

# EUGENIO BORTOLINI

**Senior Assistant Professor (Lecturer/RTDb)**

**Methods for Archaeological Research**

Department of Cultural Heritage

University of Bologna

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Italy

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**Citations:** 585 (Google Scholar), 397 (Scopus)

**h-index:** 14 (Google Scholar), 13 (Scopus)

## **Education:**

**PhD in Archaeology**, The Institute of Archaeology, UCL (UK): May 2014

**MA in Archaeology** (with Distinction), The Institute of Archaeology, UCL (UK): 2009

**Laurea** in Conservation of Archaeological Heritage, Thesis in Survey and Analysis of Ancient Monuments (110/110 *Summa cum Laude*), Facoltà di Conservazione dei Beni Culturali, Università di Bologna (IT): 2008

## **Research Interests**

- Prehistory of the Arabian Peninsula
- Development and application of quantitative methods to Archaeology and Anthropology
- Mechanisms of adoption and transmission of cultural variants
- Coevolution of culture and genes
- Archaeological theory
- Middle-Upper Palaeolithic Transition in Europe
- Sapiens/Neanderthal interaction
- Funerary Archaeology

## **Current Appointments**

**Senior Assistant Professor** in Methods for Archaeological Research, Department of Cultural Heritage, University of Bologna, Italy (October 2022-present)

## **Previous Appointments and collaborations**

**Científico Titular (Tenured Researcher**, December 2021-present), tenured position at the Department of Archaeology and Anthropology, Institución Milá y Fontanals de investigación en Humanidades (Research Group in Archaeology and Human Ecology, HUMANE), Barcelona. Main goal: development of individual-based models of cultural change and new approaches to data analysis in the Humanities.

**Adjunct Professor** (January 2022-present), Department of History and Cultures, University of Bologna

**Associate Researcher**, CaSEs Research Group (Culture and Socio-Ecological Dynamics; Direction: Marco Madella; January 2018-present), Department of Humanities, Universitat Pompeu Fabra, Barcelona, Spain

**Junior Assistant Professor** (June 2017-December 2021), Department of Cultural Heritage, University of Bologna – appointment for teaching Quantitative Methods for Cultural Heritage (BA-level course), Quantitative Methods for the Study of Anthropological and Cultural Processes (MA-level course), Methods for Archaeological Research (MA-level course)

**ERC Research Fellow** (June 2017-December 2021), SUCCESS research project (COG-ERC-724046; *PI*: Prof. Stefano Benazzi, Department of Cultural Heritage, University of Bologna). Main tasks: 1) systematic description of lithic materials and bone artefacts from European-Mediterranean contexts documenting potential interaction between Neanderthal and Anatomically Modern Humans; 2) quantitative analysis of diachronic change in lithic and bone artefacts, identification and analysis of potential processes of cultural selection; 3) exploration of possible relationships between cultural change, change in subsistence strategies, and environmental change; 4) modelling of processes of cultural transmission and cultural diffusion.

**Research Fellow (January 2016-June 2017)**, Department of Archaeology and Anthropology, IMF-CSIC (Spanish National Research Council), Barcelona, Spain. Main tasks: designing, developing, and testing theoretical and agent-based models for simulating processes of cultural admixture and bottlenecks in order to formally investigate their effect on cultural diversity and their potential links with human interaction and the movement of people. Testing the applicability of analyses of admixture developed in human population genetics to the study of change over time in material culture and cultivars.

**Research Associate, (August 2013-January 2016)** ERC LanGeLin project, Dept. of Biological, Geological and Environmental Sciences, University of Bologna, Italy. Main tasks: 1) development of tailored methods for addressing issues related to the quantification of material cultural and linguistic diversity/distance over time and space; 2) testing hypotheses on demic movements/vertical transmission of culture by exploring correlation between genetic and linguistic/cultural evidence worldwide; 3) phylogenetic analysis; 4) collection of cultural evidence and biological samples from Asia and South America.

