

<b>Job description</b>		<b>Selection code: 232_CRI_MIC</b>
Type of post and number of positions vacant	<b>N. 1 (one) temporary position for 30 months as Fourth level Researcher (R4), part-time 32/38 hours, in the field of molecular ecology: eDNA metabarcoding of ice cores.</b>	
Organisational structure and manager for the position	Research and Innovation Centre (CRI), Department of Biodiversity and Molecular Ecology, Conservation Genetics Unit. Supervisor: Cristiano Vernesi.	
Requirements necessary for participation	<ul style="list-style-type: none"> <li>- MSc or equivalent in Biology, Forest Science or related fields;</li> <li>- PhD in evolutionary biology or related fields (e.g. ecological genetics, conservation genetics);</li> <li>- Knowledge of written and spoken scientific English (minimum level B2), evaluated during the interview.</li> </ul>	
Exclusion from the recruitment process	The following may not participate in the recruitment process: temporary staff, project workers and staff who have been employed or worked on a freelance basis for the Foundation in an equivalent role for a duration of more than 6 months.	
Job description	The EUREGIO Project CALICE aims at reconstructing how plant diversity has changed through time in relation to climate and land use through molecular analyses of a 45 m ice core extracted from the Adamello glacier. The role of the postdoctoral researcher will be to handle, archive and analyse the pollen content of ice core samples stored at FEM using DNA barcoding. The candidate will be encouraged to take a proactive role within the CRI scientific community by giving seminars and interacting with colleagues to promote new ideas, with particular emphasis on biodiversity science. The candidate is also expected to report progress regularly to the PI (Cristiano Vernesi) and to prepare summaries of results, scientific publications and conference presentations.	
Duties / Tasks	<ul style="list-style-type: none"> <li>- Sample preparation (at Eurocold lab, Milan) and archiving;</li> <li>- In silico analysis of appropriate barcode markers;</li> <li>- DNA extraction in dedicated labs designed to avoid contamination;</li> <li>- DNA amplification and sequencing (both Sanger- and NGS-based);</li> <li>- Library preparation (sequencing to be carried out by internal and external services);</li> <li>- Bioinformatics, from raw data filtering to taxonomic assignment;</li> <li>- Tracking and archiving of all experimental and analytical steps (e.g. database of verified results, detailed description of lab procedures).</li> </ul>	
Keywords	eDNA; metabarcoding; metatagenomics; NGS; bioinformatics; evolutionary biology; biodiversity survey; Alps; pollen; ice core; Adamello.	
Recruitment methods	Recruitment selection will be based on qualifications ( <b>maximum 30 points</b> ) and interview ( <b>maximum 70 points</b> ). The results of the recruitment process will be based on the total points obtained as a result of their qualifications and performance at the interview.	
Subjects covered in the interview	During the interview the following knowledge will be verified in particular ( <b>maximum 70 points</b> ): <ul style="list-style-type: none"> <li>- eDNA, metabarcoding (<b>25 points maximum, 19 required</b>);</li> </ul>	

