

Announcement of available position		Selection code: 310_CRI_RMB
Type of position and number of positions vacant	N. 1 (one) temporary position for 24 months* as Fourth level researcher (R4) in the field of plant RNA molecular biology.	
Organisational structure and manager for the position	Research and Innovation Centre (CRI) – Unit of Plant Epigenetics (CRI-AB_EDP) – Leader: Azeddine SI AMMOUR, PhD. * The position is offered within the EUREGIO project “SIRNACIDE” and the duration of the contract is limited to the extent of the project itself, i.e. it cannot extend beyond January 31, 2025.	
Specific requirements	<ul style="list-style-type: none"> – Master degree (or equivalent ≥ 4 years degree) in plant molecular biology with experience in working with RNA; and – Knowledge of written and spoken English (minimum level B2), evaluated during the interview. 	
General requirements	<ul style="list-style-type: none"> - Italian citizenship with the benefit of full civil and political rights within the State of Italy, whether belonging to the Republic, or not; OR - Citizens of European Union Member States or other States, provided they meet the following requirements: <ul style="list-style-type: none"> - benefit of full civil and political rights in the country of origin or nationality (or explanation of the reasons for non-benefit); - possession of all the same requirements as for citizens of the Republic, with the sole exception of Italian citizenship, as detailed below. - Not having been the subject of criminal convictions or applications of penalties at their own request (plea bargaining), which have been confirmed as enforceable convictions; - Not having been the subject of a conviction or any application of penalty at their own request (plea bargaining), which has not yet been confirmed as enforceable, for the offences referred to in Book 2, Title II, Chapter I of the Italian Criminal Code ("Offences committed by public officials against the public administration"); - Not having been dismissed or declared disqualified from employment for having obtained employment through the production of false documents or documents that are invalid and with no possibility of remedy, or for having carried out activities incompatible with employment relationships with the Public Administration, or with entities governed by private law but under public control; - Not having exercised authoritative or negotiating powers over the Edmund Mach Foundation (Article 53 paragraph 16 ter of Legislative decree 165/2001) during the previous three years; - Not having been dismissed for justified subjective reason nor just cause, nor having had their employment relationship terminated in application of Article 32 quinquies of the Italian Criminal Code, because of failure to pass the probationary period for an employment relationship of indefinite duration and requiring the same qualifications as for this current recruitment; - Being in compliance with any obligations for military service; - In the event of recruitment, being available to take service at Edmund Mach Foundation premises. 	
Physical suitability for the specific work	The employer “Fondazione Edmund Mach” will assess the specific risks connected to the work, and if necessary request a preventive medical examination, pursuant to art. 41 of Legislative Decree 81/2008, in order to ascertain the physical suitability of the	

	employee and absence of contraindications to the work for which they are to be employed. In case of physical unsuitability or suitability with limitations, the Foundation reserves the right not to proceed with recruitment or to withdraw from the contract if it has already been entered into.
Exclusion from the recruitment process	Candidates who have been employed at Edmund Mach Foundation in an equivalent level (R4) for duration of more than 12 months are excluded from the recruitment process.
Job description	This position is funded by EUREGIO and the project aims to develop a new type of RNAi-based pesticide targeting the grapevine pathogen <i>Plasmopara viticola</i> . The successful candidate will isolate RNA from zoospores and extract mRNA and small RNAs (sRNAs) and study in details the RNA degradome triggered by the <i>P. viticola</i> RNA silencing machinery. Several molecular biology techniques as well as bioinformatics approaches will be developed and optimized within the grant duration in collaboration with the consortium partners at the University of Innsbruck in Austria and the Laimburg Research Center.
Duties	<ul style="list-style-type: none"> - Isolation of <i>P. viticola</i> zoospores followed by extraction of mRNA and sRNAs; - Illumina sRNA-seq, RNA-seq and degradome library preparation and sequencing; - Design of siRNAs targeting <i>P. viticola</i> genes and assessment of their efficiency <i>in vitro</i>; - Routine use of bioinformatics tools for different data analysis (RNA-seq, sRNA-seq, degradome); - Contribution to the publication of the results in high profile scientific journals, with support from the project leader; - Engagement in group meetings, project reporting and other collaborative activities with the members of the consortium; - Dissemination of the results at national and international meetings, and outreach activity.
Keywords	<i>Plasmopara viticola</i> , small RNAs, NGS, degradome, RNA, siRNAs, pesticide, grapevine, oomycete.
Selection process	By educational qualifications (maximum 25 points) and interview (maximum 75 points). The results of the selection are based on the sum of the points awarded for the educational qualifications and interview.
Subjects covered in the interview	<p>During the interview, which will be conducted in English, the following knowledge will be verified, and in particular (maximum 75 points):</p> <ol style="list-style-type: none"> 1. RNA biology (biosynthesis and degradation), RNA silencing in plants, RNA interference mechanisms (maximum 20 points); 2. Next generation sequencing, RNA-seq, sRNA-seq, Illumina sequencing (maximum 20 points); 3. Bioinformatics, R, data mining applied to RNA-seq (maximum 20 points); 4. Plant pathogen interaction, grapevine downy mildew (maximum 10 points); 5. General activities of the Research and Innovation Centre (CRI) at the Fondazione Edmund Mach (FEM) (maximum 5 points). <p>In the interview, the candidate must achieve a minimum score of 55/75 points.</p>
Assessment of qualifications and pre-selection	<p>On the basis of the information provided exclusively in the application form (Annex A), the Foundation will select the best 10 candidates for admission to the interview. This preselection will be conducted on the basis of the highest scores achieved, according to the following criteria (maximum 25 points):</p> <ol style="list-style-type: none"> 1. MSc thesis on topics related to Biology, Molecular Biology on plants and/or microorganisms (maximum 3 points: 0 points=no relation, 1=minimal relation, 2=medium relation, 3=perfect relation);

