

## **CURRICULUM VITAE**

### **MARIA CRISTINA MARTINEZ-LABARGA**

Date of birth: Madrid (Spain) January 17th, 1963

Nationality: Spanish

#### **ACADEMIC POSITION**

Researcher, Assistant Professor in Anthropology, Departmental Centre of Molecular Anthropology for ancient DNA studies, Department of Biology, University of Rome "Tor Vergata". Via della Ricerca Scientifica n. 1, 00173 Roma, (Italia). Tel (office) +39-06-72594348, - (lab) +39-06-72594334, FAX: +39-06-2023500, cell.: +39-3204317082, e-mail: [martine@uniroma2.it](mailto:martine@uniroma2.it)

skyke: cristinamartinezlalarga

Associate Professor in Anthropology (waiting for official appointment from April 2018).

#### **QUALIFICATIONS**

2014: National Scientific Qualification (*Abilitazione Scientifica Nazionale*) as Associate Professor of -Zoology and Anthropology (area 05/B1).

#### **ACADEMIC TITTLE**

- 1987: Degree in Biological Sciences, University Complutense of Madrid.
- 1993: Ph.D. degree in Human Evolution, University Complutense of Madrid, Spain, with a. Thesis: "Estructura genética de dos comunidades afro-americanas de Ecuador". Mark: Apto cum laude by unanimity"
- 1996: Ph.D. degree in Evolutionary Biology, University of Bologna and University "La Sapienza" of Rome, with a Thesis: "Variabilità genetica a livello del DNA mitocondriale nei Cayapa dell'Ecuador e confronto con altre popolazioni indiane americane".
- 2006: Aggregated Professor in Anthropology (BIO/08) University of Rome "Tor Vergata"

#### **PROFESSIONAL EXPERIENCE**

- 1994: Award for Doctoral Thesis, Fundación Caja Madrid (Madrid, Spain)
- 1989: "Collaboration" grant of the Spanish Ministry of Education and Science at the Section of Anthropology, Faculty of Biology, University Complutense of Madrid.
- 1989 –1990 ERASMUS Grant for University of Rome Tor Vergata

- 1993-1995, Research Fellow C.E.E. Grant - "Human Capital and Mobility" program, n. contract: ERBCHBICT920251. "Genetic diversity of the mitochondrial genome in some native populations of Ecuador". Department of Biology, University of Rome Tor Vergata.
- 1996-1997, 1997-98 post-doc research fellows CNR on ancient DNA studies.
- Since 2001: Researcher, Assistant Professor in Anthropology (BIIO/08), Department of Biology, University of Rome "Tor Vergata".
- February 2004: Servizio di Biologia del Departamento de Madrid del Instituto Nacional de Toxicologia del Ministerio de Justicia, Madrid (Spain).
- 2003-2007: Participation at the project "Investigación científica sobre la identificación genética los restos exhumados de Cristóbal Colon y sus familiares ", University of Granada, P.I. Prof. J.A. Lorente. Granada (Spain)
- April 2011: Laboratory CGC/Genetics di Madrid, (Spain) directed by Dr. M. Orera to study obesity genetic markers.

#### **Participation at research projects (last 10 years):**

- PRIN MIUR 2015 "*Diseases, health and lifestyles in Rome: from the Empire to the Early Middle Age*". Prot.N.: 2015PJ7H3K\_003. (69.000 Euro). P.I. C Martinez-Labarga National coordinator: V. Gazzaniga.
- Qatar National Research Foundation grant (4 years): "*Human Populations and Demographics in Qatar from the Neolithic to the late Iron Age*". Prop. N: NPRP10-0208-170411, \$633,757.00. (02/2018 - 02/2022). P.I. C Martinez-Labarga, Lead Investigator: Dr. S. Tomei
- 2012- at present: "*Analisi molecolare del tipo di dieta e caratterizzazione genetica dei campioni osteologici umani prelevati dal sito archeologico dell'area Megalitica di Saint-Martin-de-Corléans, nel comune d'Aosta*" (PI O. Rickards)
- PRIN MIUR 2010-11 Biological and cultural heritage of the central-southern Italian population trough 30 thousand Years EPIC (Eredità della Popolazione dell'Italia Centro-meridionale) PI O. Rickards (264.585 euro) participant with 4.2 months.
- PRIN MIUR 2008 Origin and diffusion of farming in central-southern Italy: a molecular approach. PI O. Rickards (126,429 euro). participant with 12 months.

