

MUTTILLO Brunella

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Nationality: Italian Date of birth: 30 November 1985

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[Institutional webpage](#)

PROFILE SUMMARY

Dedicated and accomplished academic researcher with a passion for advancing knowledge in prehistoric archaeology. I have a robust research portfolio in Italy and Colombia, focusing on the evolution of material culture during the Palaeolithic.

Currently, I am the director of the Italian Archaeological Mission in Colombia. I have a proven track record of conducting rigorous research, publishing in reputable journals, and effectively collaborating with interdisciplinary teams. I am committed to fostering innovation and critical thinking through my research.

SKILLS

Research
Archaeological excavation
Academic Teaching
Academic Writing
Public Speaking
Project Management

LANGUAGES

Italian: Native
English: Independent
Spanish: Proficient

EDUCATION

Mar 2016. **PhD in Science and Technology for Archaeology and Cultural Heritage**
University of Ferrara, Italy. Degree grade: excellent

Mar 2012. **Master's in Prehistory, Quaternary and Archaeology**
University of Ferrara, Italy. Degree grade: 110/110 cum laude

Dec 2008. **Bachelor's in Science for Cultural and Environmental Heritage**
University of Molise, Italy. Degree grade: 110/110 cum laude

PROFESSIONAL EXPERIENCE

Junior Researcher

University of Siena, Italy - Department of Physical Sciences, Earth and Environment

Dec 2022 – present

- Led a research project investigating the prehistory of Colombia

Professor

University of Siena, Italy - Department of Physical Sciences, Earth and Environment

Mar – Jun 2024

- Developed and taught a course in “Prehistory: Culture and Environment” (48 hours)
BS in Natural and Environmental Sciences

Research Fellow

University of Ferrara, Italy - Department of Humanities

Aug 2021 – Sept 2022

- Conducted research on methodologies and tools for the study and enhancement of prehistoric collections
- Support for the organization and cataloging of the 'P. Leonardi' Museum of the University of Ferrara

Assistant Professor

University of Ferrara, Italy - Department of Humanities

Feb – May 2022

- Monographic course on archaeological documentation with IT and GIS technologies (15 hours)
“Methodologies of Archaeological Research” teaching - BS in Literature, Art and Archaeology
- Monographic course on education and outreach in scientific museums (15 hours)
“Scientific Museology” teaching - BS in Literature, Art and Archaeology

Research Fellow

University of Ferrara, Italy - Department of Humanities

Nov 2020 – Jul 2021

- Conducted research on methods and techniques for archaeological research and educational workshops

Professor University Institute for Higher Studies (IUSS) of Ferrara, Italy	Dec 2020
<ul style="list-style-type: none"> Developed and taught a course in “Ethic in the research, scientific dissemination and communication” devoted to PhD students (6 hours) 	
Professor University Institute for Higher Studies (IUSS) of Ferrara, Italy	Nov 2018
<ul style="list-style-type: none"> Developed and taught a course in “Digital Storage, Cataloging, and Scientific Dissemination” devoted to PhD students (6 hours) 	
Web content editor Archeoldea Cultural Association, Italy	March 2018 – Oct 2020
<ul style="list-style-type: none"> Project Manager of 'LovelyMolise', for the promotion and enhancement of cultural tourism in Molise, funded by Funder35 and Fondazione con il Sud 	
Editor Archeoldea Cultural Association, Italy	Apr 2009 – Jun 2019
<ul style="list-style-type: none"> Editor of “ArcheoMolise”, quarterly magazine of archaeology, art, and history 	

