

## Curriculum vitae

### Personal details

Name: María Ainara Sistiaga Gutiérrez

Nationality: Spanish

### Current Position and contact information

PhD student

Instituto de Bio-Orgánica Antonio González. University of La Laguna, Tenerife, Spain.

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### Academic Degrees

- Expected date PhD: October 2014
- June 2010: M.A. in Prehistory, Universidad de La Laguna, Spain
- June 2008: M.S. in Achaeosciences, Université Rennes 1, France.
- June 2007: B.A. in History, Universidad de La Laguna, Spain.

### Fellowships and Awards

- 2012: European Association of Organic Geochemistry. EAOG Award.
- 2009-2013: Canary Islands Government/Spanish Ministry of Science, Doctorate Fellow (FPU Grant holder)
- 2007-2009: "La Caixa" Fellowship for Postgraduate Studies Abroad.
- 2007: CSIC Fellowship for Initial training in Postgraduate Studies ("Beca de Introducción a la Investigación").
- 2007: Assistant fellowship in the Department of Prehistory

### Teaching

- 2013: Teaching Assistant for the Master course "Archaeometry", Prof. Carolina Mallol, University of La Laguna.
- 2012: Teaching Assistant for the course "*Química Arqueológica*", Prof. Luis Galindo, University of La Laguna, Spain.
- 2012: Teaching Assistant for the master course "*Archeometry*", Prof. Carolina Mallol, University of La Laguna, Spain
- 2011: Teaching Assistant for the course "*Método arqueológico*", Prof. Bertila Galván, University of La Laguna, Spain
- 2011: Teaching Assistant for the course "*Química Arqueológica*", Prof. Luis Galindo, University of La Laguna, Spain.

### Research

#### Participation in Research projects:

- 2013-2017: Olduvai Bed I Project (Tanzania).
- 2013-2016: The Disappearance of Neanderthals in Central Mediterranean Region of Iberia. A Methodological Proposal to Approach Historical Process and the Paleoenvironmental framework.
- 2014: La Ferrassie (France)
- 2013-2014: Neanderthal Fire Technology II. Leakey Grant 2010-2011: "Neanderthal fire technology. Leakey Grant"
- 2012: Paisley Cave. Preclovis Culture (Oregon, USA)
- 2011-2012: Final Middle Paleolithic installation in Mandrin Cave, Malatavene (Drôme, France).
- 2008-2011: "Neanderthal territory, characterization of the firsts hunter-gatherers societies of Alcoy Valley (Alicante, Spain)"
- 2004-2007: "In pursuit of Neanderthals traces. The origin of the human settlement in Alcoy Valley (Alicante, Spain)".

#### Participation in prehistoric excavations:

- 2003-2013: El Salt, (Alicante, Spain), Middle Paleolithic
- 2007: Pincevent (Seine-et-Marne, France), Upper Palaeolithic
- 2007: Archaeological Survey in the Alcoy Valley, (Alicante, Spain), Middle Palaeolithic.
- 2006: La Restinga (Gran Canaria, Spain). Aboriginal.
- 2004: Archaeological survey and cataloging of aboriginal sites in the Orotava Valley (Tenerife, Spain).
- 2002-2004: Concheros de la Fuente (Tenerife, Spain), aboriginal.

#### **Internships**

- October 2012- June 2013: Geobiology and Astrobiology Lab., Earth, Atmospheric and Planetary Sciences Department, Massachusetts Institute of Technology (USA).
- October 2011- January 2012: Microstratigraphy Laboratory, Department of Archaeology, Boston University (USA). March 2007: UMR.65.66 Civilisations Atlantiques et Archéosciences. Université Rennes 1. University of Rennes 1 (France)
- September 2007- March 2009: UMR.65.66 Civilisations Atlantiques et Archéosciences. Université Rennes 1. University of Rennes 1 (France).
- July 2007: UMR.65.66 Civilisations Atlantiques et Archéosciences. Université Rennes 1. University of Rennes 1 (France).

