



UNIVERSITÀ  
DEGLI STUDI  
DI TRIESTE



Dipartimento di  
**Fisica**  
Dipartimento d' Eccellenza 2023-2027

SYMPOSIUM

FREE ENTRY

# Beyond Bones

Applying Innovative Scientific Approaches to Paleontology and Archaeology

**11<sup>th</sup> October** 14:30 - 19:00

Conference hall - Ex ospedale militare  
Via Fabio Severo 40, Trieste

Embark on a journey through paleontology and archaeology, **where the past meets the future.** Aimed at **researchers** and **University students**, this symposium explores several stimulating techniques, ranging from **proteomics** to **isotope analysis** and **X-ray imaging**. These methods, which continue to be subjects of ongoing **research in physics and chemistry**, promise to reshape our **understanding of the past**. Eminent **speakers will discuss the most recent developments and new imaging methods for paleontology and archaeology.** The symposium will be held in English, without translation. Interested citizens are also welcome to join.

INFO

[ginevra.lautizi@phd.units.it](mailto:ginevra.lautizi@phd.units.it)

**14:30**

**Institutional greetings**

**15:00**

**Vincent Fernandez**

Paleontologist - beamline scientist  
at the European Synchrotron in Grenoble ESRF

**Synchrotron X-ray tomography in natural and cultural heritage**

**15:40**

**Amélie Beudet** (remote)

Paleoanthropologist - CNRS junior professor  
at PALEVOPRIM lab in Poitiers

**Insights from the inside: imaging techniques applied to biological anthropology**

**16:20**

**Federico Bernardini**

Archaeologist - researcher  
at the Venice Centre for Digital and Public Humanities (VeDPH)

**X-ray computed microCT and other complementary methods in archaeology**

**17:00**

**Coffee break**

**17:40**

**Enrico Greco**

Chemist - researcher and assistant professor  
at the University of Trieste

**Proteomics and metabolomics analysis for the detection of food, nutraceuticals, and psychotropic substances in archaeological findings**

**18:20**

**Jeremy Martin**

Paleontologist - CNRS researcher  
at ENS Lyon and University of Lyon

**Non-traditional stable isotopes in paleodietary studies**

Chair: **Ginevra Lautizi**

PhD student in Physics  
at the University of Trieste - OptImaTo lab