RESEARCH EXPERIENCE

Prehistoric archaeological research in Colombia Italian archaeological mission co-funded by Ministry of Foreign Affairs of Italy	2011 – present
<ul style="list-style-type: none"> Role: Director (from 2022) and Co-Responsible (from 2013) 	
Grotta della Cala (Italy) archaeological excavation Middle Palaeolithic – Bronze age excavation directed by University of Siena (Italy)	2023 – present
<ul style="list-style-type: none"> Role: responsible for material storage and documentation 	
Grotta di Castelcivita (Italy) archaeological excavation Middle - Upper Palaeolithic excavation directed by University of Siena (Italy)	2023 – present
<ul style="list-style-type: none"> Role: responsible for material storage and documentation 	
Grotta Romanelli (Italy) archaeological excavation Middle - Upper Palaeolithic excavation directed by University of Rome ‘La Sapienza’ (Italy)	2015 – present
<ul style="list-style-type: none"> Role: Responsible for lithic analysis 	
SHOWCAVE: a research project to study the environmental impact in tourist caves PRIN project awarded by the Italian Ministry of Education in 2017	2021 – 2022
<ul style="list-style-type: none"> Role: responsible for data collection 	
VALUE: Environmental and cultural heritage development Interreg Italy-Croatia, led by University of Ferrara	2021 – 2022
<ul style="list-style-type: none"> Role: Responsible for public engagement activities 	
Prehistoric research in Indonesian Borneo Italian archaeological mission co-funded by Ministry of Foreign Affairs of Italy	2017 – 2019
<ul style="list-style-type: none"> Role: Co-Responsible 	
Isernia La Pineta and Guado San Nicola (Italy) archaeological excavations Lower Palaeolithic excavation directed by University of Ferrara (Italy)	2008 – 2017
<ul style="list-style-type: none"> Role: Co-Responsible for data treatment and lithic analysis 	

AWARDS AND HONORS

4 Seal of Excellence delivered by the European Commission 2019 – 2022
Project proposal submitted under the Marie Skłodowska-Curie actions
With the University College London (UCL)

- Title project: “Reassessing the Stone Artefacts of Colombia”

"Leonardo da Vinci" Medal for the best original scientific paper 2019
Delivered by Ministry of Education, University and Research of Italy

- Muttillio et al. 2017, “Revisiting the oldest known lithic assemblages of Colombia: A review of data from El Abra and Tibitó (Cundiboyacense Plateau, Eastern Cordillera, Colombia)”, JASR, 13, 455-465.

Best PhD thesis in the Department of Humanities, University of Ferrara (Italy) 2017
Delivered by the University Institute for Higher Studies (IUSS), Ferrara, Italy

- Title: “Invisible Resources: A Study on the Management of Archaeological Museum Storage in Italy”

GRANTS

Grant for Young Researchers May – Aug 2015
Received from University of Ferrara (Italy)

- Direction of an archaeological survey and test pits in Sutatausa, Colombia

Grant for Young Researchers Sep – Dec 2013
Received from University of Ferrara (Italy)

- Conducted the research project “Prehistory in Colombia: a contribution to the study of the material culture of the earliest archaeological sites”

Grant for mobility Aug 2013
University Institute for Higher Studies (IUSS – Ferrara, Italy)

- Conducted the research project “Management of archaeological museum storages in Colombia”

Grant for mobility (Atlante program) Jun 2011
Received from University of Ferrara (Italy)

- Conducted the research project “The early human settlement of Sabana de Bogotá, Colombia”

MENTORSHIP AND TUTORING

Tutoring of 6 volunteers May 2021 – May 2022
Museum of Paleontology and Prehistory, University of Ferrara

Assistant supervisor of a BS thesis 2021
BS in Literature, Art and Archaeology, University of Ferrara

Assistant supervisor of 2 Master’s thesis 2014, 2020
MS in Quaternary, Prehistory and Archaeology, University of Ferrara

OTHER INFORMATION

- 2017 – present. Evaluator in Horizon 2020 and Horizon Europe (Id expert EX2017D307991)
- 2020 – present. Paper’s reviewer of papers on European and South American prehistory submitted to Journal of Quaternary Science, Quaternary International, PlosONE, Journal of Lithic Studies, Journal of Mediterranean Earth Sciences, Latin American Antiquity

PUBLICATIONS

MONOGRAPHS

1. **Muttillio, B** 2017, *Le risorse invisibili. Indagine sulla gestione dei depositi museali e sulla movimentazione dei beni archeologici in Italia*, Aracne Editrice, ProgettArte, Roma. ISBN 978-88-255-0197-1.