**External Collaborator (2012-2013)**, ERC EUREVOL project (PI: Prof. Stephen Shennan), The Institute of Archaeology, UCL. Main tasks: data collection in the context of Neolithic Europe.

### **Doctoral Project**

**2009-2013** The Institute of Archaeology, UCL (UK); Supervision: Stephen Shennan (UCL, UK), Mark Lake (UCL, UK). Title: *An evolutionary and quantitative analysis of construction variation in prehistoric monumental burials of eastern Arabia*.

The project aimed to analyse change in prehistoric funerary structures and related material culture of eastern Arabia (Sultanate of Oman and UAE) during the 3rd millennium BCE from the perspective of *cultural evolutionary theory*. By linking social and environmental dynamics to the patterns observed in decorative and functional elements of monumental tombs and ceramic materials uncovered in funerary contexts, I explored and tested specific hypotheses about adoption, replication, and persistence over time of the examined cultural variants. Main objective was to understand if observed diversity and change could be ascribed to demographic fluctuations and variable human interaction over time and space (i.e. to a *neutral process*), or it was rather resulting from adaptation to social, cultural and environmental pressures (i.e. it was caused by systematic preferences, change in population structure, or external constraints). The study allowed for a reassessment of the current classification and interpretation of funerary practices of eastern Arabia and sought to generate new explanations for a still largely unknown archaeological context.

## **Academic acknowledgments**

**2020** National (Italy) Scientific Qualification as Associate Professor, area 10/A1 (Archaeology)

**2013** Elected Associate Fellow of the Higher Education Academy (UK)

## **Departmental and Doctoral Committees**

**2017- december 2021** Member, Research Committee, Dept. of Cultural Heritage, University of Bologna

**2017- december 2021** Member, the Laboratory of Osteoarchaeology and Palaeoanthropology of the University of Bologna (Bones Lab; Direction: Stefano Benazzi), Dept. Cultural Heritage.

**2018- december 2021** Member, Committee for Study and Research Travel Grants, Dept. of Cultural Heritage, University of Bologna

2019-2020 Coordinator of Departmental Activities, European Researcher Night, Ravenna Campus, University of Bologna

**2020 - december 2021** Member, Departmental Committee for the attribution of Teaching Contracts, Dept. of Cultural Heritage, University of Bologna

**2020-december 2021** Member, Departmental Committee for the National Evaluation of the Quality of Research (VQR 2015-2019), Dept. of cultural Heritage, University of Bologna

**2021-december 2021** Member, Doctoral Programme Committee, PhD Programme in Cultural and Environmental Heritage, Ravenna Campus, University of Bologna

**2021-december 2021** Member, Committee for Quality Assurance, BA in Cultural Heritage, University of Bologna

## **Teaching Appointments**

**PhD-level/Specialist course** (course **coordinator**) 92315 – Quantitative analysis of cultural processes, 24 hours per year; Specialisation School in Archaeology, Dept. of History and Cultures, University of Bologna; **February 2020-present**

**BA-level course** (course **coordinator**) 87402 -Quantitative Methods for Cultural Heritage, 6 ECTS, Dept. of Cultural Heritage, University of Bologna (<https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2020/446153>). **March 2019-present**

**PhD-level course** (course **coordinator**) Basic and Advanced Statistics and R programming; tot: 20 hours per year; Doctoral Programme in Cultural and Environmental Heritage Preservation, University of Bologna, Ravenna Campus; **January 2019-present**

**MA-level course** (course **coordinator**) G.E29726-Quantitative Methods for the Study of Anthropological and Cultural processes, 12 ECTS, Dept. of Cultural Heritage, University of Bologna; **April-May 2018**

**MA-level course** 08482-Methods for Archaeological Research, 6 ECTS, Dept. of Cultural Heritage, University of Bologna (<https://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2020/380296>); **October 2018-present**

**Postgraduate Teaching Assistantship** at the Institute of Archaeology, UCL. Course ARCL2037 Interpreting Archaeological Data (undergraduate core course; co-ordinator: Dr. Matt Pope). From September 2012 to August 2013.

