

## Associate Professor Beatrice DEMARCHI

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### CURRENT POSITION

2020- **Associate Professor in Archaeological Methods & Director of the *ArchaeoBiomics* Laboratory**  
Department of Life Sciences and Systems Biology, University of Turin, Italy.

### PREVIOUS POSITIONS

2017-20 **Researcher** (Type "B", i.e. tenure-track according to Italian Law 240/2010, **brain-gain** programme "**Young Researchers - Rita Levi Montalcini**" of the Italian Government). Department of Life Sciences and Systems Biology, University of Turin, Italy.

2013-16 **Postdoctoral researcher**. *Eggshell proteomics and biomineralization*. Department of Archaeology, University of York, UK. Funding: EPSRC (UK).

2012-13 **Research group leader** (maternity cover). Department of Chemistry, University of York, UK.

2009-13 **Postdoctoral researcher**. *AAR geochronology of ostrich eggshell*. Department of Chemistry, University of York, UK. Funding: NERC (UK).

### EDUCATION

2012-14 **PGCAP: Postgraduate Certificate of Academic Practice**; Qualification in Teaching in Higher Education; University of York, UK.

2006-10 **PhD in Archaeology**, University of York, UK. Awarded february 2010  
Thesis: *Geochronology of coastal prehistoric environments: a new closed system approach using amino acid racemisation*. Supervisor: Kirsty Penkman.

2004-06 **Master in Science and Technology for Cultural Heritage**. University of Turin, Italy. Awarded 110/110 *cum laude* and "Dignity of Press" (only to outstanding dissertations).

2001-04 **Bachelor in Science and Technology for Cultural Heritage**. University of Turin, Italy. Awarded 110/110 *cum laude*.

### FUNDING AWARDS

2023 **"AviArch - Avifauna in Archaeoecological Networks"**. European research Council **Consol grant, € 2,000,000**

2023 **"MALTHUS. Rise and fall cycles of Bronze age populations in Northern Italy"**, **Ministry of University and Research (Italy), € 285,000 (co-PI)**

2023 **"HEADS: Health, Embalming and Dating: Investigating Life and Death in Ancient Egypt"** **HORIZON-2022-MSCA-PF-EF, € 173,000 (Supervisor of Fellow)**

2023 **"AviCulture: The role of birds in sustainable urban subsistence at Teotihuacan Mexico"** **HORIZON-2022-MSCA-PF-EF, € 188,590 (Supervisor of Fellow)**

2022 **"OESstatic"**, University of Turin - Grant for internationalization, **€ 12,800 (PI)**

2022 **"APICI: First farmers of the Alps - fermented foods and environmental change"**,

- 2022 Cassa di Risparmio di Torino (Italy), € 34,000 (PI)  
Two Millennia of African Farmscapes, Food Production and Consumption”,  
**National Research Foundation (South Africa), € 433,359 (Co-I)**
- 2022 “Developing a high-resolution framework to define human-environment interactions  
across the Middle-to-Later Stone Age transition at Boomplaas Cave”, National  
Science Foundation (United States of America), € 243,619 (collaborator)
- 2022 The evolution of dietary diversity and the transition to agriculture in Europe”,  
**SFI/IRC Pathway (Ireland), € 425,000 (Co-I)**
- 2021 “From text to teeth: the nuns of S. Maria della Stella, Saluzzo (Italy)”  
**Royal Society of Edinburgh (UK), € 23,800 (Co-I)**
- 2021 “Birds as a key line of evidence for human vulnerability and resilience to environmental  
in a pre-agricultural context”, **Independent Research Fund Denmark, € 777,734 (Co-I)**
- 2021 “HERDS. Animal Husbandry and its Economic Role in the Development of  
Central Mediterranean Protohistoric Societies”, **Ministry of University and Research  
(Italy), € 734,785 (Co-I)**
- 2020 “Dairying in the Prehistory of Iberia”, CIDEAGENT (Valencian Region) & Ministerio  
de Asuntos Económicos y Transformación Digital (Spain), € 287,000 (collaborator).
- 2016 “Rita Levi Montalcini grant”, **Ministry of University and Research (Italy). € 217,000 (PI).**
- 2010 **Re(In)tegration Grant, 7th Framework Programme for Research**  
(PERG-GA-2010-268429) € 45,000 (Main researcher).

#### FELLOWSHIPS AND PRIZES

- 2016 FELLOWSHIP: **Marie Skłodowska-Curie Individual Fellowship**. Turned down due to the  
Montalcini award. € 180,000.
- 2016 PRIZE: GSIS **Best Geoscience Reference Work Award** to the *Encyclopaedia of Scientific  
Dating Methods* (authored the main reference article for AAR dating).
- 2008 PRIZE: **Best oral presentation** (British Organic Geochemistry Society, Newcastle).
- 2006-09 FELLOWSHIP: **Marie Skłodowska-Curie Early Stage (PhD) Research fellowship, 6th  
Framework Programme for Research, PALAEO**, University of York, UK.

