



TOR VERGATA
UNIVERSITÀ DEGLI STUDI DI ROMA
Dipartimento di Biologia



DIPARTIMENTO DI
SCIENZE STORICHE E
DEI BENI CULTURALI
DIPARTIMENTO DI ECCELLENZA 2023-2027



UNIVERSITÀ
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DIPARTIMENTO DI CHIMICA
"UGO SCHIFF"



Ca' Foscari
University
of Venice

Department of Environmental
Sciences, Informatics and Statistics

PRIN 2022 Final Meeting

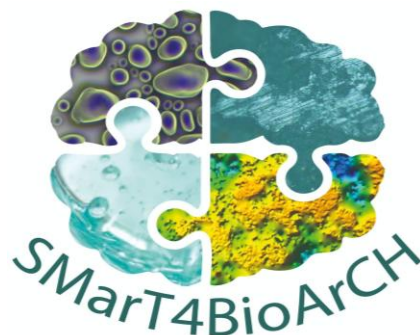
Back to
the wild

**"Uncovering the Italian Neolithic
phytoculture by an archaeo-biomolecular
strategy"**

Project Code: 20224YCT2L,
CUP: E53D23007440006

**"Reversible adsorbent smart materials for
molecular archaeology to disclose Palaeolithic
stone tools as bio-archives"**

Project Code: 2022XX8BRT,
CUP: B53DZ3014020006



Florence, 13rd February 2026

Museo e Istituto Fiorentino di Preistoria «Paolo Graziosi»
via dell'Oriuolo, 24 Firenze

Scientific coordination: Prof. Angelo Gismondi (University of Rome 'Tor Vergata'),
Prof. Giovanna Pizziolo (University of Siena), Prof. Luigi Dei (University of Florence),
Prof. Elena Badetti (University of Venice 'Ca' Foscari').



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PROGRAMME

Morning Session. Presentation of the two PRIN 2022 Projects

- 10,30 am **Fabio Martini**, President of the Museo e Istituto Fiorentino di Preistoria "Paolo Graziosi": remarks and welcome address
- 10,45 am **Angelo Gismondi**, University of Rome "Tor Vergata", PI of the PRIN 2022 Project "BACK TO THE WILD: uncovering the Italian Neolithic phytoculture by an archaeo-biomolecular strategy"
- A biological approach to unlock ancient plant secrets*
- 11,05 am **Luigi Dei**, University of Florence, PI of the PRIN 2022 Project "SMarT4BioArCH. Reversible adsorbent smart materials for molecular archaeology to disclose Paleolithic stone tools as bio-archives"
- A chemical approach to build bio-archives by extraction of unaltered starch grains*
- 11,25 am **Giovanna Pizziolo**, Responsible of the University of Siena, Partner in the PRIN 2022 Project "BACK TO THE WILD"
- Methodological approach and research potentialities in the archaeological perspective*
- 11,45 am **Elena Badetti**, Responsible of the University of Venice "Ca' Foscari", Partner in the PRIN 2022 Project "SMarT4BioArCH"
- Archaeological starch: limits, challenges and new perspectives*
- 12,05 pm **Mario Federico Rolfo**, University of Rome "Tor Vergata", Partner in the "BACK TO THE WILD" Project
- The Neolithic levels of Grotta Mora Cavorso (Jenne – Rome), 20 years of research: a retrospective overview*
- 12,25 pm **Emiliano Carretti**, University of Florence, Partner in the "SMarT4BioArCH" Project
- Soft materials for the conservation and the restoration of cultural heritage, from cleaning gels to reversible adhesives*
- 12,45 pm Discussion

Lunch break



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Afternoon Session. Presentation of the achieved results

- 2,00 pm **Francesca Porpora**, PostDoc Fellow, University of Florence
Reversible adhesives for the recovery of starch grains from archaeological lithic artifacts: synthesis and characterization of the innovative smart materials
- 2,30 pm **Giusi Sorrentino**, PostDoc Fellow, University of Venice «Ca' Foscari»
From lab to field: experimental testing and application of reversible adhesives in archaeological contexts
- 3,00 pm **Chiara De Marco**, PostDoc Fellow, University of Siena
Archaeological contexts and artifacts: sampling pottery in the archaeological perspective
- Gaia Mustone** PostDoc Fellow, University of Siena
Lithic artifacts and use-wear analysis in the archaeological perspective
- Emanuela Cristiani**, University of Rome «La Sapienza»
The analysis of ground tools: critical issues, results and potentialities
- Mauro Buonincontri**, PostDoc Fellow, University of Siena
Anthracological analysis: approaches and results
- 4,00 pm **Alessia D'Agostino**, PostDoc Fellow, University of Rome "Tor Vergata"
Past plant stories written in soil, pottery, and teeth
- 4,30 pm Round Table with Stakeholders
Comparison of methods and approaches developing future perspectives
- 5,30 pm Closing remarks