Job Offer Announcement	**Vacancy Code 134_CRI_AIG**
Job title	Researcher in Methods for algorithmic and integrative genomics for metagenomics
Job description	A researcher position under the supervision of Dr. Claudio Donati is available in the Computational Metagenomics unit, Computational Biology Centre of the Research and Innovation Centre. The successful candidate will be responsible for the development and implementation of methods and algorithms for the integration and analysis of data from different sources (genomic sequences, metagenomics, metatranscriptomics) to describe the interactions between the host, its life style and the microbial flora defined both at the taxonomic and functional level
Duties / Tasks	- Set up of a computational pipeline for the metabolic reconstruction from metagenomic data; - Design, installation and administration of appropriate databases of metabolic pathways; - Development of computational methods of analysis of metagenomic and metatranscriptomic data; - Development or adaptation of software tools and scripts to meet project needs; - Support to the community of users
Keywords	Metagenomics, Metatranscriptomics, Next Generation Sequencing, Genomics, RNA-Seq, Pathway analysis.
Contract type and length, Level	CCPL Fondazione Edmund Mach contract, Researcher 3rd band, 36 months
Languages knowledge *from Common European Framework of Reference for Languages (CEFR)*	English (B1) or higher. Preference will be given to candidates who are able to draft their own research papers in advanced English
IT knowledge	Good knowledge of the Unix operating system. Working knowledge of at least one modern programming language (C, C++, Java, Python, etc). Experience with scientific computing software (MATLAB, R, etc) desirable. Experience with High Performance Computing environment is a plus
Required title to join the selection	PhD in a quantitative discipline such as Mathematics, Physics or Computer Science or in Biology with a strong quantitative and computational background, or at least five years of documented experience in Bioinformatics, Genomics or Computational Biology
Required experience	Five years experience in the following fields: - Experience with sequence data analysis tools; - Experience with the analysis of systems biology data; - Experience with methods of Next Generation Sequencing Data analysis
Psychosocial skills	Must possess strong organizational skills and an affinity for problem solving. Excellent written and verbal communications skills, and the ability to work both independently and collaboratively are strongly preferred

Supervisor	Claudio Donati
Summary of entry requirements	1. PhD in a quantitative discipline such as Mathematics, Physics or Computer Science or in Biology with a strong quantitative and computational background, or at least five years of documented experience in Bioinformatics, Genomics or Computational Biology

Application

To apply for the position the applicants should send a message mentioning in the subject the recruiting code (134_CRI_AIG) 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 *134_CRI_AIG_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.