CURATORSHIPS

2. **Muttillio, B**, Cangemi, M & Peretto, C (eds) 2015, *Le risorse invisibili. La gestione del patrimonio archeologico e scientifico tra criticità e innovazione*, Atti del convegno del 29 settembre 2014, Ferrara, Annali dell'Università di Ferrara, 11/1.
3. **Muttillio, B**, Lembo, G & Peretto, C (eds.) 2014, *L'insediamento a bifacciali di Guado San Nicola (Monteroduni, Molise, Italia)*, Annali dell'Università di Ferrara, 10/1A, Ferrara.

PEER-REVIEWED JOURNAL PUBLICATIONS

4. Falcucci, A, Arrighi, S, Spagnolo, V, Rossini, M, Higgins, O A, **Muttillio, B**, Martini, I, Crezzini, J, Boschin, F, Ronchitelli, A, Moroni, A 2024, 'A pre-Campanian Ignimbrite techno-cultural shift in the Aurignacian sequence of Grotta di Castelcivita, southern Italy', *Scientific Reports* 14, 12783. Doi: <https://doi.org/10.1038/s41598-024-59896-6>
5. Thun Hohenstein, U, **Muttillio, B**, Lembo, G, Turrini, MC, Arzarello, M, Sala, B, Peretto, C 2023, 'Edaphic modifications vs anthropic activities at the Acheulean site of Guado San Nicola (Monteroduni, Isernia): a taphonomic perspective', *Journal of Mediterranean Earth Sciences*, 15. Doi: <https://doi.org/10.13133/2280-6148/18327>
6. **Muttillio, B** 2023, 'La preistoria in Colombia', *Archeo Monografie, L'archeologia italiana nel mondo*, agosto 2023, 56, p. 153.
7. Pieruccini, P, Forti, L, Mecozzi, B, Iannucci, A, Yu, T, Shen, C, Bona, F, Lembo, G, **Muttillio, B**, Sardella, R, Mazzini, I 2022, 'Stratigraphical reassessment of Grotta Romanelli sheds light on Middle-Late Pleistocene palaeoenvironments, sea-level history and human settling in the Mediterranean', *Scientific Reports*. Doi: <https://doi.org/10.21203/rs.3.rs-1527156/v1>
8. Mecozzi, B, Buzi, C, Iannucci, A, Micarelli, I, Bona, F, Forti, L, Lembo, G, Manzi, G, Mazzini, I, **Muttillio, B**, Pieruccini, P, Ranaldo, F, Sigari, D, Sardella, R 2022, 'New human fossil from the latest Pleistocene levels of Grotta Romanelli (Apulia, southern Italy)', *Archaeological and Anthropological Sciences*, 14, 27. Doi: <https://doi.org/10.1007/s12520-021-01491-1>
9. Russo Ermolli, E, Masi, A, Vignola, C, Di Lorenzo, H, Masci, L, Bona, F, Forti, L, Lembo, G, Mazzini, I, Mecozzi, B, **Muttillio, B**, Pieruccini, P, Sardella, R, Sadori, L 2022, 'The pollen record from Grotta Romanelli (Apulia, Italy): New insight for the Late Pleistocene Mediterranean vegetation and plant use', *Review of Palaeobotany and Palynology*, 297, 104577. Doi: <https://doi.org/10.1016/j.revpalbo.2021.104577>
10. Sigari, D, Mazzini, I, Conti, J, Forti, L, Lembo, G, Mecozzi, B, **Muttillio, B** 2021, 'Birds and bovids: new parietal engravings at the Romanelli Cave, Apulia', *Antiquity*, 95/384, 1387-1404. Doi: <https://doi.org/10.15184/aqy.2021.128>
11. **Muttillio, B**, Lleras Pérez, R, Rufo, E, Lembo, G 2021, 'Revisiting the lithic industries of El Abra sites (Sabana de Bogotá, Colombia, Northern South America). Implications for its significance and chronology', *Quaternary International*, 578, 36-45. Doi: <https://doi.org/10.1016/j.quaint.2020.06.006>
12. **Muttillio, B**, Lembo, G, Gallotti, R 2021, 'Lithic productions during the first half of the Middle Pleistocene (MIS 19-12) in the Italian peninsula: an overview', *Alpine and Mediterranean Quaternary*, 34/1, 1-21. Doi: <https://doi.org/10.26382/AMQ.2021.05>
13. Berruti, GLF, Arzarello, M, Ceresa, A, **Muttillio, B**, Peretto, C 2020, 'Use-Wear Analysis of the Lithic Industry of the Lower Palaeolithic Site of Guado San Nicola (Isernia, Central Italy)', *Journal of Paleolithic Archaeology*, 3, 794-815. Doi: <https://doi.org/10.1007/s41982-020-00056-3>
14. Moncel, M-H, Ashton, N, Arzarello, M, Fontana, F, Lamotte, A, Scott, B, **Muttillio, B**, Berruti, G, Nenzioni, G, Tuffreau, A, Peretto, C 2020, 'Early Levallois core technology between Marine Isotope Stage 12 and 9 in Western Europe', *Journal of Human Evolution*, 139, 102735. Doi: <https://doi.org/10.1016/j.jhevol.2019.102735>
15. **Muttillio, B**, Berruti, GLF, Lleras Pérez, R, Peretto, C, Rufo, E, Lembo, G 2019, 'New insights on the oldest lithic assemblages of Tibitó and El Abra sites (Sabana de Bogotá, Eastern Cordillera, Colombia)', *PaleoAmerica*, 5/4, 309-314. Doi: <https://doi.org/10.1080/20555563.2019.1701944>