**Invited Lecturer** at University Suor Orsola Benincasa, Naples. Two lectures on Archaeological Methods and Theory (undergraduate and graduate core course; coordinators Prof. Massimiliano Marazzi and Prof. Carla Pepe); four lectures on the prehistory and history of the Arabian Peninsula (undergraduate and graduate core courses; coordinators Prof. Paola Villani, Prof. Carla Pepe); three lectures on the prehistory and writing systems of the Iranian Plateau, the greater Indus Valley, and the Arabian Peninsula (graduate core course; Coordinator: Prof. Massimiliano Marazzi). From January 2015 to May 2016.

## Thesis supervision and co-supervision

### **BA Dissertations (4 completed)**

- Fabio Tagliavini, *Imaging satellitare e contrasto della predazione archeologica: un approccio multidisciplinare 105/110* (**supervisor**; secondary supervisor F. Pellizer, Università di Bologna; **July 2020**)
- Giulia Sirri, *Neanderthals in Eastern Europe, Balkans, Caucasus and Central Asia: a catalogue* (**secondary supervisor**; supervisor S. Benazzi, Università di Bologna; **March 2022**)
- Elena Armaroli, *Alle origini della modernità comportamentale: cultura materiale simbolica in Homo sapiens e Homo neandertalensis 110/110 e Lode* (**secondary supervisor**; supervisor S. Benazzi, Università di Bologna; **November 2019**)
- Martina Francucci, *Le necropoli di Casalmoro, Guidizzolo e Valdaro: differenze o similitudini sociali e occupazionali nella fase di transizione dell'età Tardo Antica attraverso l'analisi paleopatologica 110/110 e Lode* (**secondary supervisor**; supervisor S. Benazzi, Università di Bologna; **March 2019**)

### **MA Dissertations (8 completed)**

- Vera Vitartali, *Fonti e metodi quantitativi per lo studio e la definizione di processi di trasmissione di elementi morfologici ed iconografici nell'ambito del corpus delle Pietre Fiesolane (107/110)* (**supervisor**; secondary supervisor C. Pizzirani, Università di Bologna; **marzo 2021**)
- Sara Facciani, *L'utilizzo di analisi geospaziali e GIS per determinare la distribuzione delle evidenze archeologiche nel distretto di Nurabad (Samarcanda, Uzbekistan)* (**secondary supervisor**; supervisor F. Boschi, Università di Bologna; **discussione maggio 2022**)
- Malcom Cusinato *Il "nb" elemento di origine punica? Analisi quantitative su scarabei Fenicio-Punici (110/110)* (**secondary supervisor**, supervisor R. Secci, Università di Bologna; **marzo 2022**)
- Erica Piccirilli *Biological affinities of Celtic communities from Hungary with Bronze and Iron Age Italian contexts: new insights on Celtic migration in Italy through the analysis of non-metric dental traits (110/110 e Lode)* (**secondary supervisor**; supervisor S. Benazzi, Unibo; **marzo 2022**)
- Elena Armaroli, *Uomini e stambecchi nel Paleolitico superiore dell'Italia nord-orientale. Il caso di Riparo Dalmeri (TN): risultati preliminari di un nuovo approccio multidisciplinare per l'analisi archeozoologica (110/110 e Lode)* (**secondary supervisor**; supervisor S. Benazzi, Università di Bologna; **marzo 2021**)
- Jessica Menghi Sartorio, *Analisi della variabilità nelle radici dei denti anteriori di H. sapiens e Neandertal attraverso metodi virtuali e di supervised learning, 110/110 e Lode* (**secondary supervisor**; supervisor B. Bramanti, Università di Ferrara; **marzo 2021**)
- Naghme Mahzounzadeh, *Arrowheads from Iran in the Historical Pre-Islamic Period 110/110 e Lode* (**secondary supervisor**; supervisor P. Callieri, Università di Bologna; **luglio 2020**)
- Gessica Martini, *An evolutionary approach to the study of folk tale variability, 110/110 e Lode* (**secondary supervisor**; supervisor D. Luiselli, Università di Bologna; **marzo 2015**)

