of water column and core top data from a North Atlantic transect.*

REF. REVISTA/LIBRO: Geochemistry, Geophysics, Geosystems, 6, Q12007,

doi:10.1029/2005GC001047, 2005

CLAVE: A

AUTORES/AS (p.o. de firma): Stoll, H.M., A. Arevalos, A. Burke, P. Ziveri, P.G. Mortyn, N. Shimizu, and D. Unger

TITULO: *Seasonal cycles in biogenic production and export in Northern Bay of Bengal sediment traps*

REF. REVISTA/LIBRO: Deep Sea Research II, doi:10.1016/j.dsr2.2007.01.002, 2007 **CLAVE:** A

AUTORES/AS (p.o. de firma): Ziveri, P., B. de Bernardi, K.-H. Baumann, H. M. Stoll, and P.G. Mortyn

TITULO: *Sinking of coccolith carbonate and potential contribution to organic carbon ballasting in the deep ocean*

REF. REVISTA/LIBRO: Deep Sea Research II, doi:10.1016/j.dsr2.2007.01.006, 2007 **CLAVE:** A

AUTORES/AS (p.o. de firma): Mortyn, P.G.

TITULO: *Interactive comment on "Calcium isotopic composition of high-latitude proxy carrier Neogloboquadrina pachyderma (sin.)" by D. Hippler et al.*

REF. REVISTA/LIBRO: Biogeosciences Discussions, 4, S1562-S1567, 2007

CLAVE: A

AUTORES/AS (p.o. de firma): Mortyn, P.G., and M.À. Martínez Botí

TITULO: *Planktonic foraminifera and their proxies for the reconstruction of surface ocean climate parameters*

REF. REVISTA/LIBRO: Contributions to Science, 3(3), 371-383, 2008 **CLAVE:** A

AUTORES/AS (p.o. de firma): Triantaphyllou, M.V., A. Antonarakou, K. Kouli, M. Dimiza, G. Kontakiotis, P. Ziveri, P.G. Mortyn, V. Lykousis, and M.D. Dermitzakis

TITULO: *Plankton ecostratigraphy and pollen assemblage zones over the last 14, 000 years in SE Aegean Sea (Core NS-14)*

REF. REVISTA/LIBRO: Bulletin of the Geological Society of Greece, 30, 209-224, 2008

CLAVE: A

AUTORES/AS (p.o. de firma): Greaves, M., N. Caillon, H. Rebaubier, G. Bartoli, S. Bohaty, I. Cacho, L. Clarke, P. Delaney, P. deMenocal, A. Dutton, S. Eggins, H. Elderfield, E. Goddard, J. Groeneveld, D. Garbe-Schoenberg, D. Hastings, E. Hathorne, K. Katsusori, G. Klinkhammer, L. Labeyrie, D. Lea, T. Marchitto, M.A. Martínez Botí, P.G. Mortyn, Y. Ni, D. Nuernberg, G. Paradis, L. Pena, T. Quinn, Y. Rosenthal, A. Russell, T. Sagawa, R. Sherrell, L. Stott, K. Tachikawa, E. Tappa, R. Thunell, and P. Wilson

TITULO: *Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry*

REF. REVISTA/LIBRO: *Geochemistry, Geophysics, Geosystems*, 9, Q08010, doi:10.1029/2008GC001974, 2008. **CLAVE:** A

AUTORES/AS (p.o. de firma): Martínez-Botí, M.À., D. Vance, and **P.G. Mortyn**
TITULO: *Nd/Ca ratios in plankton-towed and core-top foraminifera reveal water column acquisition of Nd*

REF. REVISTA/LIBRO: *Geochemistry, Geophysics, Geosystems*, 10, Q08018, doi:10.1029/2009GC002701, 2009. **CLAVE:** A

AUTORES/AS (p.o. de firma): Triantaphyllou, M.V., A. Antonarakou, K. Kouli, M. Dimiza, G. Kontakiotis, M.D. Papanikolaou, P. Ziveri, **P.G. Mortyn**, V. Lianou, V. Lykousis, and M.D. Dermitzakis

TITULO: *Late Glacial – Holocene ecostratigraphy of the south-eastern Aegean Sea, based on plankton and pollen assemblages*

REF. REVISTA/LIBRO: *Geo-Marine Letters*, 29 (4), 249-267, 2009 **CLAVE:** A

AUTORES/AS (p.o. de firma): Charles, C.D, K. Pahnke, R. Zahn, **P.G. Mortyn**, U.S. Ninnemann, and D.A. Hodell

TITULO: *Millennial scale evolution of the Southern Ocean chemical divide*

REF. REVISTA/LIBRO: *Quaternary Science Reviews*, 29, 3-4, 399-409, 2010. **CLAVE:** A

AUTORES/AS (p.o. de firma): Incarbona, A., P. Ziveri, E. Di Stefano, F. Lirer, **P.G. Mortyn**, B. Patti, N. Pelosi, M. Sprovieri, G. Tranchida, M. Vallefucio, S. Albertazzi, L.G. Bellucci, A. Bonanno, S. Bonomo, P. Censi, L. Ferraro, S. Giuliani, S. Mazzola, , and R. Sprovieri

TITULO: *Calcareous nannofossil assemblages from the Central Mediterranean Sea over the last four centuries: the impact of the Little Ice Age*

REF. REVISTA/LIBRO: *Climate of the Past Discussions*, 6, 817-866, 2010. **CLAVE:** A

AUTORES/AS (p.o. de firma): Incarbona, A., P. Ziveri, E. Di Stefano, F. Lirer, **P.G. Mortyn**, B. Patti, N. Pelosi, M. Sprovieri, G. Tranchida, M. Vallefucio, S. Albertazzi, L.G. Bellucci, A. Bonanno, S. Bonomo, P. Censi, L. Ferraro, S. Giuliani, S. Mazzola, and R. Sprovieri

TITULO: *The impact of the Little Ice Age on coccolithophores in the central Mediterranean Sea*

REF. REVISTA/LIBRO: *Climate of the Past*, 6, 795-805, doi:10.5194/cp-6-795-2010, 2010.

CLAVE: A

AUTORES/AS (p.o. de firma): Kontakiotis, G., **P.G. Mortyn**, A. Antonarakou, M.À. Martínez Botí, and M.V. Triantaphyllou,

TITULO: *Field-based validation of a diagenetic effect on *G. ruber* Mg/Ca paleothermometry: core-top results from the Aegean Sea (Eastern Mediterranean)*

REF. REVISTA/LIBRO: *Geochemistry, Geophysics, Geosystems*, 12, Q09004, doi:10.1029/2011GC003692, 2011. **CLAVE:** A

AUTORES/AS (p.o. de firma): Martínez Botí, M.À., P.G. Mortyn, D. Schmidt, D. Vance, and D.B. Field

TITULO: *Mg/Ca in foraminifera from plankton tows: evaluation of proxy controls and comparison with core-tops*

REF. REVISTA/LIBRO: *Earth and Planetary Science Letters*, 307, 113-125, 2011

CLAVE: A

AUTORES/AS (p.o. de firma): Herguera, J.C., P.G. Mortyn, T.D. Herbert, and C.D. Charles

TITULO: *Mg/Ca in benthic foraminifera in the NE Pacific margin: tracers of temperature and carbonate undersaturation in intermediate waters*

REF. REVISTA/LIBRO: *Geochemistry, Geophysics, Geosystems*, submitted, 2013. **CLAVE:** A

AUTORES/AS (p.o. de firma): Kontakiotis, G., A. Antonarakou, M.V. Triantaphyllou, **P.G. Mortyn**, I. Bouloubassi, A. Gogou, G. Katsouras, M. Dermitzakis, V. Lykousis, and M.À. Martínez-Botí

TITULO: *Planktonic foraminiferal Mg/Ca as a proxy for paleoceanographic reconstruction during deposition of Holocene S1 sapropel in Aegean Sea*

REF. REVISTA/LIBRO: *Proceedings of the 9th Hellenic Symposium on Oceanography and Fisheries*, vol.1, p.73-78, 2009. **CLAVE:** A

AUTORES/AS (p.o. de firma): Rodríguez Sanz, L., **P.G. Mortyn**, A. Martínez Garcia, A. Rosell-Melé, and I.R. Hall

TITULO: *Glacial Southern Ocean freshening at the onset of the Middle Pleistocene Climate Transition*

REF. REVISTA/LIBRO: *Earth and Planetary Science Letters*, 345-348, 194-202, 2012.

CLAVE: A

AUTORES/AS (p.o. de firma): Martínez Botí, M.À., **P.G. Mortyn**, D. Vance, and D.B. Field

TITULO: *Water column study of planktonic foraminiferal Cd/Ca temperature-nutrient dependency: plankton tow results from the NE Pacific*

REF. REVISTA/LIBRO: *Geochemistry, Geophysics, Geosystems*, submitted, 2013. **CLAVE:** A

AUTORES/AS (p.o. de firma): Herguera, J.C., **P.G. Mortyn**, and M.À. Martínez Botí

TITULO: *Links between Southern California Current variability and Northern Hemisphere temperatures: the past millennium*

REF. REVISTA/LIBRO: *Nature Geoscience*, submitted, 2013.

