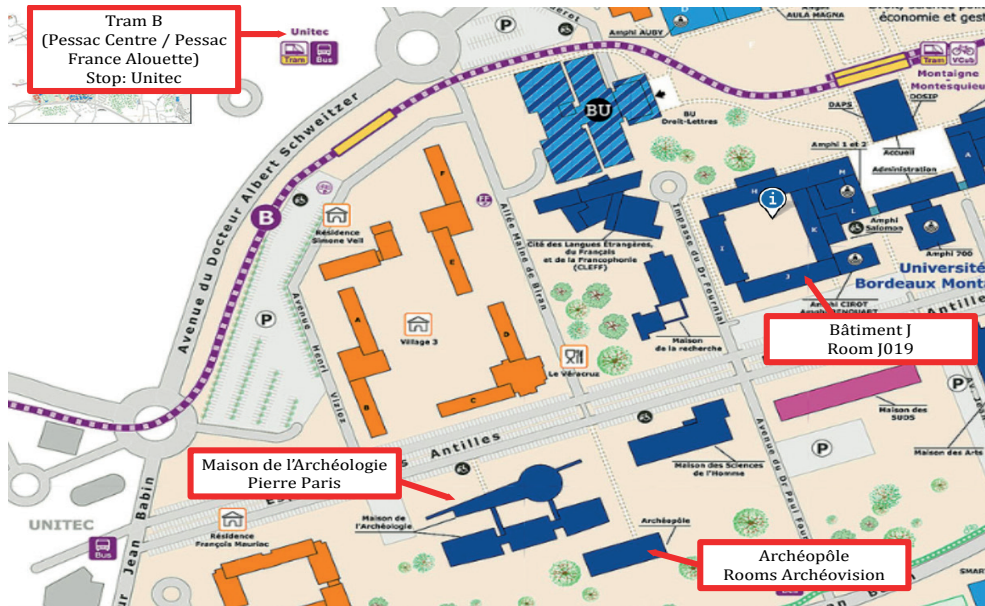
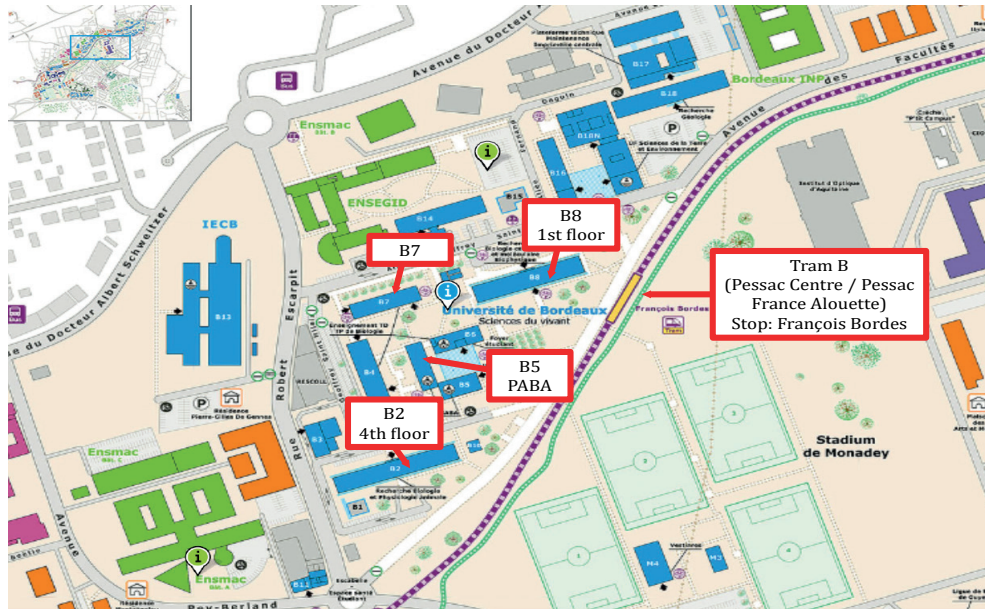


