



Job Offer Announcement	Vacancy Code 119_CRI_CMB
Job title	Postdoc position in Cyanobacterial Molecular Biology
Job description	<p>A postdoc position is available in the Research and Innovation Centre. We are looking for interested and motivated applicants who should have a background in molecular biology and/or biochemistry of cyanobacteria and/or algae and/or plants. The project has the aim to develop a synthetic photosynthesis machine, through the study of the photosynthetic apparatus of the model plant <i>Arabidopsis thaliana</i> and its transfer into a photosynthetic unicellular cyanobacterium. We offer a well-equipped, modern and highly interactive research environment in a group that is leading the photosynthesis research field</p>
Duties / Tasks	<p>Applicant will be asked to conduct under the supervision of expert senior scientists a research project focused on photosynthesis by employing molecular biology and biochemistry approaches. The project is thought to reach the following objectives:</p> <ol style="list-style-type: none"> 1. Transfer of <i>Arabidopsis</i> genes with either a structural or regulatory role in photosynthesis into cyanobacterium genome by employing different strategies that will be explored at this stage of the project; 2. Screening of novel cyanobacterium strains with improved photosynthetic performance; 3. Generation of <i>Arabidopsis</i> cDNA expression libraries to be employed for cyanobacteria shot-gun transformation; 4. Selection of novel cyanobacterium strains containing part of the eukaryotic photosynthetic apparatus. <p>Milestones of this project are: Identification of new genes involved in the biogenesis of thylakoid membranes and regulation of photosynthesis; generation of cyanobacteria strains carrying an eukaryotic photosynthetic apparatus to be employed for the improvement of photosystems.</p> <p>Potential deliverables are: scientific publications on high impact journals. Cyanobacteria strains with an eukaryotic photosynthetic apparatus</p>
Keywords	Arabidopsis, Synechocystis, Photosynthesis, Regulation, Synthetic Biology
Contract type and length, Level	Project collaboration contract, 24 months (Contratto di collaborazione coordinata e continuativa a progetto)
Languages knowledge <i>from Common European Framework of Reference for Languages (CEFR)</i>	Fluent in spoken and written English (C1). Knowledge of Italian will be considered a plus (B1)
IT knowledge	Basic knowledge of informatics tools
Required title to join the selection	PhD degree in any sector of Plant and Cyanobacterial Biology



Required experience	We search for candidates with a proven track in photosynthesis research on model organisms such as cyanobacteria and/or Chlamydomonas and/or Arabidopsis. Candidates must have at least 5 year-experience in Molecular Biology and/or Biochemistry and/or Genetics. Preference will be given to those candidates that have already completed the first Post-doc in a laboratory different from the one they obtained the PhD degree
Psychosocial skills	Attitude to lead independently a research project and to work in a team
Supervisor	Roberto Viola (FEM supervisor), Dario Leister (scientific supervisor)

 FONDAZIONE EDMUND MACH 	JOB PROFILE	
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Application

To apply for the position the applicants should send a message mentioning in the subject the recruiting code (**119_CRI_CMB**) 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 **March 21st, 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.