CLAVE: A

AUTORES/AS (p.o. de firma): **Mortyn, P.G.**, J.C. Herguera, and M.À. Martínez Botí

TITULO: *Instrumental validation of *Globigerinoides ruber* Mg/Ca as a proxy for NE Pacific summer SST*

REF. REVISTA/LIBRO: *Geophysical Research Letters*, 38, L16601, doi:10.1029/2011GL047803, 2011. **CLAVE:** A

AUTORES/AS (p.o. de firma): Incarbona, A., B. Martrat, **P.G. Mortyn**, M. Sprovieri, P. Ziveri, E. Di Stefano, J.O. Grimalt, L. Langone, L. Rodríguez Sanz, G. Tranchida, R. Sprovieri, and S. Mazzola

TITULO: *Eastern Mediterranean Transient-type events over the last five centuries*

REF. REVISTA/LIBRO: *Nature*, submitted, 2013. **CLAVE:** A

AUTORES/AS (p.o. de firma): Kontakiotis, G., A. Antonarakou, M.V. Triantaphyllou, **P.G. Mortyn**, M.A. Martínez-Botí, and M.D. Dermitzakis

TITULO: *Using planktonic foraminiferal Mg/Ca ratios to detect a double temperature-salinity influence in the Aegean Sea*

REF. REVISTA/LIBRO: *Proceedings of the 10th Hellenic Symposium on Oceanography and Fisheries*, vol.1, p. 1-11, 2012. **CLAVE:** A

AUTORES/AS (p.o. de firma): Antonarakou, A., G. Kontakiotis, M.V. Triantaphyllou, **P.G. Mortyn**, and M.A. Martínez-Botí

TITULO: **Globigerinoides ruber*: key-species of carbonate diagenesis for Mg/Ca paleothermometry in high salinity settings*

REF. REVISTA/LIBRO: *Proceedings of the 10th Hellenic Symposium on Oceanography and Fisheries*, vol.1, p. 1-11, 2012. **CLAVE:** A

AUTORES/AS (p.o. de firma): Mortyn, P.G. **TITULO:** *More roundabouts and reduced vehicle emissions?* **REF. REVISTA/LIBRO:** *Environmental Science and Technology*, 46, dx.doi.org/10.1021/es301847c, p. 6448-6448, 2012. **CLAVE:** A

AUTORES/AS (p.o. de firma): Verducci, M., **P.G. Mortyn**, M. Tiepolo, L.M. Foresi, D. Nürnberg, and D. Garbe-Schönberg **TITULO:** *Effects of diagenesis on fossil planktonic foraminifers and its detection through laser ablation and solution analysis: implications for Mg/Ca-based paleoenvironmental reconstructions* **REF. REVISTA/LIBRO:** *Geochemistry, Geophysics, Geosystems*, submitted, 2012. **CLAVE:** A

AUTORES/AS (p.o. de firma): Jonkers, L., P.C. Jimenez-Amat, **P.G. Mortyn**, and G.-J.A. Brummer **TITULO:** *Different sensitivity of *N. pachyderma* (s.) and *G. bulloides* Mg/Ca to seasonal temperature change in the northern North Atlantic* **REF. REVISTA/LIBRO:** *Earth and Planetary Science Letters*, submitted, 2013. **CLAVE:** A

AUTORES/AS (p.o. de firma): Horigome, M.T., G. Marino, P. Ziveri, R. Schiebel, and **P.G. Mortyn** **TITULO:** *Planktonic foraminiferal shell thinning in the Subantarctic Atlantic Ocean during the Mystery Interval pCO₂ rise* **REF. REVISTA/LIBRO:** *Biogeosciences*, submitted, 2013. **CLAVE:** A

AUTORES/AS (p.o. de firma): Horigome, M.T., P. Ziveri, M. Grelaud, K.-H. Baumann, G. Marino, and **P.G. Mortyn** **TITULO:** *Is seawater carbonate chemistry controlling coccolith calcite mass?* **REF. REVISTA/LIBRO:** *Biogeosciences*, submitted, 2013. **CLAVE:** A

**PARTICIPACION EN CONTRATOS DE INVESTIGACION DE ESPECIAL
RELEVANCIA CON EMPRESAS Y/O ADMINISTRACIONES
(referido a los últimos 10 años)**

TITULO DEL CONTRATO: Geólogo (Staff Geologist)

EMPRESA/ADMINISTRACIÓN FINANCIADORA: Sweet-Edwards/EMCON, Inc.

DURACIÓN DESDE:1987 **HASTA:** 1990

INVESTIGADOR/A RESPONSABLE: Randy Sweet

TITULO DEL CONTRATO: Geólogo (Staff Geologist)

EMPRESA/ADMINISTRACIÓN FINANCIADORA: EMCON Associates, Inc.

DURACIÓN DESDE:1991 **HASTA:** 1992

INVESTIGADOR/A RESPONSABLE: Jack Harden

ESTANCIAS EN CENTROS EXTRANJEROS
(estancias continuadas superiores a seis meses en los últimos 10 años)

Clave D=doctorado, P=postdoctoral. Y= invitado, C=contratado, O=otras (especificar)

CENTRO: Scripps Institution of Oceanography, University of California at San Diego
LOCALIDAD: La Jolla, California **PAIS:** EEUU **AÑO:** 1994-2000
DURACIÓN: 5 años y medio
TEMA: *Planktonic foraminifera and upper water column variability in the South Atlantic: A multiple species approach to the deep sea sedimentary record of climate change* **CLAVE:** D

CENTRO: Vrije Universiteit Amsterdam / University of Cambridge (UK)
LOCALIDAD: Amsterdam / Cambridge **PAIS:** Países Bajos / Reino Unido **AÑO:** 2000-2001
DURACIÓN: 5 trimestres
TEMA: *A Revised temperature calibration of planktonic foraminiferal $\delta^{18}O$ and Mg/Ca ratios* **CLAVE:** P

CENTRO: California State University, Fresno
LOCALIDAD: : Fresno, CA **PAIS:** EEUU **AÑO:** 2001-2004
DURACIÓN: 3 años
TEMA: Profesor **CLAVE:** O, profesor asistente

CONGRESOS

AUTORES/AS: Mortyn, P.G., R.C. Thunell, D.M. Anderson, and L.D. Stott

TÍTULO: *Paleoceanographic history of the southern California borderlands during the last 25,000 years*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: American Geophysical Union

PUBLICACIÓN: *Eos Trans.* American Geophysical Union (AGU), 74 (43), Fall Meet. Suppl.

LUGAR DE CELEBRACIÓN: San Francisco, CA, USA

AÑO: 1993

AUTORES/AS: Mortyn, P.G., R.C. Thunell, L.D. Stott, D.M. Anderson, and J.A. Kennedy

TÍTULO: *Glacial sea surface temperatures in the Southern California Borderlands*

TIPO DE PARTICIPACIÓN: póster

CONGRESO: American Geophysical Union

PUBLICACIÓN: *Eos Trans.* American Geophysical Union (AGU), 75 (16), Spring Meet. Suppl.

LUGAR DE CELEBRACIÓN: Baltimore, MD, USA

AÑO: 1994

AUTORES/AS: Mortyn, P.G., and R.C. Thunell

TÍTULO: *Glacial climate instability in the northeast Pacific Ocean*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: American Geophysical Union

PUBLICACIÓN: *Eos Trans.* American Geophysical Union (AGU), Fall Meet. Suppl., O12A-08

LUGAR DE CELEBRACIÓN: San Francisco, CA, USA

AÑO: 1995

AUTORES/AS: Mortyn, P.G., and C.D. Charles

TÍTULO: *Calibration of vertically stratified planktonic foraminifera in the South Atlantic Ocean: defining the water column-deep sea sediment link*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: American Geophysical Union

PUBLICACIÓN: *Eos Trans.* American Geophysical Union (AGU), Fall Meet. Suppl., OC71C-02

LUGAR DE CELEBRACIÓN: San Francisco, CA, USA

AÑO: 1996

AUTORES/AS: Mortyn, P.G., and C.D. Charles

TÍTULO: *Planktonic foraminifera from the water column and deep-sea sediments of the South Atlantic polar front zone: a multiple species abundance and $\delta^{18}O$ approach*

TIPO DE PARTICIPACIÓN: póster

CONGRESO: Development of Paleoceanography as a New Field of Science

PUBLICACIÓN: "Development of Paleoceanography as a New Field of Science" Proceedings Volume, Royal Swedish Academy of Sciences

LUGAR DE CELEBRACIÓN: Stockholm and Göteborg, Sweden

AÑO: 1997

AUTORES/AS: C.D. Charles, U.S. Ninnemann, and P.G. Mortyn

TÍTULO: *Thermohaline circulation and climate change in the southern hemisphere: characterizing the spectrum of variability over glacial cycles*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: American Geophysical Union (AGU) Chapman Conference on “Mechanisms of Millennial-Scale Global Climate Change”

PUBLICACIÓN: AGU Chapman Conference Proceedings Volume

LUGAR DE CELEBRACIÓN: Snowbird, UT, USA

AÑO: 1998

AUTORES/AS: Mortyn, P.G., and C.D. Charles

TÍTULO: *The Anatomy of millennial-scale climate oscillations in the Southern Ocean: a multi-species planktonic foraminiferal approach*

TIPO DE PARTICIPACIÓN: póster

CONGRESO: 6th International Conference on Paleoceanography

PUBLICACIÓN: International Conference on Paleoceanography #6 (ICP-6) Proceedings Volume

LUGAR DE CELEBRACIÓN: Lisbon, Portugal

AÑO: 1998

AUTORES/AS: Mortyn, P.G., and C.D. Charles

TÍTULO: *Detailed evolution of the Southern Ocean upper water column over glacial terminations*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: The Role of Sea Ice in Present and Past Southern Ocean Climate Variability

PUBLICACIÓN: LDEO NOAA/CORC II Workshop Proceedings Volume entitled “The Role of Sea Ice in Present and Past Southern Ocean Climate Variability”

LUGAR DE CELEBRACIÓN: Palisades, NY, USA

AÑO: 1999

AUTORES/AS: Mortyn, P.G., G.M. Ganssen, H. Elderfield, and M. Greaves

TÍTULO: *New calibrations of planktonic foraminiferal Mg/Ca ratios vs. temperature from the water column*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: American Geophysical Union

PUBLICACIÓN: *Eos Trans.* American Geophysical Union (AGU), 81 (48), Fall Meet. Suppl., OS62E-02

LUGAR DE CELEBRACIÓN: San Francisco, CA, USA

AÑO: 2000

AUTORES/AS: Mortyn, P.G., G.M. Ganssen, H. Elderfield, and M. Greaves

TÍTULO: *Planktonic foraminiferal Mg/Ca ratios from the water column and their implications for paleothermometry*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: European Geophysical Society

PUBLICACIÓN: European Geophysical Society (EGS) Geophysical Research Abstracts, EGS2001-PC4-0945

LUGAR DE CELEBRACIÓN: Niza, Francia

AÑO: 2001

AUTORES/AS: Mortyn, P.G

TÍTULO: *Sea surface temperature (SST) tracers in the study of global climate change: the importance of modern calibration before paleo-application*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: 23rd Annual Central California Research Symposium