Meeting Venues



Summer School



Bordeaux, June 30-July 5, 2025



List of Speakers

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Keynote Speakers

Petra HERMANKOVA (Aarhus, Denmark, Assistant Professor)
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Paul O'HIGGINS (Hull York Medical School, UK, Professor)
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Nicolas ZWYNS (PACEA, Assistant Professor)
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Organisation

Path leaders

3D Archeology at a macroscopic scale (site, object): «Macroscale»:

Bruno DUTAILLY (PACEA/Archéosciences Bordeaux, CNRS Research Engineer)
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Geometric Morphometrics: «Morphometrics»:

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3D Archeology at a microscopic scale (surfaces): «Microscale»:

Alain QUEFFELEC (PACEA, CNRS Research Engineer)
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Digital approaches to Epigraphy: «Epigraphy»:

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Monday, June 30, 2025

Core Curriculum

Introduction - Location: Building B5, Amphitheater PABA	
8h15-8h45	Welcome/Registration
8h45-9h00	Welcome Speech [A. Le Cabec]
9h00-9h30	Introductory Lecture: 3D imaging [P. Bayle]
9h30-10h00	Open Science [A. Queffelec]
10h00-10h30	Epistemology of the Digital Revolution [M. Lequin]
10h30-10h45	Coffee Break
10h45-12h45	Introductory Keynote [A. Le Cabec-N. Vanderesse]
12h45-14h00	Lunch Break
Lect. Macroscale - Location: Building B5, Amphitheater PABA	
14h-15h30	Landscape archaeology [K. Genuite]
15h30-16h00	Coffee Break
16h00-17h00	Deep in 3D acquisition and modeling [M. Rouca]
17h15-18h00	Using geometric morphometrics to investigate organismal form and function [P. O'Higgins]
18h00-19h00	Cocktail

Tuesday, July 1, 2025

Core Curriculum

Lect. Morphometrics- Location: Building B5, Amphitheater PABA	
8h30-10h30	An Introduction to Morphometrics [L. Courtenay]
10h30-11h00	Coffee Break
11h00-12h00	A presentation on landmarks-free methods [L. Courtenay-N. Martin]
12h00-13h30	Lunch Break
Lect. Microscale - Location: Building B5, Amphitheater PABA	
13h30-16h30	What is 3D surface analysis? [L. Doyon-A. Queffelec]
16h30-18h00	Visit of the micro-CT scanner at PLACAMAT [N. Vanderesse-A. Le Cabec]

Wednesday, July 2, 2025

Core Curriculum+Path applications

Lect. Networks - Location: Building B5, Amphitheater PABA				
8h30-10h30	Digital approaches to Epigraphy [A. Dalla Rosa]			
10h00-10h30	Coffee Break			
10h30-12h00	Advances statistical approaches to epigraphic data [A. Dalla Rosa-P. Guérin]			
12h00-13h30	Lunch Break			
Location	Archeovision	Amphi B5 PABA	B8+B2	Pierre Paris
Path appl.	Macroscale	Morpho.	Microscale	Epigraphy
13h30-15h30	Points, mesh, raster, textures [K. Genuite-B. Dutailly]	An overview dilemmas to tackle in geo. morpho. [A. Souron -L. Courtenay-Y. Heuzé]	Concrete appl. at PACEA [L. Doyon-A. Queffelec]	AI - epigraphic texts [A. Dalla Rosa-N. Prévôt-P. Guérin]
15h00-15h30	Coffee Break			
	Point cloud & mesh manipulation			
15h30-16h00	3D to 2D with GIS	Coffee Break		
16h00-17h00	[K. Genuite]	Continuation		
Keynote- Location: Building B5, Amphitheater PABA				
17h15-18h00	The Paleolithic of Mongolia in the digital era [N. Zwyns]			

