

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

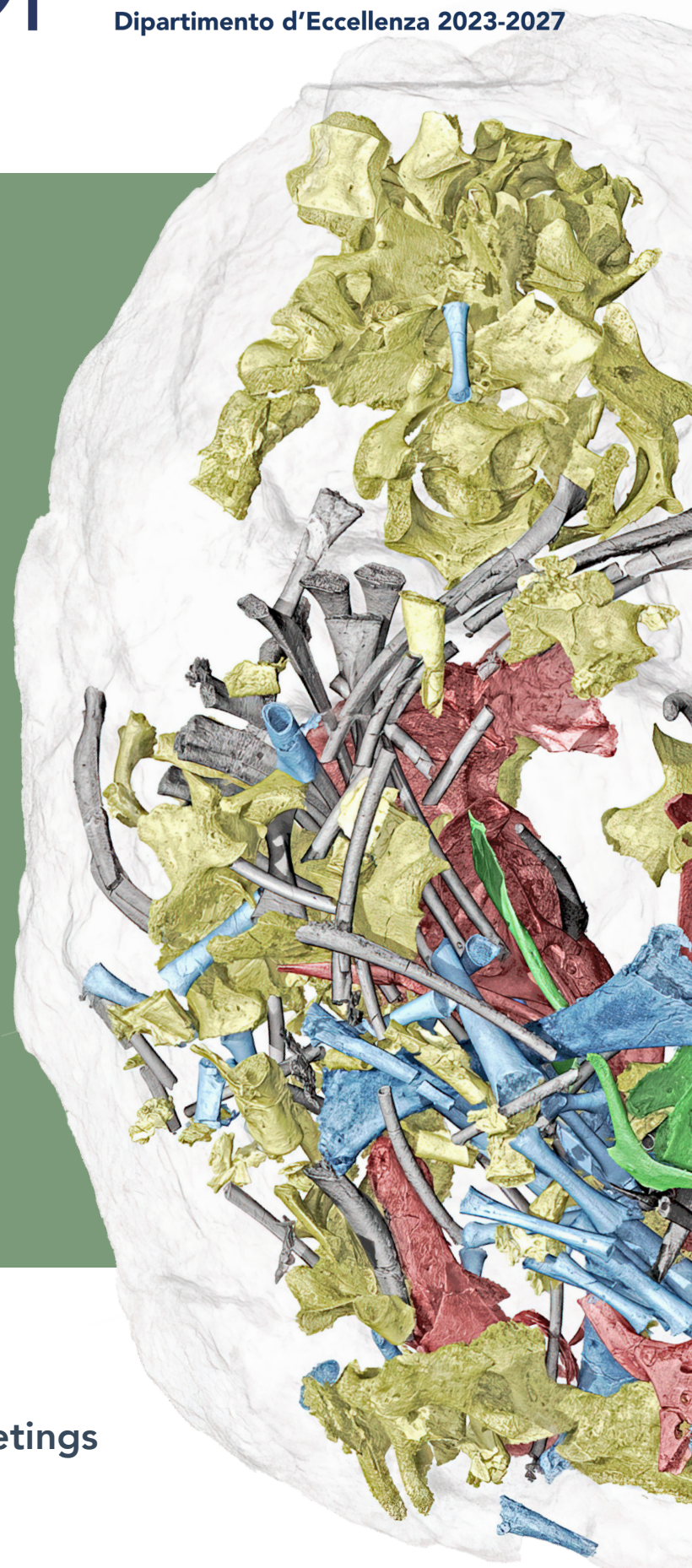
11th October 14:30 - 19:00

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



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 Beaudet (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

