Job Offer Announcement	**Vacancy Code 152_CRI_RMM**
Job title	Researcher in Molecular Microbiology – Recruiting for the formation of ranking for temporary employee contract
Job description	This project will study the potential of Trentino foods to improve human health. Whole plant foods, certain dairy products and probiotics are emerging as components of a healthy diet, but as yet, much debate remains concerning their mode of action. Considering recent studies convincingly showing the important contribution of the intestinal microbiome to human health and disease risk, this project will investigate how certain foods may modulate both the composition and activity of the human gut microbiota. Moreover, the study aims to design specific "functional foods" with tailored activity to stimulate the metabolic activity of beneficial microorganisms within the human microbiome
Duties / Tasks	The post holder will provide molecular microbiological support for studies examining the ability of whole plant foods or their derivatives, certain dairy products and probiotics, to modulate the composition and activity of the human gut microbiota. Using samples collected from human dietary interventions and in vitro models of the human gut microbiota, the successful applicant will apply a range of molecular microbiological tools, including but not restricted to FISH, qPCR, ARISA and 16S rRNA targeted next generation sequencing, to characterise the human gut microbiota. The candidate will also assess the biotechnological potential of putative probiotic strains and their components, for the development of efficacious functional foods, and assist in the running of human dietary interventions within the NN Group at FEM
Keywords	Microbiology, Nutrition, Dairy, Molecular, Probiotic, Enzyme
Contract type	CCPL Fondazione Edmund Mach contract, Researcher 4th band - Recruiting for the formation of ranking for temporary employee contract. Chosen candidates might be considered for temporary employee contracts up to 36 months or for maternity leave replacement (short contracts)
Languages knowledge *from Common European Framework of Reference for Languages (CEFR)*	Fluent in spoken and written English and Italian (C1)
IT knowledge	Optimal knowledge of Office software package
Required title to join the selection	PhD in microbiology, biochemistry, food science / technology or biological science
Required experience	They will have hands-on expertise in molecular microbiological techniques including nucleic acid purification, PCR, and DNA sequencing. They will also have experience in biochemical techniques including enzyme activity assays and phenotypic characterisation of food grade microorganisms.

Psychosocial skills	Team player, good/proven verbal and written communication skills
Training opportunities related to the position	Fermentation technology, Gut Microbiology, Molecular Microbiology including 16S rRNA based Metagenomics
Supervisor	Kieran Tuohy
Summary of entry requirements	1. PhD in microbiology, biochemistry, food science / technology or biological science
Hiring conditions	Please note that Mach Foundation enforces Legislative Decree No. 368/2001, including its Art. 5(4bis) stating that fixed terms-contracts involving equivalent tasks could not be legally extended or renewed beyond 36 months. The Foundation may also take reasonable steps in order to verify whether statements made in applications (and similar documents) as well as in the attached CV are true or not. We invite candidates with the rights of Law 68/99 to notify it in the curriculum vitae for the application.

Application

To apply for the position the applicants should send a message mentioning in the subject the recruiting code (**152_CRI_RMM**) 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 *152_CRI_RMM_Application*. **Save your file in this way: Surname Name_af.doc;**

Deadline

The deadline for the submission of the applications is **June 26, 2014.**

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.