### **Doctoral Dissertations (1 completed)**

- Maria Pia Maiorano, *Trasmissione culturale e neolitizzazione della Penisola Araba Sud-Orientale (8500-5700 BP), Ottimo (30/09/2020). Joint supervisor* with Andrea Manzo (Università di Napoli L'Orientale) and Remy Crassard (CNRS, France)

### Selected Fieldwork

- Field Director**, collection of biological samples from populations of the Greek-speaking area of Apulia, Southern Italy. *Direction*: Davide Pettener; *Institutions*: University of Bologna; December 2013.
- Director/Research Archaeologist**, Wadi Halfayin Survey Project: Survey and Analysis of Bronze Age monumental burials (ad Dakhiliyah, Northern Oman). *Direction*: Eugenio Bortolini; *Institutions*: Ministry of Heritage and Culture, Sultanate of Oman. From January 2010 to present
- Field Director/Research Archaeologist**, The Oasis of Zukayt Project (intermittent appointment), *Direction*: Eugenio Bortolini, Maurizio Tosi; *Institutions*: University of Bologna, Department of Archaeology; Ministry of Heritage and Culture, Sultanate of Oman. February 2007- April 2008.
- Research Archaeologist**, The Joint Hadd Project, Excavation of Bronze Age burial cairns at HD-7.3 (Ras' al-Hadd, Ja'alan, Sultanate of Oman). January 2007- February 2007.
- Research Archaeologist**, The Joint Hadd Project, Excavation of the Bronze Age coastal settlement of RJ-2 (Ra's al-Jinz, Oman). *Direction*: Maurizio Tosi, Serge Cleuziou, Gregory L. Possehl; *Institutions*: University of Bologna, Department of Archaeology; ISIAO (Italy); Université de Paris-I – Panthéon

Sorbonne; CNRS (France); University of Pennsylvania; Ministry of Heritage and Culture of the Sultanate of Oman. December 2005 - March 2006.

**Field Assistant**, Rescue excavation of the 5 millennium BC coastal midden/graveyard RH-5 (Ra's al-Hamra, Muscat, Sultanate of Oman); *Direction*: Maurizio Tosi, Serge Cleuziou; *Institutions*: University of Bologna, Department of Archaeology; Istituto Italiano per l'Africa e l'Oriente (IsIAO); Université de Paris-I – Panthéon Sorbonne; Centre National de la Recherche Scientifique (CNRS, France); Ministry of Heritage and Culture of the Sultanate of Oman. April 2005 - June 2005.

**Field Technician**, Archaeological Map of the Middle Zeravshan Valley Project, Excavation of the nomadic kurgan graveyard of Sazagan (Samarkand, Uzbekistan); Survey of the Southern Zeravshan Basin (Samarkand, Uzbekistan); *Direction*: Maurizio Tosi, Timur Shirinov; *Institutions*: University of Bologna, Department of Archaeology; University of Samarkand; Istituto Italiano per l'Africa e l'Oriente (IsIAO). September 2003 - November 2003.

**Field Technician**, Lares snc (excavation of Iron Age settlements in Emilia Romagna, Italy). March 2002 - August 2002.

**Field Technician**, University of Bologna, Department of Archaeology, Excavation of the Etruscan settlement of Marzabotto (Bologna, Italy); *Direction* : Giuseppe Sassatelli, Elisabetta Govi. June 2002.