#### **Conferences, seminars and workshops**

- 2014: New Insights in Hominin Paleodiets from Faecal Biomarkers. (Invited talk) Universidad de La Laguna, Archaeology Seminars, Spain.
- 2014: *A new perspective on Paleodiets using faecal biomarkers.* (Invited talk) Max Planck Institute for Evolutionary Biology, Leipzig, Germany.
- 2013: *Fecal Biomarkers in Human Evolution.* (Poster presentation). In International Meeting of Organic Geochemistry. Tenerife, Spain.
- 2013: *La dieta de los Neanderthales.* El análisis de los biomarcadores lipídicos del yacimiento de El Salt (Alcoy). (Invited talk). Pinilla del Valle, Spain.
- 2013: *Advances in Microstratigraphic Dissection of Archaeologica Palimpsests. An example from El Salt Middle Paleolithic Site.* (Contributed talk). In the Developing International Geoarchaeology (DIG). Basel, Switzerland.
- 2013: *Lipid Biomarkers in Pleistocene Archaeology.* (Invited talk) Old World Archaeology Lecture Series at University of Connecticut, USA.
- 2012: *Experimental Data on Flat Combustion Structures.* (contributed talk). In the 14<sup>th</sup> International Working Meeting on Soil Micromorphology, Lleida, Spain.
- 2012: *The Disappearance of Neanderthals in Central Iberia. New Integrated Multidisciplinary Data from El Salt (Alicante, Spain).* (Poster presentation). In 2nd Annual Meeting of European Society for the Study of Human Evolution. Bordeaux, France.
- 2012: *Paleolithic Archaeology from an Interdisciplinary Microstratigraphic Perspective.* (Invited talk). In Bridging Gaps: Integrating Geosciences within Archaeological Research. Tübingen, Germany.
- 2007: *Tras el fuego de los Neandertales. Química orgánica aplicada al estudio de los fogones de El Salt.* (contributed talk). In VII Congreso ibérico de Arqueometría. Museo Nacional de Arqueología. Madrid, Spain

#### **Publications**

- A. Sistiaga,** C. Mallol, B. Galván, R. Summons (2014): The Neanderthal Meal; A New Perspective using Faecal Biomarkers. PLOS ONE June 2014, Vol. 9, Issue 6, e101045.

- A. Sistiaga**, F. Berna, R. Laursen, P. Goldberg (2014): Steroidal Biomarker Analysis of a 14,000 Years Old Putative Human Coprolite from Paisley Cave, Oregon. *J. Of Archae. Sci.* 41, 813-817.
- A. Sistiaga**, R. Wrangham, J. Rothman, R. Summons (In prep): New Insights on Paleodiets from Faecal Sterol Profiling in Wild Chimpanzee and Gorilla.
- A. Sistiaga**, R. March, C. Hernández, B. Galván (2011) Aproximación desde la química orgánica al estudio de los hogares del yacimiento del Paleolítico Medio de El Salt (Alicante, España). *Recerques* 20, pp. 47-70. Alicante.
- B. Galván, C. Hernández, C. Mallol, N. Mercier, **A. Sistiaga**, V. Soler (In press): New Evidence of Neanderthal Disappearance in the Iberian Peninsula. DOI: 10.1016/j.jhevol.2014.06.002
- C. Mallol, C. Hernández, D. Cabanes, J. Machado, **A. Sistiaga**, L. Pérez, B. Galván (2013): Human Actions Performed on Simple Combustion Structures. An Experimental Approach to the Study of Middle Paleolithic Fire.
- C. Mallol, C. Hernández, D. Cabanes, **A. Sistiaga**, J. Machado, A. Rodríguez, L. Pérez, B. Galván (2013) The Black Layer of Middle Paleolithic Combustion Structures. Interpretations and Archaeostratigraphic Implications. *Journal of Archaeological Science*, Volume 40, Issue 5, May 2013, Pages 2515-2537
- R. March, R. Dorta, **A. Sistiaga**, B. Galván, C. Hernández (2008) Tras el fuego de los Neandertales. Química orgánica aplicada al estudio de los fogones de El Salt". Actas del VII Congreso Ibérico de Arqueometría. Madrid 8-10: 28-41.

#### **References:**

- Professor Paul Goldberg, Boston University; Microstratigraphy Laboratory.
- Professor Roger Summons, Massachusetts Institute of Technology; EAPS Department.
- Professor Richard Wrangham, Harvard University. Department Human Evolutionary Biology.
- Professor María Dolores Garralda, Universidad Complutense de Madrid, Department of Zoology and Physical Anthropology.
- Professor Bernard Vandermeersch, Université Bordeaux 1, UMR 5199 PACEA.
- Professor Manuel Dominguez Rodrigo, Universidad Complutense de Madrid.