

CURRICULUM VITAE

DR. LAURA TASSONI

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WORK EXPERIENCE

Fellow Research at the BRAVHO laboratory August 2024-October 2025
Department of Chemistry “Giacomo Ciamician” at Bologna University

- Collecting samples from archaeological materials and conducting chemical analyses for radiocarbon dating, including statistical evaluation and data management;
- Overseeing the operation and maintenance of laboratory instruments such as the Elemental Analyzer, AGE3 graphitization system, and standard chemistry lab equipment, as well as managing consumable inventories;
- Organizing laboratory workflows and guiding the work of master’s degree students;
- Handling database maintenance, administrative tasks, and communication with clients and collaborators;
- Taking part in archaeological digs and research activities across Central Europe;
- Presenting research findings at international conferences and scientific meetings.

Technician of the BRAVHO laboratory July 2021-July 2024
Department of Chemistry “Giacomo Ciamician” at Bologna University

- Sampling on archaeological finds and performing chemical analysis for radiocarbon dating, statistics and data processing;
- Managing the laboratory equipments such as Elemental Analyzer, AGE3 graphitization system and general instrument of a chemistry laboratory and consumable supplies;
- Planning laboratory activities and supervising master students work;
- Taking care of database updating, administrative procedures and submitter relations.

Freelance Archaeologist
Kora s.r.l. June 2020 - July 2021
Studio archeologico Malfitano Negri April – June 2019

- Monitoring and conducting emergency archaeological excavations;
- Updating and organizing the documentation for Archaeological and Cultural Heritage Superintendence;

- Coordinating different professional figures and managing time schedules.

Tour guide

R.T.I HOMO 3.0 Mulino Simbeni

August 2017

- Delivering guided tours to groups up to 10 visitors;
- Explaining archaeological details in Italian, English and Spanish.

EDUCATION

PhD Alma Mater Studiorum - University of Bologna November 2025-Today
 Department of Chemistry "Giacomo Ciamician"
 Project aim: Refinement of radiocarbon dating techniques applied to Middle and Upper Paleolithic sites in Central Europe founded by FIS-2023-01196 POOL.

MA Università degli Studi di Ferrara January 2017-March 2019
 Major in Archaeology – LM02
 Traineeship at University of Siena, 2018-2019
 Thesis: “*The marine shell ornaments in the Uluzzian and Proto-Aurignacian of Grotta di Castelcivita and Grotta della Cala (Salerno, southern Italy); a taxonomic, taphonomic and experimental study*” (Italian)
 Note: 110/110 Cum Laude
 Advisors: Profs. Marco Peresani and Adriana Moroni
 Co-advisor: Profs. Annamaria Ronchitelli and Giuseppe Manganeli

BA Università degli Studi di Ferrara September 2013- December 2016
 Major in Conservation and restoration of cultural heritage – L43
 Thesis: “*The land snail assemblage of Grotta di Fumane and Riparo del Broion (NW Italy) as indicators of microhabitat in the Upper Pleistocene*” (Italian)
 Note: 110/110 Cum Laude
 Advisor: Prof. Marco Peresani
 Co-advisor: Dr. Manuela Giovannelli

HONORS AND AWARDS

Erasmus plus Fellowship January 2016-June 2016
 Funding for a student exchange program at Universidad Autónoma de Madrid, Spain

PUBLICATIONS

Journal Publications

2025 - Talamo, S., Casaccia, N., Richards, M. P., Wacker, L., **Tassoni, L.**, Nadachowski, A., [...] & Valde-Nowak, P. Boomerang and bones: Refining the chronology of the