### **Research funding, Awards and Scholarships**

Musei Civici Modena (Italy), UNESCO Project Modena: Cattedrale, Torre Civica e piazza Grande (2019-2020; Euro 16400)

Arts and Humanities Research Council (UK), Research Scholarship (2009-2012; GBP 10850)

Istituto Italiano di Preistoria e Protostoria, Scholarship (2010-2011; Euro 3000)

UCL Graduate School Research Projects Fund (2012, 2010; GBP 500)

Institute of Archaeology, UCL Awards (2012, 2011, 2010; GBP 1560)

University of Bologna Scholarship for Research Dissertation in a Foreign Country (2007; Euro 2265)

University of Bologna Grant for Research Travel Expenses (2005, 2004, 2003)

### **Presentations, Invited Talks and Session/conference Organisation**

#### **2021:**

Bortolini, E. (**invited**) Change in Early Bronze Age funerary Practices of Oman: a quantitative perspective, 1<sup>st</sup> Congress of Ancient Near East Landscape Archaeology and Historical Geography, Sapienza University, Rome, October 5th

Bortolini, E., Vazzana A. Da *San Geminiano alla Cattedrale Romanica*, Giornate europee dell'Archeologia, Musei Civici, Modena, June 18<sup>th</sup>

#### **2020:**

Bortolini, E., Rita Sorrentino, Federico Lugli, Sara Conti, Erica Piccirilli, Simona Arrighi, Federica Badino, Laura Buti, Carla Figus, Giulia Marciani, Gregorio Oxilia, Matteo Romandini, Sara Silvestrini, Antonino Vazzana, Gaia Gabanini, Annachiara Penzo, Antonio Gottarelli, Anna Cipriani, Maria Giovanna Belcastro, Stefano Benazzi, *Assessing biological and cultural admixture in the Etruscan-Celtic population of Monterenzio Vecchio and Monte Bibele (Bologna, Italy)*, AAI Conference 2019, Padova, September 5

Bortolini, E. (**invited**) *Flussi di idee e flussi di persone: la trasmissione della cultura tra migrazioni e tradizioni*, TEDxSchio "Flussi", Schio, May 18<sup>th</sup>

#### **2018:**

Bortolini, E. Benazzi, S. and Luiselli, D. (**Organisers**) *Noi e Loro: Le migrazioni umane come chiave per comprendere le nostre origini e il nostro presente*. Roundtable, invited speakers: Francesco Cavalli-Sforza, Guido Barbujani, Annalisa Furia, Giorgio Manzi, October 10<sup>th</sup>, 2018, Department of Cultural Heritage, University of Bologna, Ravenna

Bortolini, E. (**invited**) *Lupus in fabula: La diffusione delle fiabe in Europa e Asia e la mutazione di Cappuccetto Rosso*, presented at the international conference Uomini e Lupi: genetica, antropologia e storia; 25-26 October, Department of Cultural Heritage, University of Bologna, Ravenna

Bortolini, E. Romandini, M., Arrighi, S., Badino F., Figus, C., Lugli F., Marciani G., Oxilia G., Peresani M. Benazzi, S. *Uomini, mammiferi, uccelli e ambiente: una prospettiva archeozoologica e quantitativa sulla transizione Paleolitico medio/Paleolitico superiore in Italia Settentrionale*, poster presented at the 9<sup>th</sup> AIAZ Conference, 28 november-1 december, Ravenna

**2017:**

Bortolini, E. (**Organiser**), International Workshop *Coevolutionary patterns and transition: Analysing processes of cultural change in cross-cultural and diachronic contexts*, Istitució Milá i Fontanals, Barcellona, June 9th

Bortolini, E. *Just a place to die? Investigating structural variability and spatial distribution of monumental funerary structures in Wādi Halfayin (Ad Dakhiliyah, Sultanate of Oman)*, presented at the International Workshop “Empty Spaces or Creative Interfaces? A multi-scalar perspective on current dryland archaeology”, Universitat Pompeu Fabra, Barcelona, February 15-17.

**2016:**

Bortolini, E. *Isolation by distance, demic diffusion, and cultural transmission in the genomic era: A case study based on folktales distribution over Eurasia and Africa*, 6th International Conference DNA Polymorphism in Human Populations, Musée de l’Homme, Paris, France, 7-9 December 2016.

Bortolini, E. (**invited**) *Isolation by distance, demic diffusion, and cultural diffusion in the genomic era: Investigating the distribution of traditional folktales across Eurasia*, Max Planck Institute for the Science of Human History, Jena, November 29th.