- PRIN 2005 Dietary variability and genetic origins of ancient human populations: a combined ancient biomolecular approach. PI O. Rickards (128,600 euro). Participant 20 months.

## **RESEARCH TOPICS**

mtDNA, Y-chromosome and autosomal polymorphisms in order to analyse the human genetic variability and to explore the evolutionary history of populations living in various geographical areas (America, Africa and the Mediterranean region).

Molecular archaeo-anthropology: aDNA analysis from historical and archaeological specimens from Italy, North Africa and South America to reconstruct genetic history and migrations of ancient populations.

Biological identification and analysis of Archaeological (prehistoric, roman and medieval populations) and Forensic human osteological remains.

The study of carbon and nitrogen stable isotope from the collagen of the skeletal remains from a past population to reconstruct the subsistence patterns.

Analysed of oxygen and strontium stable isotope from the tooth enamel to study the mobility of ancient people.

Her scientific activity is documented by a total of 120 papers *in extenso* (71 peer-reviewed on international ISI journals, 45 chapters of scientific books) and 173 posters and/or communications in National and international Scientific congress.

The results of some studies have been subject of comments and articles on various international and national newspapers.

## **NATIONAL AND INTERNATIONAL COLLABORATIONS**

Many international and national collaboration as testified by the author lines of publications.

## **BIBLIOMETRIC INDICES** (march 2018)

A total of 61 publications on international ISI journals.

Orcid ID: 0000-0003-0439-0379

[ResearcherID K-6011-2014](#)

Scopus Author ID: 6602423556

Scopus H-Index = 18 (about 1404 citations);

Google Scholar H-Index = 22 (about 2214 citations).

ANVUR Quality Research Evaluation (VQR) 2011-2014: excellent

### **National and international grants (as principal investigator)**

- **PRIN MIUR 2015** (36 months) “*Diseases, health and lifestyles in Rome: from the Empire to the Early Middle Age*”. Prot.N.: 2015PJ7H3K\_003. **69.000 Euro**. P.I. MARTINEZ-LABARGA  
National coordinator: V. Gazzaniga.
- **Qatar National Research Foundation grant** (4 years): “**Human Populations and Demographics in Qatar from the Neolithic to the late Iron Age**”. Prop. N: NPRP10-0208-170411, **\$633,757.00**. (02/2018 - 02/2022). P.I. MARTINEZ-LABARGA, Lead Investigator: Dr. Sara Tomei
- **Grant of the European Economic Community programme “Human Capital and Mobility”** 1992 (2 years) Proposal ERB4001GT921357 “Genetic diversity of the mitochondrial genoma in some native populations of Ecuador”. 98,951 ECU., P.I. MARTINEZ-LABARGA, Scientific leader: Olga RICKARDS.

### **National and international acknowledgments**

- 1994, prize for the "*Tesis Doctoral*" Banca Caja de Madrid (Spain).

### **EVALUATION ACTIVITY**

- 2004-at present: Member of the Editorial board of the *Annals of Human Biology* (Taylor & Francis - Health Sciences).
- Member of the Scientific Committee of *Revista Española de Antropología Biológica* (1998-99) and the on-line journal *Antropo* (2010-at present).
- Reviewer for several international and national scientific journals: *American Journal of Physical Anthropology*, *Human Genetics*, *European Journal of Human Genetics*, *BioMED*, *Journal of Archaeological Sciences*, *Journal Anthropological Science*, *Quaternary International*, *Scienze dell’Antichità*.
- Reviewer of MIUR (Italian Ministry for the Universities) for PRIN, SIR and FIRB projects.