- Early Upper Paleolithic at Oblazowa Cave, Poland. *PLoS One*, 20(6), e0324911. doi.org/10.1371/journal.pone.0324911
- 2025 - Falcucci, A., Kitagawa, K., Doyon, L., **Tassoni, L.**, Higham, T., Dominici, C., [...] & Moroni, A. Revisiting the Early Aurignacian in Italy: New Insights from Grotta della Cala. *Quaternary Science Reviews*, 366, 109471. doi.org/10.1016/j.quascirev.2025.109471
- 2025 - Alzate-Casallas, G., Gomes, A. I., Ferar, N., Talamo, S., **Tassoni, L.**, Cascalheira, J., & Barbieri, A. Close to sunlight or deep underground? New data to reconstruct site formation processes at the Middle Paleolithic Escoural cave (southern Portugal). *Quaternary Science Reviews*, 368, 109550. doi.org/10.1016/j.quascirev.2025.109550.
- 2025 - Bacon, A. M., Düringer, P., Ponche, J. L., Delabarde, T., Joannes-Boyau, R., Talamo, S., **Tassoni, L.**, [...] & Galipaud, J. C. The Burial from Aleti Tunu Bibi Cave, Atauro Island, East Timor: A Possible Victim of a Crocodile Attack?. *Asian Perspectives*. [10.1353/asi.2025.a971263](https://doi.org/10.1353/asi.2025.a971263).
- 2024 - Yavuz, O. E., Oxilia, G., Silvestrini, S., **Tassoni, L.**, Reiter, E., Drucker, D. G., [...] & Posth, C. Biomolecular analysis of the Epigravettian human remains from Riparo Tagliente in northern Italy. *Communications Biology*, 7(1), 1415. doi.org/10.1038/s42003-024-06979-9.
- 2024 - Ferrara S., **Tassoni L.**, Kromer B., Wacker L., Friedrich M., Tonini F., Lastilla L., Ravanelli R., Talamo S. The invention of writing on Rapa Nui (Easter Island). New radiocarbon dates on the Rongorongo script. *Scientific Reports* 14, 2794 (2024). doi.org/10.1038/s41598-024-53063-7.
- 2024 - **Tassoni L.** et al. Safe preparation and delivery of graphite targets for ¹⁴C analysis: Procedures of BRAVHO lab at Bologna University. *Radiocarbon*. 2023:1-11. [doi:10.1017/RDC.2023.43](https://doi.org/10.1017/RDC.2023.43)
- 2024 - **Tassoni, L.**, Peresani, M., Benazzi, S., & Romandini, M. Studio tafonomico dei recenti ritrovamenti di conchiglie dulciacquicole e marine nei livelli uluzziani e tardo musteriani del Riparo del Broion, Colli Berici (VI). In Atti del 9 Convegno Nazionale di Archeozoologia (pp. 77-82). Associazione Italiana di Archeozoologia.
- 2023 - Morales J.I., Cebrià A., Soto M., Rodríguez-Hidalgo A., Hernando R., Moreno-Ribas E., [...], Talamo S., **Tassoni L.**, Lalueza-Fox C., Fullola J.M., Rosas A. A new assemblage of late Neanderthal remains from Cova Simanya (NE Iberia). *Front. Earth Sci.* 11:1230707. [doi: 10.3389/feart.2023.1230707](https://doi.org/10.3389/feart.2023.1230707)
- 2023 - Romandini M., Silvestrini S., Real C., Lugli F., **Tassoni L.**, et al. Late Neanderthal “menu” from northern to southern Italy: freshwater and terrestrial animal resources. *Quaternary Science Reviews*, Volume 315, 2023, 108233, doi.org/10.1016/j.quascirev.2023.108233
- 2023 - Talamo S., Friedrich M., Adolphi F., Heaton T.J., Cercatillo S., Muscheler R., Paleček D., Pelloni E., **Tassoni L.**, Toniello V., Wacker L. Atmospheric radiocarbon levels were highly variable during the last deglaciation. *Commun Earth Environ* 4, 268 (2023). doi.org/10.1038/s43247-023-00929-9
- 2022 - Silvestrini S., Romandini M., Marciani G., Arrighi S., Carrera L., Fiorini A., López-García J.M., Lugli F., Ranaldo F., Slon V., **Tassoni L.**, et al. Integrated multidisciplinary ecological analysis from the Uluzzian settlement at the Uluzzo C