Bortolini, E. and Pagani, L. *Melting pot? Testing analysis of admixture on archaeological and cultural data*, paper presented at the Eighth World Archaeological Congress, Kyoto, August 30<sup>th</sup>

Bortolini, E. and García-Granero, J.J. *Traces of date palm in early 3<sup>rd</sup> millennium BCE Oman?* Poster presented at the 50th Seminar for Arabian Studies (London, July 30)

Bortolini, E. *Hafit-Umm an-Nar (reprise): transition or transmission?* Paper presented at the 50th Seminar for Arabian Studies (London, July 30)

Bortolini, E. *Isolation by distance, demic diffusion, and cultural transmission in the genomic era: A case study based on folktales distribution over Eurasia and Africa*, paper presented at the international workshop “How wrong is my model? Empirical challenges in archaeology, history, and anthropology”. Barcelona, May 24<sup>th</sup>-26<sup>th</sup>

**2015:**

Bortolini, E. (**invited**) *Cultural Transmission: another perspective on human evolution*. Invited talk at the Centre for Geo-Genetics, University of Copenhagen, Copenhagen November 24-25

Bortolini, E. **Organiser** of the workshop *Statistica e Scienze Umane: un Colloquio*, held in Fognano (RA), May 15-16, Officially sponsored by Biostat (Scuola di Alta Formazione Statistica), Polo Universitario Asti Studi Superiori, University of Padova, University of Bologna, Società Italiana di Statistica.

**2014:**

Bortolini, E., Crema, E.R., Lake, M.W. *Effective population and genotype-phenotype decoupling in cultural evolution*, presented at Simulating the Past to Understand Human History, Social Simulation Conference 2014, Barcelona, September 1-5.

Bortolini, E. (**invited**) *Fashion or social meaning? Analysing change in monumental burials of prehistoric eastern Arabia*, at the Symposium *Archaeology, Death, and Change in Arabia* (Chair: Kimberly Williams), Society for American Archaeology Annual Meeting. Austin, Texas, April 24.

**2012:**

Bortolini, E., Munoz, O. (**invited**) *Evolution of Societies and Funerary Customs of the Oman Peninsula from Neolithic to the Bronze Age*, presented at the International Symposium “The Archaeological Heritage of Oman. An Early Cradle of Arabian Civilization brought to the Forefront of Cultural Resource Management”. UNESCO, Paris, September 7th.

**Organiser** of the session *Embracing Uncertainty in Archaeology* at the international Computer and Quantitative Applications in Archaeology conference (CAA) held in Southampton, March 26-30 (with Andy Bevan, Enrico Crema, Eleonora Gandolfi and Mark Lake).

**2011:**

Bortolini, E. *The funerary archaeology of Wādi Halfayn (al-Dākhiliyyah, Sultanate of Oman)*, Paper presented at the 45th Seminar for Arabian Studies (London, July 29)

**2010:**

Bortolini, E. *The Hafit-Umm an-Nar Transition: an Evolutionary Perspective*, poster presented at the 44<sup>th</sup> Seminar for Arabian Studies (London, British Museum, July 22-24)

**2008:**

Bortolini, E. and Tosi, M. *Prehistoric Burial Cairns and Control of Passage in Early Bronze Age Oman: The Oasis of Zukayt (ad Dakhiliyah, Northern Oman)*, paper presented at *Death, Burial and the Transition to the afterlife in Arabia and the Adjacent Regions*, Society for Arabian Studies Biennial Conference 2008 (London, British Museum, November 27-29).

**2007:**

Bortolini, E., Cerasetti, B. *Heartlands of Magan: a Study of Oases Potential from Satellite Images*, poster presented at 19th South Asian Archaeology International Conference, Ravenna (Italy), 2-7 July.



