

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

Title: Analytical Techniques for the Detection of New Psychoactive Substances (NPS) in hair matrices

Offer description:

New Psychoactive Substances (NPS), also known as "legal highs" or "designer drugs," are predominantly synthetic compounds with psychotropic effects. Many of these substances are still poorly understood and not all are included in national or international controlled substance legislation. The rapid evolution of these substances, combined with the difficulty in identifying them using traditional methods, makes their monitoring in forensic contexts essential.

The project aims to develop and optimize an analytical protocol for the detection and identification of NPS in hair matrices, such as hair and body hair, using advanced mass spectrometry and chromatography techniques. Hair matrices are particularly useful in forensic investigations as they provide information on the timeline of substance consumption and can track drug use over a long period.

The total duration of the project will be 12 months.

Researcher career profile:

- *R1 First Stage Researcher (up to the completion of PhD)*

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 Euro

Selection criteria:

Master's Degree in Chemistry or 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:

21/03/2025, ore 12.00 p.m.

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

Enquiries can be made to Ufficio Ricerca nazionale e open science – 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).