PUBLICACIÓN: 23rd Annual Central California Research Symposium Proceedings Volume

LUGAR DE CELEBRACIÓN: Fresno, CA, USA

AÑO: 2002

AUTORES/AS: Kanfoush, S.L., D.A. Hodell, C.D. Charles, J.S. Stoner, J.E.T. Channell, and P.G. Mortyn

TÍTULO: *Correlation of ice-rafted detritus in South Atlantic sediments with polar ice: implications for interhemispheric millennial climate change during the last glacial period*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: Geological Society of America

PUBLICACIÓN: Geological Society of America Abstracts with Programs, V. 35 n. 6

LUGAR DE CELEBRACIÓN: Seattle, WA, USA

AÑO: 2003

AUTORES: Mortyn, P.G., H. Elderfield, M. Greaves, P. Anand

TÍTULO: *Temperature sensitivity of planktonic foraminiferal Sr/Ca: discriminating against dissolution influence via water column versus core-top comparison*

TIPO DE PARTICIPACIÓN: Póster

CONGRESO: International Conference on Paleoceanography n° 8

PUBLICACIÓN: ICP-8 Proceedings Volume

LUGAR DE CELEBRACIÓN: Biarritz, Francia

AÑO: 2004

AUTORES: Mortyn, P.G., and M.A. Martínez Botí

TÍTULO: *Planktonic foraminiferal trace element tracers of sea surface temperature (SST)*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: Spanish Climate Variability (CLIVAR)

PUBLICACIÓN: Spanish Climate Variability (CLIVAR) Conference Proceedings Volume

LUGAR DE CELEBRACIÓN: Madrid, Spain

AÑO: 2005

AUTORES: Martínez Botí, M.A. and P.G. Mortyn

TÍTULO: *“Water-truthing” of planktonic foraminiferal temperature-based geochemical proxies*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: Proxies in Paleoclimatology: Education and Research (PROPER)

PUBLICACIÓN: Proxies in Paleooceanographic Education and Research (PROPER) Proceedings Volume

LUGAR DE CELEBRACIÓN: Southampton, UK

AÑO: 2005

AUTORES: Triantaphyllou, M.V., A. Antonarakou, G. Kontakiotis, M. Dimiza, P. Ziveri, P.G. Mortyn, A. Gogou, V. Lykousis, and M.D. Dermitzakis

TÍTULO: *Calcareous nannofossil and planktonic foraminiferal assemblages and paleoecological reconstruction of Sapropel S1 in SE Aegean Sea*

MEC/SEUI/DGU – Convocatoria de becas de PNFPJ. Currículum vitae del director o codirector

TIPO DE PARTICIPACIÓN: oral
CONGRESO: International Nannoplankton Association (INA)
PUBLICACIÓN: INA-6 Proceedings Volume
LUGAR DE CELEBRACIÓN: Lincoln, NE, USA
AÑO: 2006

AUTORES: M.A. Martínez Botí, P.G. Mortyn, D. Vance, and D.B. Field
TÍTULO: *Water column study of planktonic foraminiferal Cd/Ca temperature-nutrient dependency: plankton tow results from the NE Pacific*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: American Geophysical Union (AGU) Fall Meeting
PUBLICACIÓN: *Eos Trans. American Geophysical Union (AGU)*, 87 (52), Fall Meet. Suppl., PP11B-04
LUGAR DE CELEBRACIÓN: San Francisco, CA, USA
AÑO: 2006

AUTORES: Mortyn, P.G., M.A. Martínez Botí, D. Vance, and D.B. Field
TÍTULO: *Further water column evidence for complexity in planktonic foraminiferal Mg/Ca: challenges for better understanding the paleotemperature tracer*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: American Geophysical Union (AGU) Fall Meeting
PUBLICACIÓN: *Eos Trans. American Geophysical Union (AGU)*, 87 (52), Fall Meet. Suppl., PP11B-08
LUGAR DE CELEBRACIÓN: San Francisco, CA, USA
AÑO: 2006

AUTORES: M.V. Triantaphyllou, A. Antonarakou, G. Kontakiotis, M. Dimiza, P. Ziveri, P.G. Mortyn, V. Lianou, V. Lykousis, and M.D. Dermizakis
TÍTULO: *Calcareous nannofossil and planktonic foraminiferal assemblages and paleoecological reconstruction of Sapropel S1 in the SE Aegean Sea*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: European Geophysical Union (AGU) Spring Meeting
PUBLICACIÓN: European Geophysical Union (EGU) Geophysical Research Abstracts Vol. 9, EGU2007-A-07805
LUGAR DE CELEBRACIÓN: Viena, Austria
AÑO: 2007

AUTORES: Kontakiotis, G., A. Antonarakou, P. G. Mortyn, M. V. Triantaphyllou, A. Gogou, I. Bouloubassi, P. Ziveri, V. Lykousis, M.D. Dermizakis
TÍTULO: *Temperature and water column conditions linked to sapropel S1 formation in the Aegean Sea: planktonic foraminiferal, Mg/Ca, and U^{237} evidence*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: International Conference on Paleoceanography nº 9
PUBLICACIÓN: ICP-9 Proceedings Volume
LUGAR DE CELEBRACIÓN: Shanghai, China
AÑO: 2007

AUTORES: Martínez Botí, M.A, P.G. Mortyn, D. Vance, and D.B. Field
TÍTULO: *Water column planktonic foraminiferal Mg/Ca versus surface ocean temperature: observations and implications*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: International Conference on Paleoceanography nº 9
PUBLICACIÓN: ICP-9 Proceedings Volume
LUGAR DE CELEBRACIÓN: Shanghai, China
AÑO: 2007

AUTORES: P.G. Mortyn, M.A. Martínez Botí, and J.C. Herguera
TÍTULO: *ENSO-related SST reconstructions for the past century and calibration from the Anthropocene to the Holocene: planktonic foraminiferal Mg/Ca evidence at quasi-annual resolution from San Lázaro Basin (NE Pacific)*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: International Conference on Paleoceanography nº 9
PUBLICACIÓN: ICP-9 Proceedings Volume
LUGAR DE CELEBRACIÓN: Shanghai, China
AÑO: 2007

AUTORES: Caillon, N., M. Greaves, H. Rebaubier, G. Bartoli, S. Bohaty, I. Cacho, L. Clarke, P. Delaney, P. deMenocal, A. Dutton, S. Eggins, H. Elderfield, E. Goddard, J. Groeneveld, D. Garbe-Schoenberg, D. Hastings, E. Hathorne, K. Katsusori, G. Klinkhammer, L. Labeyrie, D. Lea, T. Marchitto, M.A. Martínez Botí, P.G. Mortyn, Y. Ni, D. Nuernberg, G. Paradis, L. Pena, T. Quinn, Y. Rosenthal, A. Russell, T. Sagawa, R. Sherrell, L. Stott, K. Tachikawa, E. Tappa, R. Thunell, and P. Wilson
TÍTULO: *Interlaboratory comparison study of calibration standards for foraminiferal Mg/Ca thermometry*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: International Conference on Paleoceanography nº 9
PUBLICACIÓN: ICP-9 Proceedings Volume
LUGAR DE CELEBRACIÓN: Shanghai, China
AÑO: 2007

AUTORES: Herguera, J.C., P.G. Mortyn, T.D. Herbert, C.D. Charles
TÍTULO: *Salinity and temperature reconstruction from oxygen isotopes and Mg/Ca in benthic foraminifera in the NE Pacific margin during the Late Holocene*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: American Geophysical Union (AGU) Fall Meeting
PUBLICACIÓN: *Eos Trans. American Geophysical Unión (AGU)*, 88 (52), Fall Meet. Suppl., PP31B-0415
LUGAR DE CELEBRACIÓN: San Francisco, CA, USA
AÑO: 2007

AUTORES: Herguera, J.C., P.G. Mortyn, T.D. Herbert, C.D. Charles
TÍTULO: *Mg/Ca in benthic foraminifera in the NE Pacific margin: tracers of temperature and carbonate undersaturation in intermediate waters*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: European Geophysical Union (EGU)
PUBLICACIÓN: *Geophysical Research Abstracts Vol. 10*, EGU2008-A-05579
LUGAR DE CELEBRACIÓN: Viena, Austria

AÑO: 2008

AUTORES: Kontakiotis, G., A. Antonarakou, P.G. Mortyn, M.V. Triantaphyllou, A. Gogou, I. Bouloubassi, P. Ziveri, V. Lykousis, M.D. Dermitzakis

TÍTULO: *Temperature and water column conditions linked to sapropel S1 formation in the Aegean Sea: planktonic foraminiferal, Mg/Ca, and U^k₃₇ evidence*

TIPO DE PARTICIPACIÓN: poster

CONGRESO: European Geophysical Union (EGU)

PUBLICACIÓN: Geophysical Research Abstracts Vol. 10, EGU2008-A-06161

LUGAR DE CELEBRACIÓN: Viena, Austria

AÑO: 2008

AUTORES: Martínez Botí, M.À, P.G. Mortyn, D. Vance, D.B. Field, and D.N. Schmidt

TÍTULO: *Factors influencing the Mg/Ca ratio in planktonic foraminifera: new evidence from plankton tows*

TIPO DE PARTICIPACIÓN: poster

CONGRESO: European Geophysical Union (EGU)

PUBLICACIÓN: Geophysical Research Abstracts Vol. 10, EGU2008-A-08323

LUGAR DE CELEBRACIÓN: Viena, Austria

AÑO: 2008

AUTORES: Martínez-Botí, M.À, D. Vance, and P.G. Mortyn

TÍTULO: *Nd/Ca ratios in plankton-towed and core-top foraminifera confirm the water column acquisition of Nd*

TIPO DE PARTICIPACIÓN: poster

CONGRESO: European Geophysical Union (EGU)

PUBLICACIÓN: Geophysical Research Abstracts Vol. 10, EGU2008-A-07934

LUGAR DE CELEBRACIÓN: Viena, Austria

AÑO: 2008

AUTORES: Mortyn, P.G., M.À. Martínez-Botí, and J.C. Herguera

TÍTULO: *ENSO- and PDO-related SST reconstructions from the Anthropocene into the last millennium: planktonic foraminiferal Mg/Ca evidence at quasi-annual to multi-annual resolution from San Lázaro Basin (NE Pacific)*

