

<b>Job Offer Announcement</b>		<b>Vacancy Code 130_CRI_MSC</b>
Job title	Post doc in Metagenomics screening and characterization of bioactive microbial compounds	
Job description	<p>A Post-Doc position under the supervision of Dr. Duccio Cavalieri is available in the Comparative Genomics unit, Computational Biology Centre of the Research and Innovation Centre.</p> <p>The candidate should evaluate the effects of microorganisms and natural compounds with different cell-based assays to identify novel molecules with potential anti-microbial or anti-inflammatory effects</p>	
Duties / Tasks	<ul style="list-style-type: none"> <li>- Organize collection and/or selection of natural bioactive compounds;</li> <li>- Test the effects of microbial communities, including fungi, on human cell lines and or primary cell cultures;</li> <li>- Apply, depending on the species used, different assays to identify the activity of these compounds on fitness, viability, oxidative stress rescue or specific marker of inflammation;</li> <li>- Carry out the necessary molecular techniques, data generation, and bioinformatics to understand the way of action of the molecule</li> </ul>	
Keywords	Metagenomics, high throughput screening, cell-based assays, fungi, cell culture	
Contract type and length, Level	Project collaboration contract, 12 months (Contratto di collaborazione coordinata e continuativa a progetto)	
Languages knowledge <i>from Common European Framework of Reference for Languages (CEFR)</i>	English (B1) or higher. Preference will be given to candidates who are able to draft their own research papers in advanced English	
IT knowledge	Standard word-processing. Preference may be given to candidates with experience in bioinformatics	
Required title to join the selection	PhD in Genomics, (Molecular) Biology, Natural Sciences, Pharmacy, Medicine, or equivalent, or at least 3 years of documented experience in research	
Required experience	PhD with experience in molecular biology, microbiology, cell culture. Experience with transcriptional data generation and interpretation. Experience with in vitro cell culturing, skin modelling and immunology would be an advantage.	
Psychosocial skills	Enthusiasm for research questions and the approach addressed in the project; strong motivation for pursuing collaborative and independent research, a good track record in this field; capacity to work in a multi-disciplinary research team; commitment to group activity in terms of publications and ideas.	
Supervisor	Duccio Cavalieri	
Summary of entry requirements	1. PhD in Genomics, (Molecular) Biology, Natural Sciences, Pharmacy, Medicine, or equivalent, or at least 3 years of documented experience in research	

### **Application**

To apply for the position the applicants should send a message mentioning in the subject the recruiting code (130\_CRI\_MSC) to the email account **curricula@fmach.it** including the following items:

1. an up-to-date CV (Please add the following phrase to your CV otherwise your application will not be considered: *I consent to the use of my personal data in accordance with the provisions of decree 196/2003*). Save your file in this way: **Surname Name\_cv.doc** or **.pdf**;
2. the filled application form available online *130\_CRI\_MSC\_Application*. Save your file in this way: *Surname Name\_af.doc*;

### **Deadline**

The deadline for the submission of the applications is **September 30th, 2013**.

### **Short list candidates**

FEM will short-list the applicants. We will notify the short-list candidates for an interview in San Michele or for a phone interview. The other candidates will be notified at the end of the recruiting procedure.

### **Information about CRI**

The Research and Innovation Centre of the foundation (CRI), with more than 300 employees, has a mission to promote and enhance the Trentino land-based economy through studies and innovation that improve agricultural and environment products and enhance the quality and nutritional value of food products. It sustains the region's environmental resources through development and promotion of low-impact agricultural practices, study and preservation of biodiversity, and characterisation of alpine and subalpine ecosystems. The centre operates fully integrated research programs and state-of-the-art platform technologies to deliver innovative solutions and competitive products for our stakeholders and end-user communities.

### **Equal opportunities**

The position is open to both genders, Law n. 903, 9/12/1977, art. 1. The policy and practice of the Edmund Mach Foundation require that all staff are offered equal opportunities within employment.

### **Data treatment**

All data supplied by applicants will be used only for the purposes of determining their suitability for the position and will be held in accordance with the principles of the Personal Data Protection Code, Legislative Decree no. 196 of 30 June 2003. By sending the Cv and application, the candidate consent and authorize the Foundation to the use of his/her personal data.