Thursday, July 3, 2025

Practicals

Location	Archeovision	B8	B2	J019/Musée d'Aquitaine
Path appl.	Macroscale	Morpho.	Microscale	Epigraphy
8h30-10h00	Lasergram. practice [K. Genuite]	Data segment. Avizo 3Dslicer [A. Thibeault Y. Heuzé]	Confocal microscopic acquisition [L. Doyon- A. Queffelec]	Data representativity [A. Dalla Rosa -N. Prévôt]
10h00-10h30	Coffee Break			
	Continuation			
12h00-13h30	Lunch Break			
13h30-15h30	Photogram. [K. Genuite- D. López-Onaindia]	2D landmarking TPSdig [A. Souron- L. Courtenay]	Cleaning acquisitions [L. Doyon]	3D modeling for epigraphic texts [H. González Bordas]
15h00-15h30	Coffee Break	Archaeological 3D reconstruct. [M. Rouca]	Coffee Break	
15h30-16h00				
16h00-17h00			3D landm. Avizo/3Dslic. [A. Thibeault -Y. Heuzé]	Continuation
Keynote- Location: Building B5, Amphitheater PABA				
17h15-18h00	Dental Microwear Texture Analysis on Teeth: State of the Art and New Challenges [G. Merceron]			

Friday, July 4, 2025

Practicals

Location	Archeovision	B8	B2	J019
Path appl.	Macroscale	Morpho.	Microscale	Epigraphy
8h30-10h00	Dissemination: computed vs real time VR Demo [L. Espinasse- F. Daniel]	Morpho. analyses R [S. Bédécarrats -F. Santos]	Extract textural data ExOsTech Bank [L. Doyon]	9h: Spatial analysis of historical & epigraphic data [C. Culioli- C. Coutelier]
10h00-10h30	Coffee Break			
	Continuation			
12h00-13h30	Lunch Break			
13h30-15h30	From 3D data to analysis & valorisation [K. Genuite- D. López- Onaindia]	Continuation	Making fig.& tables for publication [L. Doyon]	Continuation
15h30-16h00	Coffee Break			
16h00-17h00	Continuation	Morpho. analyses Morpho] [Y. Heuzé]	Continuation	
Keynote- Location: Odéon, Archéopôle				
17h15-18h00	From Stone to Computer: Challenges and Perspectives of Digital Epigraphy [P. Hermankova]			
18h00-19h00	Cocktail			

Saturday July 5, 2025

Fieldtrip - La Chaise de Vouthon



Meeting point: Allée Geoffroy Saint-Hilaire, in front of the B8 building, on the side of the parking lot.

Departure (bus): 8h

The cave of La Chaise-de-Vouthon is situated over the Tardoire valley, tributary of the Charente, in the Vouthon town. This cave currently has three rockshelters connected between them: abri Suard, abri Bourgeois-Delaunay and abri Duport (now renamed David-Debénath). These rockshelters correspond to sites that are well known because of the long history of the research on them, the long Middle Palaeolithic stratigraphic sequences, but also because of the many Neanderthal remains recovered from abri Suard and abri Bourgeois-Delaunay. Indeed, this cave has been explored and excavated by different teams since the 1870s.

Since 2024, a new team works in the site with the objective of understanding and integrating the data obtained from the bibliographic work and the study of the classical collections, with new data obtained in the field. For this purpose, the project integrates digital archaeology approaches to integrate all the archaeological data in a single spatial system.

Based on a 3D model documented with a Laser scan (Lidar), this project is based over a 3D topographical reference model that recovers the references of the old excavations. Therefore, this 3D topographical model allows:

- i) referencing information from the old excavations by Debénath (coordinated remains, old topographical grid, stratigraphic descriptions and samplings for various analyses);
- ii) to document in the most possible integrated and interdisciplinary way the site in the current state and the new work (new stratigraphic descriptions, new samplings for dating, new remains).



Cave of La Chaise-de-Vouthon (Charente, France)
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