TIPO DE PARTICIPACIÓN: poster

CONGRESO: European Geophysical Union (EGU)

PUBLICACIÓN: Geophysical Research Abstracts Vol. 10, EGU2008-A-05032

LUGAR DE CELEBRACIÓN: Viena, Austria

AÑO: 2008

AUTORES: Triantaphyllou, M.V., P. Ziveri, V. Lianou, P.G. Mortyn, V. Lykousis, M.D. Dermitzakis

TÍTULO: *Seawater $\delta^{18}O$ variability surrounding sapropel S1 deposition in the Aegean Sea*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: European Geophysical Union (EGU)

PUBLICACIÓN: Geophysical Research Abstracts Vol. 10, EGU2008-A-05419

LUGAR DE CELEBRACIÓN: Viena, Austria

AÑO: 2008

AUTORES: Mortyn, P.G., M.À. Martínez Botí, and J.C. Herguera

TÍTULO: *Reconstrucción de la variabilidad de las temperaturas superficiales del mar con resolución decadal para el último milenio en la región meridional de la Corriente de California*

TIPO DE PARTICIPACIÓN: oral

MEC/SEUI/DGU – Convocatoria de becas de PNFPJ. Currículum vitae del director o codirector

CONGRESO: Mexican Geophysical Union
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: Puerto Vallarta, México
AÑO: 2008

AUTORES: Herguera, J.C., D.B. Field, P.G. Mortyn, and M.À. Martínez Botí
TÍTULO: *Variability of the California Current on decadal timescales between the central and the southern domains for the past Millennium*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: California Cooperative Oceanic Fisheries Investigations (CalCOFI) Conference 2008
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: San Diego, CA, USA
AÑO: 2008

AUTORES: Mortyn, P.G., M.À. Martínez Botí, and J.C. Herguera
TÍTULO: *ENSO- and PDO-modulated SST reconstructions from the Anthropocene into the last 2 millennia: planktonic foraminiferal Mg/Ca evidence at Inter-annual resolution from San Lázaro Basin (NE Pacific)*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: American Geophysical Union (AGU) Fall Meeting
PUBLICACIÓN: *Eos Trans.* American Geophysical Union (AGU), 89 (53), Fall Meet. Suppl., PP11C-1412
LUGAR DE CELEBRACIÓN: San Francisco, CA, USA
AÑO: 2008

AUTORES: Rodríguez Sanz, L., P.G. Mortyn, A. Martínez Garcia, and A. Rosell-Melé
TÍTULO: *SST reconstruction in the Atlantic sector of the Southern Ocean (ODP Site 1090) from Mg/Ca ratios in planktonic foraminifera*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: European Geophysical Union (EGU)
PUBLICACIÓN: *Geophysical Research Abstracts* Vol. 11, EGU2009-962
LUGAR DE CELEBRACIÓN: Viena, Austria
AÑO: 2009

AUTORES: Kontakiotis, G., A. Antonarakou, P.G. Mortyn, M.V. Triantaphyllou, M.À. Martínez Botí, and M.D. Dermitzakis
TÍTULO: *Assessing the salinity effect on planktonic foraminiferal Mg/Ca: evidence from Aegean Sea core-top samples (Eastern Mediterranean)*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: European Geophysical Union (EGU)
PUBLICACIÓN: *Geophysical Research Abstracts* Vol. 11, EGU2009-1301
LUGAR DE CELEBRACIÓN: Viena, Austria
AÑO: 2009

AUTORES: Mortyn, P.G., M.À. Martínez-Botí, and J.C. Herguera
TÍTULO: *Decadal to multi-centennial SST reconstructions from the Anthropocene into the last 2 millennia: planktonic foraminiferal Mg/Ca evidence from San Lázaro Basin (NE Pacific)*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: European Geophysical Union (EGU)
PUBLICACIÓN: *Geophysical Research Abstracts* Vol. 11, EGU2009-3781
LUGAR DE CELEBRACIÓN: Viena, Austria
AÑO: 2009

AUTORES: Zahn, R., C. Feibel, I. Hall, R. Schneider, M.Á. Bárcena, S. Barker, A. Biastoch, C. Charles, J. Compton, R. Cowling, P. Diz, L. Dupont, J.-A. Flores, S. Goldstein, S. Hemming, K. Holmgren, J. Lee-Thorp, G. Knorr, C. Lear, A. Mazaud, P.G. Mortyn, F. Peeters, B. Preu, R. Rickaby, J. Rogers, A. Rosell-Mele, C. Reason, V. Spiess, M. Trauth, G. Uenzelmann-Neben, S. Weldeab, P. Ziveri, A.S. Cohen, R. Arrowsmith, A.K. Behrensmeyer, R. Johnson, Z. Kubsa, D. Olago, R. Potts, and R. Renaut

TÍTULO: *Land-ocean climate linkages and the human evolution – new ICDP and IODP drilling initiatives in the East African Rift Valley and SW Indian Ocean*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: European Geophysical Union (EGU)

PUBLICACIÓN: Geophysical Research Abstracts Vol. 11, EGU2009-5475

LUGAR DE CELEBRACIÓN: Viena, Austria

AÑO: 2009

AUTORES: Triantaphyllou, M.V., P. Ziveri, V. Lianou, P.G. Mortyn, G. Katsouras, A. Gogou, I. Bouloubassi, K.-C. Emeis, and V. Lykousis

TÍTULO: *Emiliana huxleyi coccolith $\delta^{18}O$ during the deposition of sapropel S1 in the Aegean Sea*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: European Geophysical Union (EGU)

PUBLICACIÓN: Geophysical Research Abstracts Vol. 11, EGU2009-12869

LUGAR DE CELEBRACIÓN: Viena, Austria

AÑO: 2009

AUTORES: Kontakiotis, G., A. Antonarakou, M.V. Triantaphyllou, P.G. Mortyn, M.D. Dermitzakis, and M.Á. Martínez-Botí

TÍTULO: *Using planktonic foraminifera Mg/Ca ratios to detect a double temperature-salinity trend in the Aegean Sea*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: Symposium of the Paleontology-Stratigraphy Committee (EPAS) of the Hellenic Geological Society

PUBLICACIÓN: Proceedings Volume

LUGAR DE CELEBRACIÓN: Athens, Greece

AÑO: 2009

AUTORES: Rodríguez Sanz, L., P.G. Mortyn, A. Martínez Garcia, and A. Rosell-Melé

TÍTULO: *Reconstructing thermal gradients of the upper Southern Ocean (ODP Site 1090) from Mg/Ca ratios in planktonic foraminifera and U^{37} during the Pleistocene*

TIPO DE PARTICIPACIÓN: oral

CONGRESO: 1st Antarctic Climate Evolution Symposium

PUBLICACIÓN: Proceedings Volume

LUGAR DE CELEBRACIÓN: Granada, Spain

AÑO: 2009

AUTORES: Rodríguez Sanz, L., P.G. Mortyn, A. Martínez Garcia, and A. Rosell-Melé

TÍTULO: *Sea surface temperature variability in the Atlantic sector of the Southern Ocean (ODP Site 1090) across the Middle Pleistocene Transition inferred from Mg/Ca ratios in planktonic foraminifera*

TIPO DE PARTICIPACIÓN: poster

CONGRESO: Urbino Summer School in Paleoclimatology (USSP 2009)

PUBLICACIÓN: Proceedings Volume

LUGAR DE CELEBRACIÓN: Urbino, Italy

AÑO: 2009

AUTORES: Mortyn, P.G., M.À. Martínez Botí, and J.C. Herguera
TÍTULO: *1100-year high resolution record of southern California Current summer SST records multi-centennial and decadal variability, and 20th century cooling*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: Interdisciplinary Planning Workshop on Hydrographic and Sediment-trap Monitoring of Anoxic Soledad Basin
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: Ensenada, Mexico
AÑO: 2009

AUTORES: Herguera, J.C., P.G. Mortyn, M.À. Martínez Botí, and G. Bernal Franco
TÍTULO: *Cooling of the California Current southern dynamic boundary during Northern Hemisphere warmings*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: American Geophysical Union (AGU) Fall Meeting
PUBLICACIÓN: *Eos Trans.* American Geophysical Union (AGU), Fall Meet. Suppl., PP22B-05
LUGAR DE CELEBRACIÓN: San Francisco, CA, USA
AÑO: 2009

AUTORES: Herguera, J.C., P.G. Mortyn, M.À. Martínez Botí, and G. Bernal Franco
TÍTULO: *Droughts and sea surface temperature variability in the southern California Current: high resolution records for the past 1.2ky*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: International Symposium: The Ocean, the Wine and the Valley
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: Ensenada, Mexico
AÑO: 2009

AUTORES: Incarbona, A., P. Ziveri, E. Di Stefano, F. Lirer, G. Tranchida, M. Vallefucio, P.G. Mortyn, B. Patti, R. Sprovieri, A. Bonanno, P. Censi, L. Ferraro, S. Mazzola, M. Sprovieri
TÍTULO: *Calcareous nannofossil assemblages from the central Mediterranean over the last four centuries*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: American Geophysical Union (AGU) Fall Meeting
PUBLICACIÓN: *Eos Trans.* American Geophysical Union (AGU), Fall Meet. Suppl., PP23C-1409
LUGAR DE CELEBRACIÓN: San Francisco, CA, USA
AÑO: 2009

AUTORES: Herguera, J.C., P.G. Mortyn, M.À. Martínez Botí, and G. Bernal Franco
TÍTULO: *Cooling of the California Current southern dynamic boundary during Northern Hemisphere warmings*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: California Cooperative Oceanic Fisheries Investigations (CalCOFI) Conference 2009
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: Pacific Grove, CA, USA
AÑO: 2009

AUTORES: Fietz, S., A. Rosell-Melé, B. Hambach, P. G. Mortyn, S. Rossi, G. Rueda, P. Ziveri, and G. Budeus
TÍTULO: *Biological response to environmental variability in the Fram Strait (Arctic Ocean)*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: International Polar Year (IPY) Science Conference
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: Oslo, Norway
AÑO: 2010