	<ul style="list-style-type: none"> <li>- Biodiversity science, including GIS-based methods (<b>22 points maximum, 13 required</b>);</li> <li>- NGS, bioinformatics (<b>18 points maximum, 14 required</b>);</li> <li>- Knowledge of the activities and organization of Fondazione Edmund Mach (<b>5 points maximum, 3 required</b>).</li> </ul> <p>The candidate must obtain a minimum mark at the interview of <b>50/70 points</b>.</p>
Criteria for the pre-selection (if provided for)	<p>On the basis of the candidate's <i>curriculum vitae</i>, <b>the best 5 applicants</b>, based on the highest scores obtained following the criteria below, <b>will be selected and admitted to the interview phase (maximum 30 points)</b>:</p> <ul style="list-style-type: none"> <li>- Relevance of academic titles and work experience in the field of molecular ecology (<b>up to a maximum of 18 points</b>);</li> <li>- Scientific publications in journals with Impact Factor (IF) in the field of evolutionary biology, molecular ecology, bioinformatics, biodiversity science, ecology and to their applications to life sciences (<b>between 0.5 and 2 points for each publication; up to 12 points</b>).</li> </ul>
Knowledge of languages in the context of the Common European Framework of Reference for Languages (CEFR): level of knowledge and method of ascertainment	<p>Knowledge of written and spoken scientific English will be verified during the interview on a subject of a technical or scientific nature, starting at a minimum level corresponding to B2.</p> <p><i>To understand the levels of knowledge required consult the dedicated page at the EUROPASS site:</i> <a href="https://europass.cedefop.europa.eu/it/resources/european-language-levels-cefr">https://europass.cedefop.europa.eu/it/resources/european-language-levels-cefr</a></p> <p><b>In the event that it is ascertained that the candidate does not have knowledge of English corresponding with level B2, s/he will be excluded from the recruitment process.</b></p> <p>Knowledge of English, self-certified in the pre-selection process, will be checked during the interview, as specified above.</p>
Methods and deadlines for communication of the calendar and location to candidates admitted to the interview/test	<p>Candidates admitted to the interview phase will be informed of the date and location via e-mail (<b>NO PEC</b>), sent to the contact address used to send the curriculum, at least 10 days before the interview date.</p> <p>The interviews will be held at the Fondazione E. Mach in San Michele all'Adige (TN).</p>
Gross annual remuneration	<p>Temporary employee contract "CCPL Fondazioni", Fourth level Researcher, part-time contract 32 hours (38 hours full-time contract), yearly Euro 28,090.26 including 13° and 14° months.</p>
Deadline for presentation of applications and deadline for the conclusion of the recruitment procedure	<p>Applications must <b>arrive by 23:59</b> (the date and time of receipt shown in the electronic mail account of the Foundation shall be valid) <b>on September 17, 2017</b>.</p> <p>The recruitment procedure will terminate at the latest by March 17, 2018.</p>
How to present applications	<p>Applications to participate in the selection (professional <i>curriculum vitae</i> and other relevant documentation), including the email address of one appropriate Reference, must be sent in electronic format to the e-mail address (<b>NO PEC</b>) <a href="mailto:curricula@fmach.it">curricula@fmach.it</a>, indicating the recruitment code in the object of the message (<b>232_CRI_MIC – Temporary R4 molecular ecology</b>).</p> <p>The <i>curriculum vitae</i> must be sent with file extension: <b>Surname Name_CV.doc , or .pdf</b>.</p>

	In cases of access issues due to disability, please use the following telephone number +39 0461 615542.
Proof of documentation in the event of hiring and relative deadlines	At least 10 working days before the contract start date, the candidate must provide the following, on penalty of cancellation: <ul style="list-style-type: none"> <li>- Certificate of MSc;</li> <li>- Certificate of PhD.</li> </ul>
Results of the selection	The results of the selection will be communicated to the candidates at the end of the recruitment procedure individually via e-mail ( <b>NO PEC</b> ), sent to the contact address used to send the <i>curriculum vitae</i> .
Hiring conditions and categories covered by Law 68/99	Please note that the Fondazione Edmund Mach applies D.lgs. 368/2001, including article 5, paragraph 4 bis, which excludes the possibility of lawfully prolonging or renewing temporary contracts for equivalent roles for more than 36 months. Furthermore, the Foundation reserves the right to carry out appropriate checks in relation to the truthfulness of the information stated in the application and the enclosed <i>curriculum vitae</i> . Finally, candidates are invited to state in their curriculum vitae whether they belong to the categories recognised according to Law 68/99.
Handling of data	The curriculum must include the following phrase, otherwise the candidature will not be taken into consideration: <b>I agree to the handling of my personal data in accordance with D.lgs. 196/2003.</b> The candidate takes full responsibility for all the information included in the application form and curriculum vitae. The Foundation reserves the right to request documentary proof of the qualifications listed by the candidate considered suitable for the post offered.

Before carrying out the tests and/or evaluation interview, the candidate shall be identified and asked to complete a declaration, if this has not already been presented, stating:

- that he has the requirements indicated in the notice;
- that there are no reasons for incompatibility provided for by the law or linked to interests of any kind with reference to the scope of the employment;
- that he has no criminal convictions and is not subject to measures related to the application of prevention measures, civil decisions and administrative provisions registered in the criminal record;
- the truthfulness of the declarations made in the application/ curriculum and an undertaking to communicate any subsequent changes.

For any matters not covered by this recruitment notice, reference should be made to “**Regulations for the recruitment of human resources at the Fondazione Edmund Mach**”.

The Director General  
Dr. Sergio Menapace