#### INVITED TALKS

- 1) **keynote talk on palaeoproteomics at the International Symposium of Biomolecular  
Archaeology** (ISBA10 at Tartu, Sep 2023). 2) April **2023**, Dept. Archaeology, University of **Bonn**,  
seminar; 3) February **2023**, Dept. Archaeology, University College **Dublin**, seminar; 4) July **2022**,  
College of Humanities, Arts & Social Sciences, **Flinders University**, Adelaide, seminar; 5) April  
**2022**, Department of Cultural Heritage, **University of Salento**, Lecce, seminar; 6) February **2022**,  
Department of Archaeology, **Max Planck Institute (formerly) for the Science of Human History**,  
Jena, seminar; 7) October **2021**, Department of **Archaeology, University of Cambridge**, seminar in  
the Pitt-Rivers Archaeological Science Seminars series; 8) April **2021**, Department of Archaeology,  
**University of Pisa**, seminar; 9) September **2021**, Summer School “Organics in Archaeology”,  
**University of Pisa**, lecture; 10) March **2019**, **Royal Society of Chemistry Analytical Biosciences**  
ECR Meeting, University of Cambridge, **keynote** lecture; 11) June **2018**, Biogeosciences Research  
Unit, **University of Burgundy**, seminar; 12) February **2018**, **Italian Association of Archaeometry**  
winter school, lecture: 13-16) Public **seminars** - three, different events and locations (**Turin**, 2017);  
17) May **2014**, University of Cantabria, **Santander**, seminar.

#### ORGANISATION OF SCIENTIFIC MEETINGS

- 2025 **President of the Organizing Committee, ISBA 11 - International Symposium of  
Biomolecular Archaeology (palaeoproteomics)** (Torino, Italy).  
<https://www.isbarch.org/meetings>

- 2023 **Member of the Scientific Committee, ISBA 10 - International Symposium of Biomolecular Archaeology (palaeoproteomics)** (Tartu, Estonia)
- 2023 **Session organiser, 13th ICAANE (International Congress on the Archaeology of the Ancient Near East;** Copenhagen, Denmark), “**Resource utilisation & human influence on wetlands**”
- 2023 **Session organiser of the 29th Meeting of the European Association of Archaeologists** (Belfast, Northern Ireland). “**Methods and Models for the Study of Human-Birds Relationships**”
- 2022 **Session organiser, 28th Meeting of the European Association of Archaeologists** (Budapest, Hungary).
- 2018 **Member of the organising committee** of the Italian Association of Archaeometrists’ 10th meeting (Turin, Italy). ~200 participants.
- 2017 **Member of the scientific committee and the organiser committee, Round table coordinator,** Société Zoologique de France/Unione Zoologica Italiana (Turin, Italy). ~200 participants.
- 2014 **Main organiser** of an EPSRC biomineralisation workshop (York, UK). ~ 25 participants.
- 2013 **Session organiser and chair of plenary discussion** of the 19th Meeting of the European Association of Archaeologists (Pilsen, Czech Republic). ~100 participants.
- 2008 **Member of the organising committee** of the International Symposium on Biomolecular Archaeology (York, UK). ~200 participants.

#### **REVIEWING ACTIVITIES**

**Reviewer for Scientific Journals, including: Science, Science Advances, Nature: Scientific Reports, Journal of Anthropological Archaeology, Journal of Archaeological Science, Journal of Archaeological Science: Reports, Archaeometry, Quaternary Science Reviews, Journal of Quaternary Science, Quaternary Geochronology, Geo-Marine Letters, Journal of Sedimentary Research, Quaternary Research, Zoology, Comptes Rendus Geoscience, Chemistry - A, Analytical Chemistry, Chemical Reviews, Zoological Journal of the Linnean Society, Proteomics. Editorial activities.** Recommender for **PCI:Archaeology** (archaeo.peercommunityin.org). Member of Scientific Committee: **ArcheoLogica Data** (mappalab.eu/en/archeologica-data/). **Reviewer for funding bodies.** *National Science Foundation (U.S.A.), Austrian Science Fund (FWF), University of Strasbourg Institute for Advanced Study, European Science Foundation (ESF).*

#### **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

**2022 - ISBA - International Society for Biomolecular Archaeology. Founding Members of the Society Working Groups (Constitution working group).**

2019- **AIAZ** - Associazione Italiana di ArcheoZoologia. Regular Member.

2018- **IIPP** - Istituto Italiano di Preistoria e Protostoria. Regular member.

2018- **AIAr** - Associazione Italiana di Archeometria. Regular member.

2018- **ICAZ** (International Council for Archaeozoology). Regular member.

2013- **EAA**- European Association of Archaeologists. Regular member.

2016-20 **Associate Research Fellow**, Department of Archaeology, University of York (UK)

2015- Fellow of the **Higher Education Academy** (UK)

**CAREER BREAKS:** 12/06/2016 - 29/02/2017: MATERNITY LEAVE