AUTORES: Marino, G., R. Zahn, P. Ziveri, J.-H. Kim, I. Hall, G. Martínez-Méndez, L. Rodríguez-Sanz, and P.G. Mortyn
TÍTULO: *Millennial-scale variability of the greater Agulhas Current System during the penultimate glacial cycle*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: International Conference on Paleoceanography nº 10
PUBLICACIÓN: ICP-10 Proceedings Volume
LUGAR DE CELEBRACIÓN: San Diego, USA
AÑO: 2010

AUTORES: Rodríguez Sanz, L., and P.G. Mortyn
TÍTULO: *Water column thermal gradients in the Southern Ocean (ODP Site 1090)*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: International Conference on Paleoceanography nº 10
PUBLICACIÓN: ICP-10 Proceedings Volume
LUGAR DE CELEBRACIÓN: San Diego, USA
AÑO: 2010

AUTORES: Kontakiotis, G., **P.G. Mortyn**, A. Antonarakou, M.À. Martínez-Botí, and M.V. Triantaphyllou
TÍTULO: *Validating a confounding salinity influence on G. ruber Mg/Ca thermometry from subtropical settings, A case study from the Aegean Sea (Eastern Mediterranean)*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: International Conference on Paleoceanography nº 10
PUBLICACIÓN: ICP-10 Proceedings Volume
LUGAR DE CELEBRACIÓN: San Diego, USA
AÑO: 2010

AUTORES: **Mortyn, P.G.**, J.C. Herguera, and M.À. Martínez Botí
TÍTULO: *Links between NE Pacific summer SST, NH air temperatures, and equatorial ocean dynamics: a case study from San Lázaro Basin for the last millennium*
TIPO DE PARTICIPACIÓN: poster
CONGRESO: International Conference on Paleoceanography nº 10
PUBLICACIÓN: ICP-10 Proceedings Volume
LUGAR DE CELEBRACIÓN: San Diego, USA
AÑO: 2010

AUTORES: Marino, G., R. Zahn, P. Ziveri, J.-H. Kim, I. Hall, L. Rodríguez-Sanz, and **P.G. Mortyn**
TÍTULO: *Potential impacts of the Agulhas Leakage on the Atlantic Meridional Overturning Circulation during glacial, deglacial, and interglacial times*

TIPO DE PARTICIPACIÓN: oral
CONGRESO: European Geophysical Union (EGU)
PUBLICACIÓN: Geophysical Research Abstracts Vol. 13, EGU2011-9123
LUGAR DE CELEBRACIÓN: Viena, Austria
AÑO: 2011

AUTORES: Rodríguez Sanz, L., **P.G. Mortyn**, and J.C. Herguera
TÍTULO: *The role of the NE Pacific Ocean in linking to North Atlantic atmospheric records during Termination I and into the early Holocene*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: Past 4 Future General Assembly
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: Copenhagen, Denmark
AÑO: 2011

AUTORES: Herguera, J.C., **P.G. Mortyn**, and M.À. Martínez Botí
TÍTULO: *Links between the southern California Current variability and the northern hemisphere temperatures: the last millennium*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: Pacific Climate (PACLIM) 2011 Conference
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: Asilomar, CA, USA
AÑO: 2011

AUTORES: Rodríguez Sanz, L., **P.G. Mortyn**, and J.C. Herguera
TÍTULO: *Evidence of ocean-atmosphere teleconnection between the North-East Pacific and North Atlantic basins across Termination I*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: European Geophysical Union (EGU)
PUBLICACIÓN: Geophysical Research Abstracts Vol. 14, EGU2012-776
LUGAR DE CELEBRACIÓN: Viena, Austria
AÑO: 2012

AUTORES: Rodríguez Sanz, L., **P.G. Mortyn**, and J.C. Herguera
TÍTULO: *High temporal resolution morphotype-specific records of Mg/Ca and $\delta^{18}\text{O}$ obtained for Globigerinoides ruber in the North-East Pacific across Termination I and the early Holocene*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: Past 4 Future General Assembly
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: Copenhagen, Denmark
AÑO: 2012

AUTORES: Evans, M.N., **P.G. Mortyn**, and others in the Ocean 2k Working Group
TÍTULO: *Synthesis of marine sediment-derived SST records for the past 2 millennia: first-order results from the PAGES/Ocean2k project*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: American Geophysical Union (AGU) Fall Meeting
PUBLICACIÓN: American Geophysical Union (AGU), Fall Meeting Abstracts and Proceedings Volume, PP11F-07
LUGAR DE CELEBRACIÓN: San Francisco, CA, USA
AÑO: 2012

AUTORES: Leduc, G., **P.G. Mortyn**, and others in the Ocean 2k Working Group
TITULO: *A 2000-year synthesis of marine-derived SST records: Results from the Ocean2k project*
TIPO DE PARTICIPACIÓN: oral
CONGRESO: Past Global Changes (PAGES) Open Science Meeting (OSM)
PUBLICACIÓN: Proceedings Volume
LUGAR DE CELEBRACIÓN: Goa, India
AÑO: 2013

TESIS DOCTORALES DIRIGIDAS
(referidas a los últimos 10 años)

TITULO: *Validation and application of planktonic foraminiferal-based geochemical proxies for climate reconstructions: ϵ_{Nd} water mass tracer and Mg/Ca paleothermometer*
DOCTORANDO: Miquel Àngel Martínez Botí
UNIVERSIDAD: Universitat Autònoma de Barcelona
FACULTAD/ESCUELA: Institute of Environmental Science and Technology (ICTA)
AÑO: 2009 **CALIFICACION:** excellent cum laude

TITULO: *Multi-species planktonic foraminiferal Mg/Ca and $\delta^{18}O$ as recorders of surface ocean paleoclimatic processes: 2 case studies from diverse oceanographic regions and timescales*
DOCTORANDO: Laura Rodríguez-Sanz
UNIVERSIDAD: Universitat Autònoma de Barcelona
FACULTAD/ESCUELA: Institute of Environmental Science and Technology (ICTA)
AÑO: 2012 **CALIFICACION:** excellent

TITULO: *Paleoceanographic and paleoclimatic study of the eastern Mediterranean during the Late Quaternary, based on planktonic foraminiferal assemblages*
DOCTORANDO: Giorgos Kontakiotis
UNIVERSIDAD: University of Athens, Greece
FACULTAD/ESCUELA: Department of Historical Geology and Paleontology
AÑO: 2012 **CALIFICACION:** N/A

GRANDES EQUIPOS QUE UTILIZA O HA UTILIZADO

CLAVE : R= responsable, UA = usuario asiduo, UO = usuario ocasional

EQUIPO	FECHA	CLAVE
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Espectrómetro de masas para el análisis de isótopos estables	1993-1996	UA
	1996-2000	R
	2000-2004	UO
	2011-present	UA
Espectrómetro de emisión atómica	2000-2001; 2005-present	UA

OTROS MÉRITOS O ACLARACIONES QUE SE DESEE HACER CONSTAR

PRESENTACIONES INVITADAS

Paleoproductivity in the California Current system over the last glacial-interglacial cycle.
Department of Paleoecology and Paleoclimatology, Vrije Universiteit Amsterdam, April, 1997.

Deep sea sedimentary analogs for the Vostok ice core (Antarctica): orbital and suborbital variability. Department of Paleoecology and Paleoclimatology, Vrije Universiteit Amsterdam, May, 2000.

Sea surface temperature (SST) tracers in the study of climatology: calibration in the modern and application in the past.
Department of Earth and Environmental Sciences, California State University, Fresno, CA, USA
Abril 23, 2001.

Paleoclimatic applications from planktonic foraminiferal geochemistry
Department of Geosciences, University of Milan-Bicocca, Italia, Junio, 2001.

Global warming: suggestion, uncertainty, caution.
Sanger Rotary Club, Sanger, CA, USA, Noviembre 9, 2001.

Climate change and the global warming debate: what is all the fuss about?
Fresno Metropolitan Museum, Fresno, CA, USA, Febrero 20, 2002.

Planktonic foraminiferal geochemistry, contributions to a specialized short course in Marine Geology and Paleoceanography.
Department of Natural Sciences, University of Pisa, Italia, Junio, 2002.

Planktonic foraminiferal geochemistry, contributions to a specialized short course in Applied Geochemistry.
Department of Geosciences, University of Milan-Bicocca, Italia, Junio, 2002.

Planktonic foraminiferal geochemistry, contributions to a specialized short course in Applied Geochemistry.
Department of Geosciences, University of Milan-Bicocca, Italia, Junio, 2003.

New evidence for global warming?
Sunrise Rotary Club, Fresno, CA, USA 4 Decembre, 2003.

Water-truthing of planktonic foraminiferal trace element tracers of sea surface temperature (SST)
MEC/SEUI/DGU – Convocatoria de becas de PNFP. Currículum vitae del director o codirector

Department of Earth and Environmental Sciences, California State University Fresno, Fresno, CA, USA, 3 Marzo 2004.

Is the Earth warming? New evidence and fuel for the global warming debate
California State University Fresno, Fresno, CA, USA, 27 Marzo 2004.

Water-truthing of trace element tracers of sea surface temperature (SST)
Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, 6 Octubre 2004.

*Laminated Marine Sediments, part of **Proxies in Paleoclimatology: Education and Research (PROPER)** short course*
Universitat Autònoma de Barcelona, Spain, 10 Noviembre, 2004.

Ocean-Atmosphere interactions and the El Niño / Southern Oscillation (ENSO) climatic phenomenon, 2 invited lectures as part of Physical Geography course
Universitat Autònoma de Barcelona, Spain, 11-13 Enero, 2005.

Causes and consequences of the El Niño / Southern Oscillation (ENSO) climate phenomenon
Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, 2 Febrero, 2005.

El Niño / Southern Oscillation (ENSO)
seminar for the Ph.D. students of the Institute of Environmental Science and Technology, Universitat Autònoma de Barcelona, Spain, 16 Febrero, 2005.

