



Società Chimica Italiana  
Divisione di Spettrometria  
di Massa

<http://www.spettrometriadi massa.it>

## DSM Speciale GIOVANI: lavori in corso ....

### Posizioni aperte riguardanti la spettrometria di massa

**3 Years Post doc position**

Department of Mathematics and Physics  
Università degli Studi della Campania "Luigi Vanvitelli"  
Caserta  
Italy

**Descrizione sintetica:** L'attività di ricerca riguarda lo sviluppo e l'applicazione di metodologie isotopiche per la determinazione dei tassi di infiltrazione di acqua, nell'ottica di una procedura di Quality Assurance, in materiali e dispositivi da utilizzare nell'ambito dell'esperimento KM3NeT (Cubic Kilometer Neutrino Telescope). Si prevede lo sviluppo e la validazione di procedure analitico-sperimentali basate sull'esposizione di materiali in camera iperbarica contenente acqua isotopicamente marcata e la misura indiretta dei tassi di infiltrazione di acqua attraverso misure di rapporti isotopici con spettrometria di massa e con metodologie di analisi con fasci ionici accelerati.

Importo lordo 27 k€

**Brief description:** The research activity concerns the development and application of isotope methodologies for the determination of water infiltration rates, in the context of a Quality Assurance procedure, in materials and devices to be used in the framework of the KM3NeT (Cubic Kilometer Neutrino Telescope) experiment. Research activity is mostly focused onto the development and validation of analytical and experimental procedures based on the exposure of materials in a hyperbaric chamber containing isotopically marked water and the indirect measurement of water infiltration rates by measurements of isotope ratios by mass spectrometry and ion beam analysis.

Gross salary 27 k€

**Info:**

Prof. Fabio Marzaioli

Università della Campania "Luigi Vanvitelli"

Mathematics and Physics Department

Centre for Isotopic Research on Cultural and Environmental heritage

e-mail: [fabio.marzaioli@unicampania.it](mailto:fabio.marzaioli@unicampania.it)



## **C3A - Centro Agricoltura, Alimenti, Ambiente – Avviso di selezione per il conferimento di n. 1 assegno di ricerca (Decreto n. 03/2021)**

Area scientifico-disciplinare: CHIM 01

Responsabile della ricerca (Tutor): prof.ssa Federica Camin

Titolo della ricerca:

**Caratterizzazione isotopica compound specific per la tracciabilità di prodotti agroalimentari**

Oggetto della ricerca:

**Sviluppo di metodi di analisi dei rapporti tra isotopi stabili di componenti specifiche per la caratterizzazione e la tracciabilità dell'origine di prodotti agroalimentari, utilizzando spettrometria di massa isotopica (IRMS) interfacciata a sistemi GC e LC**

Importo lordo assegno: Euro € 19.370,00 annuali

Luogo di svolgimento dell'attività: C3A FEM– San Michele all' Adige (Trento)

Durata del contratto: 24 mesi indicativamente dal 15.02.2021

Bando al sito:

<https://www.unitn.it/ateneo/bando/66329/c3a-centro-agricoltura-alimenti-ambiente-avviso-di-selezione-per-il-conferimento-di-n-1-assegno-di-r>



A **3-year postdoctoral fellowship** is immediately available in the Bonaldi Group “*Nuclear Proteomics to Study Gene Expression Regulation in Cancer*”, at the **Department of Experimental Oncology at the European Institute of Oncology (IEO) in Milan**, to develop a project focused on the molecular characterisation of the protein-methyl-proteome by MS approaches and the **assessment of the functional role of protein-methylation in cancer cellular processes**, from DNA damage to integrated stress response. We are looking for an enthusiastic, motivated person, with a proven track record in **biochemistry, proteomics**, or eventually molecular biology. Experience with the statistical and functional analysis of large, quantitative data is highly appreciated. Strong initiative and ability to work independently and drive the project forward are essential.

The post-doctoral fellow will develop his/her research within the framework of a AIRC-funded Investigator Project, where cutting-edge proteomics approaches will be implemented for the **in-depth analysis of the extent and dynamics of the human methyl-proteome**, in response to various external cues and to its pharmacological modulation by epigenetics drugs.

**Requirements:**

- PhD in one of the following discipline: Biology, Molecular Biology, Biochemistry, Analytical chemistry, Molecular Medicine;
- Strong motivation and research commitment;
- Excellent analytical and organization skill;
- Optimal communication skills, especially in written English;
- Commitment to apply for competitive funding for young scientists

Competitive salaries will depend on the candidate's track record and experience.

The operating language of the lab is English.

The position is initially for 12 months, with possibility of extension upon to 3 years, upon positive assessment of the first 12-months activity

The **European Institute of Oncology** is a highly influential cancer research institute in Europe. The IEO operates as a Comprehensive Cancer Center, linking fundamental and applied research to clinical activities, patient care and clinical trials. The department of Experimental Oncology (DEO) is currently composed of ~300 scientists working in 17 independent research groups and units. Various cutting-edge Technology Units support the activity of the research groups. DEO is located within a scientific campus, together with two other partner institutions: the FIRC Institute of Molecular Oncology (IFOM) and the Italian Institute of Technology (IIT). The IEO is one of the 13 members of the **EU-LIFE alliance** to promote excellence in life sciences in Europe. The TB group is member of the **EPIC-XS** European consortium, promoting development and accessibility of excellence proteomics science in Europe and participate to the **Alliance Against Cancer (ACC)** network.

*IEO is an equal opportunity employer committed to excellence through diversity.*

Applicants should contact Dr. Tiziana Bonaldi, sending an e-mail with a cover letter/description of interests and a CV at: [tiziana.bonaldi@ieo.it](mailto:tiziana.bonaldi@ieo.it).

Submission deadline: 28 February 2021

<https://www.ieo.it/en/RESEARCH/People/Researchers/Bonaldi-Tiziana/>

**PREMIO DSM-SCI 2021**

*In memoria di Cecilia Testa*

PER GIOVANI OPERANTI NEL CAMPO  
DELLA SPETTROMETRIA DI MASSA

**Scadenza: 15 luglio 2021**

## Prossimi Eventi



e a breve molti altri ...



.....

<http://www.spettrometriadi massa.it>