



<b>Date of publication of the job offer:</b> 03/06/2026
<b>Job title:</b> Research Technician (ref. MELIS-PSR-INDF-2026-18)
<b>Research line:</b> <i>generació de dades i anàlisis genòmics d'ADN per l'estudi de la biodiversitat</i>
<b>Project and Institution that finance the contract:</b> AL06316 - Max Planck Institute
<b>Job description:</b> <p>The Comparative Genomics Group is seeking a highly motivated candidate to join the team as a technician at the interface of ancient DNA, genomics, and evolutionary biology. The successful candidate will contribute to research projects involving the analysis of archaeological, historical, and museum specimens.</p> <p>The position will support two complementary research lines. The first focuses on the evolution of mosquitoes through the integration of historical and modern genomic data from the genera <i>Aedes</i>, <i>Culex</i>, and <i>Anopheles</i>, with the goal of investigating urban adaptation, pesticide resistance, and pathogen dynamics over time. The second research line centers on human and pathogen genomics, including kinship and ancestry analyses of remains from the Monastery of Pedralbes (Barcelona), as well as metagenomic analyses of ancient dental samples for the detection and characterization of pathogens. Additional projects include demographic analyses of extinct species, such as <i>Numenius tenuirostris</i>, and museomics studies using historical insect collections.</p> <p>The technician will be responsible for supporting the processing and analysis of genomic data, implementing and maintaining bioinformatic workflows, managing large-scale sequencing datasets, and assisting with population genomic, metagenomic, and pathogen-screening analyses. The position will also involve contributing to the optimization of analytical pipelines for low-input and degraded DNA and supporting the integration of ancient and modern genomic datasets across diverse study systems.</p>
<p>We are looking for a highly motivated candidate fulfilling the following requirements at the time of initiating the contract.</p> <p><b>Minimum requested requirements</b></p> <ul style="list-style-type: none"><li>● Batxillerat/ (FP II)</li></ul> <p><b>Other requirements</b></p> <ul style="list-style-type: none"><li>● Master in Functional Genomics or similar</li><li>● Degree in Biology or related biosciences</li><li>● Experience in genomic analysis of ancient and/or highly degraded DNA samples</li><li>● Conduct kinship, ancestry, and population genomic analyses</li><li>● Apply metagenomic approaches for pathogen detection in ancient samples</li></ul>



- Develop and optimize bioinformatics pipelines for low-input and degraded DNA
- Contribute to museomics projects using historical insect collections
- Interpret results and contribute to scientific publications
- Ability to work independently and collaboratively in an interdisciplinary environment
- Background in population genetics and/or metagenomics samples
- Good communication skills in English
- Capacity of work independently and as part of a team

**Expected remuneration:** annual gross salary (full time) between 29.979,98€- 31.723,94€

**Group and complement:** Group III (level between u-p)

**Dedication and working time:** part time, 25 hours per week

**Selection criteria:**

1. *Academic background: 0-20 points.*

2. *Professional experience/Appropriateness to the proposed profile: 0-60 points.*

3. *Other achievements: 0-20 points.*

*Minimum score to pass the selection process: 80 points.*

**Selection Committee:**

President: Tomàs Marquès

Member 1: Alba Duch

Member 2: Berta Alsina

**Information on the application process.**

Send CV by mail to [recruitment.melis@upf.edu](mailto:recruitment.melis@upf.edu) It is **mandatory** to specify the following code **REF: MELIS-PSR-INDF-2026-18** in the email subject to be part of the selection process. Moreover, all extra documents that want to be attached need to be in PDF format.

**Deadline to submit applications:** 17/06/2026



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