El Niño / Southern Oscillation and implications for paleoceanography
Universitat de Barcelona, Spain, 13 Mayo, 2005.

Mg/Ca in planktonic foraminifera: a view from the modern water column, with Miquel Àngel Martínez-Botí, Mediterranean Ecosystem Response to Fertilization (MERF) project workshop, Universitat Autònoma de Barcelona, Spain, February 10, 2006.

The GEPOC research group and relations to the GEOTRACES research platform, Spanish GEOTRACES Workshop, Faculty of Science, Universitat Autònoma de Barcelona, Spain, January 22, 2007.

Hurricanes and Atlantic warming of recent decades: is this connection “una verdad incomoda”?, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March 5, 2007.

Hurricanes and recent Atlantic warming: Is this connection an “Inconvenient Truth”?, Department of Earth Science, University of Florence, Italy, March 30, 2007.

The El Niño / Southern Oscillation (ENSO) Climatic Phenomenon: assessing the anthropogenic impact with paleoceanographic proxies, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, December 10, 2007.

Calibration and validation of geochemical proxies for SST: toward improved reconstruction of upper ocean parameters, Spanish Ministry of Science and Innovation, Palma de Mallorca, Spain, March 18, 2009.

1100-year high resolution record of southern California Current summer SST records multi-centennial and decadal variability, and 20th century cooling, Interdisciplinary Planning Workshop on Hydrographic and Sediment-trap Monitoring of Anoxic Soledad Basin, Ensenada, México, August 18, 2009.

A 1200-year long record of summer SST in the NE Pacific: where is the "blade of the hockey stick"?, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, November 26, 2009.

The ocean's role in climate change: temperature and more from metal proxies in carbonates, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, October 22, 2010.

Instrumental validation of a summer SST proxy for the NE Pacific: paleo-applications and global teleconnections, Catalan Institute for Climate Sciences (IC3), Barcelona, Spain, September 20, 2011.

NE Pacific surface thermal properties as teleconnective predictors of climate impacts in other ocean regions: proxy validation and paleo-application toward improved forecasting, Generalitat de Catalunya, Barcelona, Spain, September 23, 2011.

Marine Paleoclimatology Research Group, invited symposium in collaboration with the University of Nebraska, School of Natural Resources, Universitat Autònoma de Barcelona, Spain, October 13, 2011.

Synthesis of marine sediment-derived sea surface temperature records for the past 2 millennia: first-order results from the PAGES / Ocean 2k Project, M.N. Evans presenting on behalf of the Ocean 2k Working Group, Johns Hopkins University, Baltimore, Maryland, USA, September 20, 2012.

Marine climate and environmental change, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, October 26, 2012.

OTHER TEACHING EXPERIENCE

Climate change lecture series (13 total), including principles, proxies, ENSO, and extreme events, as part of Climatology course, Department of Geography, Universitat Autònoma de Barcelona, Spain, November-January, 2005/2006.

Modern Oceans and Climate, doctoral course (30 hours) at the Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, November-December 2005.

Global change lecture series (8 hours), including principles, archives and proxies, ENSO, hurricanes and Atlantic warming of recent decades, as part of new MS module in Environmental Science, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, October-November, 2006.

Climate change lecture series (14 hours), including principles, hurricanes and other extreme events, ENSO, oceanography and ocean circulation, and proxies, as part of Climatology course, Department of Geography, Universitat Autònoma de Barcelona, Spain, November-January, 2006/2007.

Past, present, and future global change lecture series (8 hours) on theme of Modern Ocean and Climate, including water and seawater, air-sea interaction, ocean circulation, and marine biological productivity, as part of MS module in Environmental Science, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, April-May, 2007.

Scientific Communication short course (10 hours), co-taught with R. Zahn as part of MS module in Environmental Science, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, September-October, 2007.

Climatology course (50 hours) for undergraduate students in the Department of Geography, Universitat Autònoma de Barcelona, Spain, October-February, 2007/2008. Full responsibility for theoretical aspects of course. Topics include the atmosphere; other climate system components; solar radiation and temperature; humidity, clouds, and precipitation; atmospheric pressure and winds, general atmospheric circulation; regional study of climate, climatic classifications; and climate change.

Scientific Communication short course (10 hours), co-taught with R. Zahn as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, February-March, 2008.

Past, present, and future global change lecture series (8 hours) on theme of Modern Ocean and Climate, including water and seawater, air-sea interaction, ocean circulation, and marine biological productivity, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, April-May, 2008.

Global change lecture series (8 hours), including principles, archives and proxies, ENSO, hurricanes and Atlantic warming of recent decades, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, May-June, 2008.

Scientific Communication short course (10 hours), co-taught with R. Zahn as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, October, 2008.

Climatology course (50 hours) for undergraduate students in the Department of Geography, Universitat Autònoma de Barcelona, Spain, October-February, 2008/2009. Full responsibility for theoretical aspects of course. Topics include the atmosphere; other climate system components; solar radiation and temperature; humidity, clouds, and precipitation; atmospheric pressure and winds, general atmospheric circulation; regional study of climate, climatic classifications; and climate change.

Scientific Communication short course (10 hours), co-taught with R. Zahn as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, February, 2009.

Past, present, and future global change lecture series (8 hours) on themes of carbon emissions, transportation and future schemes, and geoengineering mechanisms aimed at carbon sequestration, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March, 2009.

Climate change lecture series (8 hours), including archives and proxies, ENSO, hurricanes and Atlantic warming of recent decades, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March, 2009.

Climatology course (100 hours) for undergraduate students in the Department of Geography, Universitat Autònoma de Barcelona, Spain, September-February, 2009/2010. Full responsibility for both theoretical and practical aspects of course. Topics include the atmosphere; other climate system components; solar radiation and temperature; humidity, clouds, and precipitation; atmospheric pressure and winds, general atmospheric circulation; regional study of climate, climatic classifications; and climate change.

Scientific Communication short course (10 hours), as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, October, 2009.

Scientific Communication short course (10 hours), taught as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March, 2010.

Past, present, and future global change lecture series (8 hours) on themes of carbon emissions, transportation and future schemes, and geoengineering mechanisms aimed at carbon sequestration, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March-April, 2010.

Climate change lecture series (10 hours), including archives and proxies, global biogeochemical cycles and climate, ENSO, and hurricanes and Atlantic warming of recent decades, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March-April, 2010.

Climatology course (100 hours) for undergraduate students in the Department of Geography, Universitat Autònoma de Barcelona, Spain, September-February, 2010/2011. Full responsibility for both theoretical and practical aspects of course. Topics include the atmosphere; other climate system components; solar radiation and temperature; humidity, clouds, and precipitation; atmospheric pressure and winds, general atmospheric circulation; regional study of climate, climatic classifications; and climate change.

Scientific Communication short course (10 hours), taught as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, October, 2010.

Past, present, and future global change lecture series (8 hours) on themes of carbon emissions, transportation and future schemes, and geoengineering mechanisms aimed at carbon sequestration, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March-May, 2011.

Climate change lecture series (12 hours), including archives and proxies, global biogeochemical cycles and climate, ENSO, and hurricanes and Atlantic warming of recent decades, NE Pacific last millennium climate case study, and climate mitigation via geoengineering, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March-May, 2011.

Scientific Communication short course (10 hours), taught as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March, 2011.

Climatology course (100 hours) for undergraduate students in the Department of Geography, Universitat Autònoma de Barcelona, Spain, September-February, 2011/2012. Full responsibility for both theoretical and practical aspects of course. Topics include the atmosphere; other climate system components; solar radiation and temperature; humidity, clouds, and precipitation; atmospheric pressure and winds, general atmospheric circulation; regional study of climate, climatic classifications; and climate change.

Scientific Communication short course (10 hours), taught as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, October, 2011.

Past, present, and future global change lecture series (8 hours) on themes of carbon emissions, transportation and future schemes, and geoengineering mechanisms aimed at carbon sequestration, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March-May, 2012.

Climate change lecture series (12 hours), including archives and proxies, global biogeochemical cycles and climate, ENSO, and hurricanes and Atlantic warming of recent decades, NE Pacific last millennium climate case study, and climate mitigation via geoengineering, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, March-May, 2012.

Climatology course (100 hours) for undergraduate students in the Department of Geography, Universitat Autònoma de Barcelona, Spain, September-February, 2012/2013. Full responsibility for both theoretical and practical aspects of course. Topics include the atmosphere; other climate system components; solar radiation and temperature; humidity, clouds, and precipitation; atmospheric pressure and winds, general atmospheric circulation; regional study of climate, climatic classifications; and climate change.

Scientific Communication short course (10 hours), taught as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, October, 2012.

Past, present, and future global and climate change lecture series (10 hours), also serving as course coordinator, including module introduction, archives and proxies, carbon emissions, transportation and future schemes, ENSO, and climate mitigation via geoengineering, as part of MS module in Environmental Science and Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, November 2012-January, 2013.

ACADEMIC LEADERSHIP

Coordinator of M.S. in Environmental Studies, module on Past, Present, and Future Global Change, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, 2006-2012.

Coordinator of MS module on Past, Present, and Future Global Change, Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, 2007-2012.

Coordinator of MS module on Past, Present, and Future Global and Climate Change, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, 2012-present.

Coordinator of MS module on Past, Present, and Future Global and Climate Change, Joint European Masters in Environmental Science (JEMES) under the auspices of Erasmus Mundus (European Union), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Spain, 2012-present.

CRUCEROS OCEANOGRÁFICOS CIENTÍFICOS

Enero 1993. Sediment trap deployment and CTD profiling, Santa Barbara Basin, California, *R/V Seawatch*, University of Southern California Marine Support Facility.

Febrero 1995. Sediment trap recovery and deployment, CTD profiling, and box core sediment collection, Santa Barbara Basin, California, *R/V Seawatch*, University of Southern California Marine Support Facility.

Junio-Julio 1995. Seabeam 2000 bathymetric survey, magnetometer data collection, XBT profiling, subtropical eastern Pacific Ocean, offshore Mexico, *R/V Melville* Westward Leg 14, Scripps Institution of Oceanography.