16. Sardella, R, Iurino, DA, Mecozzi, B, Sigari, D, Bona, F, Bellucci, L, Coltorti, M, Conti, J, Lembo, G, **Muttillio, B**, Mazzini, I 2019, 'Grotta Romanelli (Lecce, Southern Italy) between past and future: new studies and perspectives for an archaeo-geosite symbol of the Palaeolithic in Europe', *Geoheritage*, 11:1413-1432. Doi: <https://doi.org/10.1007/s12371-019-00376-z>
17. Calcagnile, L, Sardella, R, Mazzini, I, Giustini, F, Brilli, M, D'Elia, M, Braione, E, Conti, J, Mecozzi, B, Bona, F, Iurino, DA, Lembo, G, **Muttillio, B**, Quarta, G 2019, 'New radiocarbon dating results from the upper Paleolithic-Mesolithic levels in Grotta Romanelli (Apulia, southern Italy)', *Radiocarbon*, 61/5, 1211-1220. Doi: <https://doi.org/10.1017/RDC.2019.8>
18. **Muttillio, B** 2019, 'Museum Archaeological Collection Storage: reassessing needs and priorities', *Tafer Journal*, 105, pp. 1-6, 15/5/2019, <<http://www.taferjournal.it/2019/03/15/museum-archaeological-collection-storage-reassessing-needs-and-priorities/>>
19. Sardella, R, Mazzini, I, Giustini, F, Mecozzi, B, Brilli, M, Iurino, DA, Lembo, G, **Muttillio, B**, Massussi, M, Sigari, D, Tucci, S, Voltaggio, M 2018, 'Grotta Romanelli (Southern Italy, Apulia): legacies and issues in excavating a key site for the Pleistocene of the Mediterranean', *Rivista Italiana di Paleontologia e Stratigrafia*, 124/2, 247-264. Doi: <https://doi.org/10.13130/2039-4942/9983>
20. Giustini, F, Bona, F, Brilli, M, Conti, J, D'Agostino, A, Lembo, G, Mazzini, I, Mecozzi, B, **Muttillio, B**, Sardella, R 2018, 'An introduction to the early Holocene eolian deposits of Grotta Romanelli, Apulia, Southern Italy', *Alpine and Mediterranean Quaternary*, 31, 135-139, <https://amq.aiqua.it/index.php/amq/article/view/203>
21. **Muttillio, B**, Lembo, G, Rufo, E, Peretto, C, Lleras Pérez, R 2017, 'Revisiting the oldest known lithic assemblages of Colombia: A review of data from El Abra and Tibitó (Cundiboyacense Plateau, Eastern Cordillera, Colombia)', *Journal of Archaeological Science: Reports*, 13, 455-465. Doi: <https://doi.org/10.1016/j.jasrep.2017.04.018>
22. Arnaud, J, Arzarello, M, Lembo, G, **Muttillio, B**, Peretto, C, Rufo, E 2017, 'Between "vintage" and "avant-guard", the Lower Palaeolithic settlements in Molise region (Italy)', *Quaternary International*, 450, 5-11. Doi: <https://doi.org/10.1016/j.quaint.2016.07.054>
23. Pereira, A, Nomade, S, Shao, Q, Bahain, J-J, Arzarello, M, Douville, E, Falguères, C, Frank, N, Garcia, T, Lembo, G, **Muttillio, B**, Scao, V, Peretto, C 2016, '40Ar/39Ar and ESR/U-series dates for Guado San Nicola, Middle Pleistocene key site at the Lower/Middle Palaeolithic transition in Italy', *Quaternary Geochronology*, 36, 67-75. Doi: <https://doi.org/10.1016/j.quageo.2016.08.005>
24. Peretto, C, Arzarello, M, Bahain, J-J, Boulbes, N, Dolo, J-M, Douville, E, Falguères, C, Norbert, F, Garcia, T, Lembo, G, Moigne, A-M, **Muttillio, B**, Nomade, S, Pereira, A, Shao, Q, Rufo, M, Sala, B, Thun Hohenstein, U, Tessari, U, Turrini, MC, Vaccaro, C 2016, 'The Middle Pleistocene site of Guado San Nicola (Monteroduni, Central Italy) on the Lower/Middle Palaeolithic transition', *Quaternary International*, 411, 301-315. Doi: <https://doi.org/10.1016/j.quaint.2015.11.056>
25. Peretto, C, Arnaud, J, Moggi-Cecchi, J, Manzi, G, Nomade, S, Pereira, A, Falguères, C, Bahain, J-J, Grimaud-Hervé, D, Berto, C, Sala, B, Lembo, G, **Muttillio, B**, Gallotti, R, Thun Hohenstein, Vaccaro, C, Coltorti, M, Arzarello, M 2015, 'A Human Deciduous Tooth and New 40Ar/39Ar Dating Results from the Middle Pleistocene Archaeological Site of Isernia La Pineta, Southern Italy', *PLoS ONE*, 10/10, 1-19. Doi: <https://doi.org/10.1371/journal.pone.0140091>