- Rock Shelter, south-eastern Italy. *J. Quaternary Sci*, 37: 235-256. doi.org/10.1002/jqs.3341
- 2022 - Blasco R., Cochard D., Colonese A.C., Laroulandie V., Meier J., Morin E., Rufà A., **Tassoni L.**, Thompson J. Small animal use by Neanderthal. Romagnoli, F. Rivals, S. Benazzi (Eds.), *Updating Neanderthals. Understanding Behavioural Complexity in the Late Middle Palaeolithic*, Academic Press (2022), pp. 123-143. doi.org/10.1016/B978-0-12-821428-2.00010-X
- 2020 - Spagnolo V., Crezzini J., Marciani G., Capecchi G., Arrighi S., Aureli D., Ekberg I., Scaramucci S., **Tassoni L.**, Boschin F., Moroni A. Neandertal camp and hyena den. Living floor 150A at Grotta dei Santi (Monte Argentario, Tuscany, Italy). *Journal of Archaeological Science: Reports*, 30, 102249. <https://doi.org/10.1016/j.jasrep.2020.102249>.
- 2020 - Arrighi S., Moroni A., **Tassoni L.**, et al. Bone tools, ornaments and other unusual objects during the Middle to Upper Palaeolithic transition in Italy. *Quaternary International*, 551, 169-187. doi.org/10.1016/j.quaint.2019.11.016
- 2020 - Arrighi S., Bortolini E., **Tassoni L.**, et al. Backdating systematic shell ornament making in Europe to 45000 years ago. *Archaeological and Anthropological Sciences*, 12, 59. doi.org/10.1007/s12520-019-00985-3
- 2020 - Spagnolo, V., Crezzini, J., Marciani, G., Capecchi, G., Arrighi, S., Aureli, D., [...], **Tassoni, L.**, Ricci, S., Boschin, F. & Moroni, A. (2020). Grotta De'Santi (Argentario). Cronache da una pagina di sabbia. In L'Argentariana, Rivista di Cultura del Centro Studi Don Pietro Fanciulli (Vol. 14, pp. 3-11).
- 2017 - Peresani, M., Delpiano, D., Duches, R., Gennai, J., Marcazzan, D., Nannini, N., [...], **Tassoni L.**, Aleo, A., Cocilova, A. & Benazzi, S. Il Musteriano delle unità A10 e A11 a Grotta di Fumane (VR). Risultati delle campagne di scavo 2014, 2016 e 2017. Sezione di Museologia Scientifica e Naturalistica, 13, 98-100.

CONFERENCE

- (Poster) - **Tassoni L.**, Anghelinu M., Händel M., Picin A., Talamo S. The BRAVHO ¹⁴C Chain: Enhancing Radiocarbon Accuracy at the Upper Paleolithic Site of Cotu Miculinți (Eastern Romania). *15th European Society for the study of Human Evolution - Paris, France - September 25th to 27th, 2025*.
- (Poster) - **Tassoni L.**, Kromer B., Friedrich R., Wacker L., Friedrich M., Paleček D., Pelloni E., Talamo S. Safe delivery of graphite targets to AMS facilities, to minimize contamination. The final step of BRAVHO laboratory at Bologna University. *24th Radiocarbon and the 10th Radiocarbon & Archaeology Conferences (11th – 16th September 2022)*.
- (Poster) - **Tassoni L.**, Peresani M., Benazzi S., Romandini M. Conchiglie dulciacquicole e marine nei Colli Berici. Studio tafonomico dei recenti ritrovamenti nei livelli Paleolitico medio e superiore”. *9° Convegno Nazionale di Archeozoologia, Ravenna (28 novembre-1 dicembre 2018)*.
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FIELDWORK AND LABORATORY EXPERIENCE