## **Contribution to presentations to international conferences**

### **2018:**

Arrighi S, Romandini M, Aureli D, **Bortolini E**, Figus C, Forte M, Boscato P, Boschini F, Crezzini J, Moroni A, Negrino F, Peresani M, Riel-Salvatore J, Ronchitelli A, Spinapolice EE, Benazzi S. [Ornaments and Pigments and their implications in behavioural modernity during the Middle to Upper Palaeolithic transition in Italy](#). XVIII° CONGRES UISPP PARIS, 4-9 JUNIN 2018

Arrighi S, Romandini M, Aureli D, **Bortolini E**, Boscato P, Boschini F, Crezzini J, Figus C, Moroni A, Negrino F, Peresani M, Riel-Salvatore J, Ronchitelli A, Spinapolice EE, Benazzi S. [Bone artefacts from transitional and Early Upper Palaeolithic techno-complexes in Italy](#). XVIII° CONGRES UISPP PARIS, 4-9 JUNIN 2018

Romandini M, Arrighi S, Badino F, **Bortolini E**, Boschini F, Figus C, Fiorini A, Lugli F, Marciani G, Oxilia G, Peresani M, Benazzi S. [Ornamental deer teeth in Upper Palaeolithic north-eastern Italy: a comparison of Aurignacian and Gravettian processing techniques](#). 13th International ICAZ Conference, Ankara, Turkey, 2 -7 September 2018

Benazzi S, **Bortolini E**, Arrighi S, Aureli D, Badino F, Figus C, Romandini M, Boscato P, Cipriani A, Feeney R, Moroni A, Negrino F, Peresani M, Pini R, Ravazzi C, Ryan TM, Spinapolice EE, Ronchitelli A. [The earliest migration of Homo sapiens in southern Europe: an ERC grant to understand the biocultural processes that define our uniqueness](#). XVIII° CONGRES UISPP PARIS, 4-9 JUNIN 2018

Romandini M, Arrighi S, Aureli D, **Bortolini E**, Boscato P, Boschini F, Crezzini J, Figus C, Moroni A, Negrino F, Peresani M, Pothier Bouchard G, Riel-Salvatore J, Ronchitelli A, Spinapolice EE, and Benazzi S. [Mammals and birds in Italy : a view across the MP-UP humans transition](#). XVIII° CONGRES UISPP PARIS, 4-9 JUNIN 2018

Aureli D, Arrighi S, **Bortolini E**, Boscato P, Boschini F, Crezzini J, Delpiano D, Falcucci A, Figus C, Moroni A, Negrino F, Peresani M, Riel-Salvatore J, Romandini M, Ronchitelli A, Spinapolice EE, Benazzi S. [The Italian Peninsula between 45 and 39 ky ago: the sunset of the “old” and the dawn of the “new”? Let the lithic industries tell!\\_XVIII° CONGRES UISPP PARIS, 4-9 JUNIN 2018](#)

### **2016:**

Caro, J., **Bortolini, E**. Systematic description and analysis of food sharing practices among hunter gatherer societies, International Conference SHARING: The Archaeology & Anthropology of Hunter-Gatherers, McDonald Institute for Archaeological Research, University of Cambridge (UK), September 20-21

Sarno S, Boattini A, Pagani L, Sazzini M, De Fanti S, Quagliariello A, Gneccchi Ruscone GA, Guichard R, **Bortolini E**, Barbieri C, Cilli E, Petrilli R, Mikerezi I, Sineo L, Vilar MG, Wells RS, Luiselli D, Pettener D. , *Genomic ancestry of Southern Italy: insights into a complex history of admixture*, poster, 6th International Conference DNA Polymorphism in Human Populations, Musée de l'Homme, Paris, France Decembre 7-9.

Sarno S, Boattini A, Pagani L, Sazzini M, De Fanti S, Quagliariello A, Gneccchi Ruscone GA, Guichard R, **Bortolini E**, Barbieri C, Cilli E, Petrilli R, Mikerezi I, Sineo L, Vilar MG, Wells RS, Luiselli D, Pettener D. , *An ever-changing tapestry of genes and cultures: insights into the genomic ancestry of Sicily and Southern Italy*, poster, XIII Congresso FISV (Federazione Italiana Scienze della Vita), Roma, Italia, September 20-23.