BOOK CHAPTERS

26. **Muttillio, B**, Berruti, GLF, Lleras Pérez, R, Peretto, C, Rufo, E, Lembo, G 2018, 'Revisiting the lithic industries of El Abra site (Sabana de Bogotá). Implications for its significance and chronology in the broader context of the early human peopling of Colombia', in *9 Simposio Internacional 'El hombre temprano en América. La gente y sus lugares', abstracts*, 121-124.
27. **Muttillio, B** 2015, 'Terra Amata in the context of the Acheulean industries of Western Europe', in H de Lumley (ed), *Terra Amata, Nice, Alpes-Maritimes, France. Les industries acheuléennes. Étude de l'outillage. Planches de dessins et de photographies de l'industrie lithique*, tome IV, fascicule 1, CNRS Éditions, Paris, 757-760.
28. **Muttillio, B**, Lembo, G, Peretto, C 2014, 'Introduzione', in B Muttillio, G Lembo & C Peretto (eds), *L'insediamento a bifacciali di Guado San Nicola (Monteroduni, Molise, Italia)*, Annali dell'Università di Ferrara, volume 10/1A (2014), Ferrara, 3-4.
29. Lembo, G, Muttillio, B, Peretto, C 2014, 'Il sito di Guado San Nicola', in B Muttillio, G Lembo & C Peretto (eds), *L'insediamento a bifacciali di Guado San Nicola (Monteroduni, Molise, Italia)*, Annali dell'Università di Ferrara, volume 10/1A (2014), Ferrara, 5-12.