- 2024 Field crew member and manager responsible for sample selection for radiocarbon (^{14}C) dating at the Golema Pešht, North Macedonia, under the direction of Prof. Ljiljana Shalamanov-Korobar and Prof. Andrea Picin.
- 2022 Field crew member in Portugal, contributing to the collection of tree samples for improving the radiocarbon calibration curve, under the ERC-RESOLUTION Project led by Prof. Sahra Talamo.
- 2019 Taxonomic and taphonomic analysis of marine shells assemblage of **Uluzzo C** cave (Nardò-Lecce, souther Italy), Middle to Upper Paleolithic units.
- 2019 Crew supervisor and co-director of Grotta dei Santi (Grosseto, center of Italy) excavation, Middle Paleolithic units.
- 2018-2019 Master's thesis: taxonomic, taphonomic and experimental analysis of marine shells assemblage of **Grotta della Cala** and **Grotta di Castelcivita**, Uluzzian and Proto-Aurignacian levels, Master's dissertation.
- 2018 Taxonomic and taphonomic analysis of marine shells assemblage of **Grotta del Cavallo** (Nardò-Lecce, souther Italy), Uluzzian units.
- 2018 Taxonomic and taphonomic analysis of marine shells assemblage of **Grotta dei Santi** (Grosseto, center of Italy), Middle Paleolithic units.
- 2018 Field crew member on the **Grotta di Castelcivita** (Salerno, southern Italy) excavation from Middle to Upper Paleolithic period, directed by A. Ronchitelli, University of Siena.
- 2017 Field crew member on the **Grotta dei Santi** (Grosseto, center of Italy) excavation from Middle Paleolithic period, directed by A. Moroni (2017) and V. Spagnolo (2019) both from University of Siena.
- 2017, 2018 Field crew member on the **Arma Veirana cave** (Savona, northwestern Italy) excavation from Middle to Upper Paleolithic period, directed by F. Negrino (University of Genova), S. Benazzi (University of Bologna), J.M. Hodgkins and C. Orr (University of Denver, USA), C. Miller (University of Tubinga, German), M. Peresani (University of Ferrara), J. RielSalvatore (University of Montreal, Canada) and D. Strait (Washington University, St. Louis, USA).
- 2016 Bachelor's thesis: taxonomic and taphonomic analysis of land snail shells assemblage of **Grotta di Fumane** and **Riparo del Broion** (nothwestern Italy), Upper Paleolithic units.
- 2016, 2017 Field crew member on the **Grotta di Fumane** (Verona, northwestern Italy) excavation from Middle to Upper Paleolithic period, directed by M. Peresani, University of Ferrara.
- 2015 Field crew member on the open-air site of **Isernia "La Pineta"** (Isernia, southern Italy) excavation, in the Lower Paleolithic units, directed by C. Peretto, University of Ferrara.
- 2014, 2015, 2017 Field crew member on the **Grotta della Cala** (Salerno, southern Italy) excavation characterize by prehistoric and protohistoric cultures, directed by A.
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LANGUAGES

Italian: Native Language

English: Advanced Listener, Speaker and Writing, Advanced-Superior Reading

Spanish: Advanced-Superior Speaker and Listener, Intermediate Writing and Reading

French: Intermediate Listener, Speaker, Reading and Writing

TECHNICAL SKILLS

- High knowledge for Microsoft Office 365 (Word, PowerPoint, Excel, Access), Adobe Acrobat, Adobe Photoshop, OriginPro, QGIS and CAD;
- Excellent use of radiocarbon laboratory equipment such as Elemental Analyzer, AGE3 graphitization system and general instrument of a chemistry laboratory;
- Familiarity with statistical software analysis and calculus;
- Expert in photo and video making/editing;
- Adept with excavation equipment (digging tools, total station, shooting photos for 3d models, etc.);
- Familiarity with optical microscope and scanning electron microscope.

SOFT SKILLS

- *Teamworking: 5/5*
- *Adaptability: 4/5*
- *Problem solving: 5/5*
- *Stress management: 4/5*
- *Work planning: 5/5*