### **2015:**

**Bortolini, E**. Crema, E.R., Lake, M.W. Effective population and phenotype-genotype decoupling in cultural evolution, Society of American Archaeology 80th Annual Meeting, San Francisco, CA, USA; April 15-19.

### **2008:**

Munoz, O., Zazzo, A., Bortolini, E., Seguin, G., Saliège, J.F., Cleuziou, S. *Reconstructing the diet of the ancient fishermen of Ras'al-Hadd, Ras'al-Jinz (Sultanate of Oman) using radiocarbon dates*, Poster presented at the International Conference *African and Arabic Deserts: Environment, Climate and Impact on Population*, Académie des Sciences, Paris, September 8-9.

## **Publications**

### • *Journal Articles*

1. Aneli, S., Mezzavilla, M., **Bortolini, E.**, Pirastu, N., Giroto, G., Spedicati, B., Berchiolla, P., Gasparini, P., Pagani, L., 2022. Impact of cultural and genetic structure on food choices along the Silk Road. *Proceedings of the National Academy of Sciences (PNAS)* 119, e2209311119. <https://doi.org/10.1073/pnas.2209311119>\*\*
2. Gregorio Oxilia, **Eugenio Bortolini**, Giulia Marciani, Jessica C. Menghi Sartorio, Antonino Vazzana, Matteo Bettuzzi, Daniele Panetta, Simona Arrighi, Federica Badino, Carla Figus, Federico Lugli, Matteo Romandini, Sara Silvestrini, Rita Sorrentino, Adriana Moroni, Carlo Donadio, Maria Pia Morigi, Viviane Slon, Marcello Piperno, Sahra Talamo, Carmine Collina, Stefano Benazzi (2022) Direct evidence that late Neanderthal occupation precedes a technological shift in southwestern Italy, *American Journal of Biological Anthropology* 179(1):18-30\*\*
3. Silvestrini S, Lugli F, Romandini M, Real C, Sommella E, Salvati E, Arrighi, S., **Bortolini, E.** et al. (2022) Integrating ZooMS and zooarchaeology: New data from the Uluzzian levels of Uluzzo C Rock Shelter, Rocca San Sebastiano cave and Riparo del Broion. *PLoS ONE* 17(10): e0275614. <https://doi.org/10.1371/journal.pone.0275614>\*\*
4. Figus, C., Stephens, N. B., Sorrentino, R., **Bortolini, E.**, Arrighi, S., Lugli, F., Marciani, G., Oxilia, G., Romandini, M., Silvestrini, S., Baruffaldi, F., Belcastro, M. G., Bernardini, F., Erjavec, I., Festa, A., Hajdu, T., Mateovics-László, O., Novak, M., Pap, I., ... Benazzi, S. (2022). Human talar ontogeny: Insights from morphological and trabecular changes during postnatal growth. *American Journal of Biological Anthropology*, 179( 2), 211– 228. <https://doi.org/10.1002/ajpa.24596>\*\*
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### **Publications for general public/dissemination**

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### **Editorial and reviewer appointments**

**Editorial Board Member**, *Humanities & Social Sciences Communications*, Springer Nature (<https://www.nature.com/palcomms/indexing>)

**Reviewer** for *Science*, *Scientific Reports*, *Nature Palgrave Communications*, *Plos ONE*, *Journal of Anthropological Archaeology*, *Arabian Archaeology and Epigraphy*, *Journal of Oman Studies*, *Ecology and Society*, conference proceedings (Computer Applications and Quantitative Methods in Archaeology), and edited volumes (Jutland Archaeological Society).

### **Professional Affiliations**

**2012–present:** Member of the **International Association for the Study of Arabia**

**2013–2016:** Member of Istituto Internazionale per lo Studio del Mediterraneo e dell'Oriente (**ISMEO**)

**2013–present:** Associate Fellow of the **Higher Education Academy (UK)**

**2013–2017:** Member of the **Society for American Archaeology**

**2015–present:** Member of **Associazione Antropologica Italiana**