### **DISSEMINATION OF SCIENTIFIC KNOWLEDGE**

Scientific curator of several national exhibitions covering the important topic of human evolution

Partner and promoter for the organization of several seminars and workshop on molecular anthropology and forensic identification.

Multiple academic and divulgation lectures, conferences and seminars.

#### **ADDITIONAL INFORMATION:**

Member of several international and national scientific associations.

#### **ISTITUTIONAL EDUCATIONAL ACTIVITIES**

- 2002-present: University of Rome “Tor Vergata”. Postgraduate level courses: Forensic Anthropology, Primates: adaptation and evolution, Human evolution and Ecology, Forensic Genetic for Master Course of Evolutionary Biology, Ecology and Applied Anthropology.
- 2000–2004, 2008-2009: University of “La Tuscia” Viterbo. Courses of Anthropology for Biological Sciences and Cultural heritage.
- 1998–2000: University of Alcala, Madrid, Spain. Courses of Anthropology, and Human Ecology for Biological sciences and Environmental Sciences.

Lessons at several national and international Master, Summer Schools and specialist courses. The more relevant:

- “Fossil Proteins and DNA” in the Intensive Course in Biological Anthropology, Summer school, Charles University in Prague and the EAA (European Anthropological Association (June 2007). “Corso di preparazione all’Antropologia Molecolare e Forense” University of Rome “Tor Vergata” (40 hours, March – April 2015).
- “Genética de las Poblaciones Humanas: Análisis de ADN antiguo” in the Máster “Antropología física: Evolución y Biodiversidad Humana” Universidad Autonoma de Madrid, Universidad de Alcala & Universidad Complutense de Madrid (2009/10 - 2011/12).
- “Ancient biomolecules and the peopling of Europe” in the Genetica forense course. Erasmus Teaching Staff Mobility, Máster in Biological Anthropology ’Universidad de Barcelona & Universidad Autonoma de Barcelona (anno accademico 2012/13-2017/18).
- Master di secondo livello “Genetica Forense” University of Rome “Tor Vergata” (from 2008).
- Master di secondo livello “Professione formatore in didattica delle scienze -Training for Trainer in Science Teaching” University of Rome “Tor Vergata” (from 2017-2018).

- Corso di Alta Formazione “Nuove tecnologie applicate alla bioarcheologia. Ricostruzione degli stili di vita nella Roma antica” Sapienza Università di Roma (2017/18)

**MEMBER OF THE COLLEGE OF TEACHERS OF THE FOLLOWING HIGHER EDUCATION SCHOOLS:**

2007-present: Member of the PhD programme in Evolutionary Biology and Ecology (University of Rome "Tor Vergata").

2000-2002: Member of the PhD inter-university programme of “Biología Evolutiva y Biodiversidad” University of Alcalá (Madrid) and University Autónoma of Madrid (Spain). In this PhD program Course of “Evolución molecular: aplicaciones y herramientas en biología animal” (30 hours, 2001-2002), and Course of “Antropología molecular” (30 hours, 2000-2001)

**SUPERVISOR OF EXPERIMENTAL THESES**

Supervisor of three PhD degree Thesis.

In the last 5 years, supervisor of a multiple master thesis in Biological Sciences.

**MEMBER OF FINAL EXAMINATION COMMITTEES**

- 2016, 2017 e 2018 (XXVIII, XXIX & XXX cycles) member of final examination Ph D in programme in Evolutionary Biology and Ecology (University of Rome "Tor Vergata").
- September 2003, June 2008, June 2011 member of final examination Ph D at *University of Granada* (Spain).
- September 2015 and September 2017 member of final examination Ph D at *University Complutense of Madrid* (Spain).
- *Facultad de Ciencias Biológicas de la Universidad Complutense de Madrid* (Spain)
- May 2015 member of final examination Ph D at *University Autónoma of Barcelona* (Spain)

**INVITED SPEAKER** in various courses/schools/conferences.