

TEMPLATE FOR ADVERTISING RESEARCH POSTS

based on indications given by par. 4.4.1 of the
"Report of the Working Group of the Steering Group of Human Resources Management under the
European Research Area on Open, Transparent and Merit-based Recruitment of Researchers"

Recruiting Department/Research Unit: Department of Law

Title: Study of the accumulation mechanism of ethanol and its metabolites in larvae isolated from cadaveric material.

Offer description:

This project has two objectives: the first is to evaluate the variations in the growth cycle of necrophagous insects that have fed on a substrate in which ethyl alcohol is present (for thanatochronological purposes). The second is aimed at studying the metabolism of insects to understand whether ethyl alcohol is metabolised once ingested by the insect (for toxicological purposes).

The overall duration of the project will be 12 months.

The project involves the following stages:

1. Sampling, Research and Development:

- Sampling and breeding of necrophagous insects endemic to the province of Macerata.
- Formation of study colonies and growth of guinea pigs.

2. Evaluation and Monitoring:

- Collection, in each study group, of samples in each state of growth, measurement and subsequent recognition of the species through morphological investigation and subsequent genetic confirmation.
 - Analysis for the research of ethanol and ethyl glucuronide using gas chromatography techniques with 2wq
3. Interpretation activities of the results and evaluations of the data obtained.

Researcher career profile:

- *R2 Recognised Researcher (PhD holders or equivalent who are not yet fully independent)*

For further details <https://euraxess.ec.europa.eu/europe/career-development/training-researchers/research-profiles-descriptors>

Location: Macerata, Italy

Type of contract:

- *temporary*

Job status

- *full time*

Expected start date and duration of the contract: 12 (twelve) months. The exact start date will be provided after the selection process.

Annual gross salary: € 14.000,00

Selection criteria: Master's Degree in Chemistry or Biology and PhD in Law and Biology

Preferential selection criteria:

1. proven research experience in the same field of this research call;
2. scientific publications in the same field of this research call;
3. good skills in one European foreign language.

Application deadline: 15/02/2024, 1 p.m.

Full details are available at: <https://www.unimc.it/it/ateneo/bandi-e-concorsi/finanziamenti-ricerca/borseattivitaricerca>

Enquiries can be made to Ufficio Ricerca Scientifica e Dottorato – ufficio.ricerca@unimc.it

DISCLAIMERS

- The University of Macerata has adopted an OTM-R (Open, Transparent and merit-based Recruitment) policy within the framework of its Human Resources Strategy for Researchers; see <https://www.unimc.it/it/ricerca/hrs4r/la-policy-otm-r-open-transparent-and-merit-based-recruitment-of-researchers>
- The University of Macerata pursues an equal opportunities and diversity policy as well. Among facilities, a kindergarten is available for university's employees. Specific facilities and services are also dedicated to employees with disabilities (transportation services, specific technologies for studying).