Septiembre 1995. Optical particle counter deployments, multiple opening and closing net environmental sensing system (MOCNESS) deployments, CTD profiling, Santa Barbara Basin and Southern California Borderlands, *R/V Sproul*, Scripps Institution of Oceanography.

Noviembre 1995. Multicorer (soft-bottom sampler) deployment and recovery, CTD/rosette water sampler deployment and recovery, ring net deployment and recovery of plankton, benthic net trawl deployment and recovery, use of precision depth recorder and portable salinometer instrumentation, offshore San Diego, *R/V New Horizon*, Scripps Institution of Oceanography.

Enero-Marzo 1996. Piston coring, gravity coring, multi-coring, single channel seismic (SCS) surveying, MOCNESS towing, South Atlantic Ocean, *R/V Thomas Thompson*, University of Washington.

Agosto 1996. Multi-coring and water sampling, sediment sample processing for preserving and culturing live benthic foraminifera, California Cooperative Oceanic Fisheries Investigations (CalCOFI) cruise offshore of southern California, *R/V New Horizon*, Scripps Institution of Oceanography.

Febrero-Marzo 2001. Multi-net sampling, plankton pump sampling, box core sampling, CTD/rosette water sampling, sediment-trap recovery, shipboard filtrations for analyses of chlorophyll-a, $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of particulate organic matter, and coccolith carbonate assemblage and geochemistry work, Mixing of the Agulhas Rings Experiment (MARE-4), SE Atlantic Ocean, *R/V Pelagia*, Países Bajos, Institute for Sea Research (NIOZ).

MENCIONES Y PREMIOS

Septiembre 1995. Premio estudiantil de \$1000 otorgado por la Whole Earth Society (WES) de la Scripps Institution of Oceanography para realizar calibraciones de isótopos estables entre microfósiles y agua marina.

Abril 1999. Premio otorgado por la US National Science Foundation International Research Fellowship Abroad Program (NSF-IRFAP) para realizar investigación postdoctoral en el análisis de $\delta^{18}\text{O}$ en foraminíferos planctónicos modernos y termometría basada en la relación Mg/Ca con los Drs. Gerald Ganssen y Harry Elderfield en la Vrije Universiteit (Ámsterdam, Países Bajos) y la University of Cambridge (UK) respectivamente.

Noviembre 2001. Premio de \$12.000 otorgado por la California State University, Fresno, College of Science and Mathematics para la instalación de un laboratorio de geoquímica marina.

Noviembre 2001. Premio de \$5.118 otorgado por la California State University, Fresno, College of Science and Mathematics para el desarrollo y perfeccionamiento de la página web de la institución.

Marzo 2002. Fondos de \$100.000 otorgados por la California State University, Fresno, College of Science and Mathematics para la compra de un espectrómetro de masa de isótopos estables, como parte del desarrollo de un nuevo laboratorio medioambiental multidisciplinario, especializado en isótopos estables.

Mayo 2002. Premio a la Actividad Creativa otorgado por la California State University, Fresno, College of Science and Mathematics consistente en \$8, 500.

Julio 2002. Provost Award/Legislative Award de \$5.000 otorgado por la California State University, Fresno, College of Science and Mathematics.

Noviembre 2002. New Program Award de \$4.707 otorgado por la California State University, Fresno, College of Science and Mathematics.

Noviembre 2002. Performance Award de \$1.200 otorgado por la California State University, Fresno, College of Science and Mathematics.

Noviembre 2002. Faculty Research Equipment Award de \$3.226 otorgado por la California State University, Fresno, College of Science and Mathematics.

Abril 2003. Minigrant Award de \$2.000 otorgado por la California State University, Fresno, College of Science and Mathematics.

Mayo 2003. Collage Scholarly and Creative Activity Award de \$4.250 otorgado por la California State University, Fresno, College of Science and Mathematics.

Mayo 2003. Title V Course Development Award de \$7.000 otorgado por la California State University, Fresno, Digital Campus.

Junio 2003. Provost Award for CSU Research, Scholarship, and Creative Activity de \$5.000 otorgado por la California State University, Fresno.

Noviembre 2003. Performance Award de \$1.200 otorgado por la California State University, Fresno, College of Science and Mathematics.

Noviembre 2003. Seminar/Lectura Series/Special Instructional Program Award de \$3.000 otorgado por la California State University, Fresno, College of Science and Mathematics.

Junio 2005. Universitat Autònoma de Barcelona (UAB) Research Commission, New Lines of Research Program, €6,000.

Septiembre 2004. Spanish Ministry of Science and Technology, Ramon y Cajal Research Fellowship, €164,356,00.

Diciembre 2005. Generalitat de Catalunya (Spain), PEIR 2005 Research Equipment Acquisition, €50,583.05.

Mayo 2006. Spanish Ministry of Science and Education, Complementary Action Award, €7,000.

Julio 2006. Spanish Ministry of Science and Education, Young Investigator Award for project entitled Calibration and Validation of Geochemical PROXies for SST: Toward Improved Paleoclimatic Reconstructions of Upper Ocean Parameters (CAVAPROX), €98,000.

Marzo 2008. Spanish Ministry of Science and Education, Complementary Action Award for International Collaboration, **Enhancing SST Reconstruction Accuracy and Resolution with Planktonic Foraminiferal Mg/Ca Collaborations in Australia and Mexico (ERACAM)**, €13,590.

STUDENT SUPERVISION (home institution, direct supervisor to those in bold)

Kerry Ford, 2002-2004, M.S. in Geology, CSU Fresno, Paleontological studies of the western San Joaquin Valley

Clay Bishop, 2002-2004, M.A. in Geography, CSU Fresno, Geochemical tracers of climate processes

Saïoa Elordui-Zapatarietxe, M.S. thesis committee secretary, November 2005, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Solubility of light polyaromatic hydrocarbons (PAHs) in different temperature and salinity conditions: The *Prestige* oil spill

Natalia Núñez Gimeno, M.S. thesis committee secretary, November 2005, Institute of Environmental Science and Technology (ICTA), Climate Change Option, Universitat Autònoma de Barcelona, Export productivity during the Last Glacial Maximum

César Negre de Bofarull, M.S. thesis committee secretary, September 2006, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, ($^{231}\text{Pa}_{\text{xs}}$, $^{230}\text{Th}_{\text{xs}}$, 0) as NADW tracer off South Africa: experimental setup and perspectives

Alfredo Martínez Garcia, M.S. thesis committee secretary, September 2006, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, The Southern Ocean during the Middle Pleistocene Transition

Marina Escala Pascual, M.S. thesis committee president, September 2006, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, An optimized HPLC/MS method to measure TEX_{86}

Elisabet Verdeny Colominas, M.S. thesis committee secretary, October 2006, Department of Physics, Universitat Autònoma de Barcelona, POC export from ocean surface waters by means of $^{234}\text{Th}/^{238}\text{U}$ and $^{210}\text{Po}/^{210}\text{Pb}$ disequilibria: a comparison of two radiotracer pairs

Miquel Àngel Martínez Botí, M.S. thesis research supervisor, November 2006, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Testing the fidelity of foraminiferal Mg/Ca and Cd/Ca ratios as temperature and nutrient proxies: discrete-depth plankton tow results from the California Current

Leopoldo Pena, Ph.D. tribunal substitute, June 2008, Departament d'Estratigrafia, Paleontologia i Geociències Marines, Universitat de Barcelona, Oceanographic evolution and interlatitudinal teleconnection processes in the equatorial Pacific associated with the climatic changes of the last 275,000 years

Laura Rodríguez Sanz, M.S. thesis research supervisor, September 2007 – September 2008, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, SST reconstruction in the Atlantic sector of the Southern Ocean (ODP Site 1090) from Mg/Ca ratios in planktonic foraminifera: A multiproxy comparison to U^{k}_{37} and MAT

Alba Tello Ramia, M.S. thesis research supervisor (with Dr. Isabel Cacho), November 2007 – September 2008, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Sea surface temperature changes in the California Current since the last glacial maximum

Albert Fernández Chacon, M.S. thesis tribunal member, September 2008, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Estudi histològic i parasitològic preliminar de *Trachyrhynchus scabrus* (Rafinesque 1810); identificació de possibles biomarcadors de contaminació

Anna Florensa Botines, M.S. thesis tribunal member, September 2008, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Aplicació de la directiva marc de l'aigua a les rieres del campus de Bellaterra de la Universitat Autònoma de Barcelona

Maria Heras Lopez, M.S. thesis tribunal member, September 2008, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Análisis del significado de soberanía alimentaria en Cataluña: Aproximación al conflicto agroalimentario desde los movimientos sociales

Mireia Jimenez Rossell, M.S. thesis tribunal member, September 2008, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Avaluació de la qualitat de la participació: La implementació de la DMA a la conca de la Tordera

Josep Maria de la Trinxeria Gómez, M.S. thesis tribunal member, September 2008, Facultat de Ciències, Universitat Autònoma de Barcelona, Augment de la resolució en la reconstrucció de les temperatures de l'aigua i de l'aire del Llac Baikal (Sibèria) dels últims 60, 000 anys

Gema Martínez Mendez, Ph.D. tribunal substitute, September 2008, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Surface and deep circulation off South Africa: Agulhas leakage influence on the meridional overturning circulation

Laura Rodríguez Sanz, Ph.D. thesis research supervisor, November 2008 – present, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Surface ocean thermal gradients in the Atlantic sector of the Southern Ocean (ODP Site 1090) from Mg/Ca ratios in multiple species of planktonic foraminifera

Miquel Àngel Martínez Botí, Ph.D. thesis research supervisor, November 2006 – present (completed July 17, 2009), Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Validation and application of planktonic foraminiferal-based geochemical proxies for climate reconstructions: ϵNd water mass tracer and Mg/Ca paleothermometer

Alfredo Martínez Garcia, Ph.D. tribunal President, June 2009, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Orbital-scale variability of sea surface temperature, dust, iron deposition, and marine export production in the Subantarctic Atlantic over the last 3, 650, 000 years

César Negre de Bofarull, Ph.D. tribunal substitute, October 2009, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Atlantic meridional overturning circulation during the last Glacial and the Holocene: inferences from radiogenic isotope ratios in deep sea sediments from the South African continental margin and the Southern Ocean

