

Job Offer Announcement		Vacancy Code: 124_CRI_EBM
Job title	Postdoctoral researcher in macrobiome-microbiome interactions	
Job description	<p>A postdoc position is available in the Biodiversity and Environment Group at the Department of Biodiversity and Molecular Ecology, in the Research and Innovation Centre.</p> <p>The Province of Trento has recently funded an incoming team project entitled ‘Worms and germs’: an ecological approach to understanding how gut bacteria (microbiome) interact with the parasitic helminths (macrobiome), or ECOBIOME. Within this larger study, the Post-doctoral scientist will use a host-parasite model (wild rodents - gut microbiome - intestinal worms) to conduct collaborative research on the microbiome of helminths in the gut of wild rodents (both pathogenic and non-pathogenic components). This is an ambitious project with potentially important implications for human health.</p> <p>The applicant will collaborate with an ECOBIOME PhD student and with collaborators at Cardiff University. The post will require mainly intensive laboratory and bioinformatics work, although limited field work may also be required.</p>	
Duties / Tasks	<ul style="list-style-type: none"> • Organize collection and/or selection of helminth samples in collaboration with a PhD student; • Characterize and quantify the community of gut bacteria (microbiome) of the gut helminths from wild rodents using appropriate metagenomic approaches and technology; • Determine the role of parasitic helminths in introducing bacteria to the gut microbiome; • Carry out the necessary molecular techniques, data generation, and bioinformatics and train the PhD student in these skills where necessary; • Present scientific results (oral presentation) at at least one appropriate conference and prepare at least 3 scientific articles for high impact ISI peer-review journals 	
Keywords	Rodent ecology, microbiome, macrobiome, health, metagenomics , bioinformatics	
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 and database software. Preference may be given to candidates with experience in bioinformatics and specifically in development of pipelines for analysis of new-generation sequencing data; however, training will be provided where necessary.	

Required title to join the selection	PhD in Genomics, (Molecular) Biology, Natural Sciences, Veterinary Medicine, or equivalent
Required experience	PhD with experience in molecular biology, NGS, bioinformatics and/or (meta)genomics, preferred. Experience in parasitology, small mammal trapping, wildlife disease, and/or rodent ecology 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 both in the laboratory and in the field; commitment to group activity in terms of publications and ideas.
Supervisors	Sarah Perkins (with Heidi Hauffe)

Application

To apply for the position the applicants should send a message mentioning in the subject the recruiting code (**124_CRI_EBM**) to the email account **curricula@fmach.it** including 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**;

Deadline

The deadline for the submission of the applications is **April 28, 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 250 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.