30. **Muttillio, B**, Arzarello, M, Peretto, C 2014, 'L'industria litica in selce', in B Muttillio, G Lembo & C Peretto (eds), *L'insediamento a bifacciali di Guado San Nicola (Monteroduni, Molise, Italia)*, Annali dell'Università di Ferrara, volume 10/1A, 79-142.

PEER-REVIEWED CONFERENCE PROCEEDINGS

31. **Muttillio, B** 2018, 'Il patrimonio invisibile dei musei. Indagine sulla gestione dei depositi museali archeologici in Italia', in F Pignataro, S Sanchirico, C Smith, *museum.dià. Chronos, Kairòs e Aion. Il tempo dei musei – Il Convegno Internazionale di museologia* (Roma, 26-28 maggio 2016), Fondazione Dia Cultura, 81-396.
32. **Muttillio, B** 2015, 'Indagine sulla gestione dei depositi museali e sulla movimentazione dei beni archeologici in Italia', in B Muttillio, M Cangemi & C Peretto (eds), *Le risorse invisibili. La gestione del patrimonio archeologico e scientifico tra criticità e innovazione*, Annali dell'Università di Ferrara, volume 11/1:69-72.
33. **Muttillio, B**, Lembo, G, Rufo, E, Peretto, C, Lleras Pérez, R, 2014, 'La preistoria in Colombia nell'ambito del primo popolamento del continente americano. Un contributo allo studio della cultura materiale dei più antichi siti archeologici', in C Peretto, M Arzarello e J Arnaud (eds), *Variabilità umana tra passato e presente, XX Congresso dell'AAI, Atti*, Annali dell'Università di Ferrara, Museologia Scientifica e Naturalistica, 10/2:42-47.

MAIN PRESENTATIONS TO INTERNATIONAL CONFERENCES (as main author/speaker)

- **"Reassessing the oldest archaeological evidence in Colombia"** 19 July 2023
International Union for Quaternary Research (INQUA) Congress
Sapienza Università di Roma (Italy)
- **"Las industrias líticas más antiguas de la Sabana de Bogotá, Colombia"** 21 Dec 2022
Facultad de Ciencias Ambientales, Universidad Tecnológica de Pereira, Colombia
Invited presentation
- **"Colombia: the origins of the early human peopling of South America"** 21 Feb 2022
Associazione Archeologica Ticinese, Lugano, Switzerland. Invited presentation
- **"Grotta Romanelli (Lecce): archaeological excavations 2015-2021"** 21 Oct 2021
Università Sapienza di Roma, Roma, Italy. Invited presentation
- **"Showcave: a project to study the environmental impact in tourist caves"** 7 Sept 2021
XIX UISPP (International Union of Prehistoric and Protohistoric Sciences), online
- **"Revisiting the lithic industries of El Abra site, Sabana de Bogotá, Colombia"** 29 Nov 2018
IX international Symposium on Early man in America, Necochea, Argentina
- **"New insights on the oldest lithic assemblages of El Abra and Tibitó, Colombia"** 9 June 2018
XVIII UISPP (International Union of Prehistoric and Protohistoric Sciences)
Sorbonne University, Paris
- **"The first peopling of the Italian peninsula"** 30 Oct 2017
Department of Archaeology, Udayana University of Bali, Indonesia. Invited presentation
- **"The controversial journey of the early inhabitants of the Americas"** 17 Feb 2016
TourismA International Archaeology Congress, Firenze (Italy)
- **"The archaeological site of Guado San Nicola (Isernia, Italy)"** 29 March 2014
International congress, Colloque de la Fondation des Treilles
Tourtour (France). Invited presentation
- **"The Middle Pleistocene site of Guado San Nicola (Monteroduni, Central Italy)"** 11 Sept 2013
XX Congress of Italian Anthropologists, University of Ferrara, Italy
- **"Prehistory of Colombia in the context of the human peopling of the Americas"** 11 Sept 2013
XX Congress of Italian Anthropologists, University of Ferrara, Italy.