Mohammad Rashedul Hoque, M.S. thesis tribunal member, February 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Energy intensity of Catalan construction sector: an application of material flow analysis and energy flow accounting of construction materials

Albert Marsiñach Sangrà, M.S. thesis tribunal member, February 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Anàlisi de la relació riu-aqüífer al curs mitjà del riu Tordera

Elena Masferrer Dodas, M.S. thesis tribunal member, February 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Does consumption of market goods relate to well-being? An empirical test in the Bolivian Amazon

Alfredo Matiz Pizarro, M.S. thesis tribunal member, February 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Neutral lipids and GDGTs in a highly productive upwelling system: identification of terrestrial and aquatic biomarkers in the Humboldt Current

Christèle Riquelme, M.S. thesis tribunal member, February 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, Energetic balance of biodiesel production in the European Union with rapeseed importation

- Sara Angrill Toleda, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Avaluació ambiental d'infraestructures d'aprofitament d'aigües pluvials en entorns urbans mediterranis d'alta i baixa densitat*
- Marina Badia Fabregat, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Degradation of the UV filters benzophenone-3 and 3-(4-methylbenzylidene) camphor by the white-rot fungi trametes versicolor*
- Anna Barrera Sansón, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *A high-resolution 2 million year record of productivity and sea surface temperatures from the SE Atlantic*
- Merce Font Brucart, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Anàlisi comparativa del cicle de vida de dues tecnologies de tractament del colorant tèxtil Gris Lanaset G: biodegradació amb trametes versicolor i adsorció amb carbó actiu granular*
- Nuria Montpart Planell, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Redesign of a dissolved oxygen control system in an urban WWTP*
- Marta Pujadas Garriga, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *La creació d'un passiu ambiental a Catalunya: història de la planta química al riu Ebre a Flix, 1897-2009*
- Eva Seviné Itoiz, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Water and energy consumption of populus spp. bioenergy systems: a case study in southern Europe*
- Alba Vidal Preixats, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona *Què protegim i per què. Anàlisi i percepció dels serveis ambientals de la Reserva de la Biosfera del Montseny*
- Oswaldo Viteri Salazar, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Evaluación de la sostenibilidad de los cultivos de café y cacao en las provincias de Orellana y Sucumbíos, Ecuador*
- Anna Zinenko, M.S. thesis tribunal member, July 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Value added of ISO 26000 when integrating United Nations Global Compact principles and once reporting on Global Reporting Initiative*
- Roberto Buonomo, M.S. thesis tribunal member, September 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Combining tools to monitor sessile hard-bottom suspension feeders: the red coral (*Corallium rubrum*) case study*
- Marta Termes Lopez, M.S. thesis tribunal member, September 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Biocombustibles de segona generació a Catalunya: estudi de l'aportació energètica potencial dels subproductes agrícoles, forestals i de la indústria alimentària*
- Margarita Marcela Nieto Restrepo, M.S. thesis tribunal member, September 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *A secondary forest or abandoned land? Languages of valuation, economic modernization and biodiversity conservation in Latin America. A review from a political ecology perspective and a case study in the high central Andes of Colombia*
- Marien González Hidalgo, M.S. thesis tribunal member, September 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Looking beyond the smoke: the political ecology of the wild fire in (H)Orta de Sant Joan (Terra Alta), Catalonia*
- Alexandra Meyer, M.S. thesis tribunal member, September 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Organizational and technological diversity in the renewable energy sector*
- Gerard Castella Vergoños, M.S. thesis tribunal member, September 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Gentrificación rural y discursos de sostenibilidad en el Baix Empordà: un análisis con la metodología Q*
- Sandra Fatoric, M.S. thesis tribunal member, September 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Vulnerability to the effects of climate change and adaptation: the case of Ebro Delta*
- Eva Carrera Armenta, M.S. thesis tribunal member, September 2010, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, *Els aspectes ecohidrològics, agroecològics i socioeconòmics de la transformació del secà en regadiu: una anàlisi integrada de l'olivera a la comarca de Les Garrigues*

Kelsi Buts, undergraduate B.S. exchange student from the University of California at Santa Barbara, December 2011-June 2012, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, **Characterizing the carbonate contribution of sediment size classes from ODP Site 1089 over the last glacial termination (TI): the role of the Southern Ocean in C cycling and dynamics**

Mariana Tatsumi Horigome, M.S. thesis co-supervisor along with **Patrizia Ziveri**, January-September 2012, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, **Joint European Masters in Environmental Science (JEMES), Carbonate dynamics in the Southern Ocean during the last deglaciation**

Johannes Langemeyer, M.S. thesis tribunal member, September 2012, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, **Joint European Masters in Environmental Sciences (JEMES), Measuring economic non-economic values of urban ecosystem services**

Simon Colman, M.S. thesis tribunal member, September 2012, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona, **Joint European Masters in Environmental Sciences (JEMES), CO₂ and the city**

Jaime Frigola, Ph.D. tribunal member, November 2012, Departament d'Estratigrafia, Paleontologia i Geociències Marines, Universitat de Barcelona, **Variabilidad climática rápida en la cuenca occidental del Mediterráneo: registro sedimentológico**

STUDENT SUPERVISION (other institutions)

Giorgos Kontakiotis, Ph.D. thesis co-supervisor (with Dr. Assimina Antonarakou), August 2006 to November 2012, Department of Historical Geology and Paleontology, University of Athens, Greece, **Paleoceanographic and paleoclimatic study of the eastern Mediterranean during the Late Quaternary, based on planktonic foraminiferal assemblages.**

SERVICIO A LA CIENCIA Y COMUNIDAD

Árbitro de las propuestas de investigación enviadas al United Kingdom National Environmental Research Council (NERC), American Chemical Society (ACS) Petroleum Research Fund, US National Science Foundation (NSF) (2 times), European Community, Dutch ALW Programma Klimaatvariabiliteit, Dutch National Science Foundation (NWO), European Science Foundation (ESF), and Spanish Ministry for Science and Innovation.

Revisor de artículos de investigación enviados a *Nature* (2 times), *Science*, *Geochimica et Cosmochimica Acta*, *Paleoceanography* (9 times), *Marine Geology*, *Global and Planetary Change* (2 times), *Deep-Sea Research*, *Marine Micropaleontology* (4 times), *Earth and Planetary Science Letters* (3 times), *Quaternary Science Reviews*, *Climate of the Past* (2 times), *Journal of Geophysical Research*, *Contributions to Science*, *Biogeosciences Discussions*, *Palaeogeography, Palaeoclimatology, Palaeoecology*, Springer-Verlag Publishers, Prentice Hall Publishers, McGraw-Hill Higher Education Publishers, Jones and Bartlett Publishers, and Pearson Science Publishers (**textbook reviews and teaching unit reviews**).

Scientific organizer for the 11th International Conference on Paleoceanography (ICP-11) to be held in Barcelona/Sitges, Spain, September, 2013

PROFESSIONAL REGISTRATION AND AFFILIATIONS

American Geophysical Union

European Geophysical Union

Geological Society of America Partners for Education Program

Dissertations Initiative for the Advancement of Limnology and Oceanography (DIALOG)

The Oceanography Society
Past Global Changes (PAGES)
Union of Concerned Scientists (UCS)

STUDENT COMMITTEE MEMBERSHIPS

Oceanographic Collections Committee Student Representative, Scripps Institution of Oceanography, 1995-2000

Student Computer Lab Committee Representative, Scripps Institution of Oceanography, 1995-1996

Geological Sciences Curricular Group Seminar Coordinator, Scripps Institution of Oceanography, 1995-1996

SIO Safety Committee Student Representative, Scripps Institution of Oceanography, 1997-2000

SIO Faculty Advisement and Teaching Evaluation Committee Member, Scripps Institution of Oceanography, 1997-2000

FACULTY COMMITTEE MEMBERSHIPS

Governor's Board, Moss Landing Marine Laboratories, California State University, 2001-2004

Academic Senator, California State University, Fresno Academic Senate, 2002-2003

Computer Technician Oversight Committee, College of Science and Mathematics, CSU Fresno, 2002-2004

Air Quality Resources Group, California State University, Fresno, 2003-2004

Research Committee, College of Science and Mathematics, CSU Fresno, 2004

Member of AGU Public Relations Committee for Climate Science Question and Answer (Q&A) Service, October 2010 onward.

Member of UAB Environmental Services Consolidation Committee, February 2011 onward.

PUBLIC SERVICE / OUTREACH ACTIVITIES

Big Brother/Big Sister Program Volunteer, 1989, Urban League of Portland, Oregon

Scripps Committee for Humanity and Public Service (Scripps CHiPS) Program Volunteer, 1995-2000

Science Judge for the National Ocean Sciences Bowl (NOSB) high school science competition, 1999, Scripps Institution of Oceanography

Science Judge for the Fresno Science Fair, April 2002

Science Judge for the Fresno Science Fair, March 2004

Special scientific guest for ESPN 1430 newstalk radio program on Global Warming, May 6, 2004

DVD production of “20 Thousand Years: The history of the Earth’s last great natural climate change”, Spring 2009

Presentation on Ocean Life and Marine Pollution to Primary 2 students, Europa International School, November 17, 2009.

AGU Ocean Scientist Media Outreach Participant for the UN Climate Change Conference (Copenhagen, Denmark), December 8, 2009.

Europa International School (EIS), founding member of the Green Commission, October 2010.

Member of AGU Public Relations Committee for Climate Science Question and Answer (Q&A) Service, October 2010 onward.

Europa International School (EIS), founding member of Friends of Europa Commission to track career trajectories of EIS graduates, February 2011 onward.

Presentation on Life as an Oceanographer, Academic, and Scientist to Post-Baccalaureate students, Europa International School, November 8, 2011.

Recommended for AGU Scientist Referral Database, December 2011 onward.

Presentation on Life as an Oceanographer, Academic, and Scientist to Post-Baccalaureate students, Europa International School, October 23, 2012.

Presentation on the Oceans and How it Governs all Aspects of Weather and Climate; plus Ocean Acidification, with Dr. Patrizia Ziveri, Saturdays of Environmental Sciences series at the Universitat Autònoma de Barcelona, March 16, 2013.