2. PhD in the field of Plant Biology, RNA Biology, Molecular Biology on plants and/or microorganisms within the last 4 years (**maximum 6 points: 0 points=no relation, 2=minimal relation, 4=medium relation, 6=perfect relation**);
3. Work experience (excluding MSc and PhD periods) in Plant Biology, RNA Biology, Molecular Biology on plants and/or microorganisms as employee in qualified labs/research organizations/universities (**2 points per year of experience, up to maximum of 6 points**);
4. Number of publications with Impact Factor (IF) in Plant Biology, RNA Biology, Molecular Biology on plants and/or microorganisms (**1 point for each publication with IF in case candidate is not first/last author, 2 points for each publication with IF in case candidate is first/last author, up to maximum of 10 points**);

If none of the 10 shortlisted applicants prove to be suitable following interview, the Commission reserves the right to interview additional candidates initially not admitted to the interview.

Knowledge level of languages, relative to the Common European Framework (CEFR), and method of verification

The interview will be held in English, and a minimum level of **B2** will be requested and evaluated during the interview.

To understand the levels of knowledge required, consult the dedicated page on the EUROPASS website:

<https://europass.cedefop.europa.eu/it/resources/european-language-levels-cefr>

Failure to possess a level of English corresponding to B2 will result in exclusion from the selection process.

Possession of requirements and recourse to clarification

The candidate must meet all the requirements and qualifications laid out, on the closing date for submitting applications as stated in the public announcement, as well as on the date of recruitment and placement. Candidates are in any case required to promptly inform “Fondazione Edmund Mach” of any change in the data declared in the application for participation in the public notice.

Failure to meet the specific and general requirements will result in exclusion from the selection process. The “Fondazione Edmund Mach”, however, reserves the right to verify the above requirements and may at any time terminate the selection process for a candidate who does not meet them.

Should the verification reveal inconsistencies, doubts or uncertainties, the “Fondazione Edmund Mach” also reserves the right to request further clarifications and/or documents to be produced, within the peremptory deadline indicated by the “Fondazione Edmund Mach”.

The assessment of the possession of requirements and evaluation of qualifications is based exclusively on the information declared in the application form (Annex A).



Methods and deadlines for communication to candidates of the dates and locations of the interview/test

Candidates admitted to the interview phase will be informed of the date and location via e-mail (not by certified email, a.k.a. **PEC**), sent to the contact address used to send the curriculum and the application (Annex A), at least 10 days before the interview date. The interviews will be held at the “Fondazione Edmund Mach” in San Michele all’Adige (Province of Trento) or in videoconference.

Each selected candidate must attend the interview/test(s), where they must present a valid photographic identification document, or if the tests are held in remote videoconferencing, the document must be presented in advance. Late arrival or failure to appear at the test venue or at the videoconference link, will result in exclusion from the selection process.

<p>Gross annual remuneration</p>	<p>Provincial Collective Contract for Personnel of Research Foundations (https://trasparenza.fmach.it/Amministrazione-Trasparente/Personale/Contrattazione-collettiva/CCPL-Personale-Fondazioni-di-Ricerca), Fourth level researcher, current gross remuneration of Euro 34.563,94, including 13th and 14th month's pay.</p>
<p>Deadline for presentation of applications and recruitment process end date.</p>	<p>Applications must arrive by and no later than 23:59 (the date and time of receipt shown in the electronic mail account of the Foundation shall be valid) on April 3, 2022. The recruitment procedure will terminate at the latest by October 3, 2022.</p>
<p>How to present applications</p>	<p>Applications to participate in the selection must be sent in electronic format to the email address (not certified email address, a.k.a. PEC) curricula@fmach.it, indicating the recruitment code (310_CRI_RMB –temporary R4 molecular biology) in the subject of the message and must consist of:</p> <ul style="list-style-type: none"> - the candidate's curriculum vitae, saved with the file name and extension as follows: Surname First Name_CV.doc or .pdf; - the application form (Annex A), as per the model available on the webpage announcement, which must be saved with the file name and extension: Surname First Name_Application.pdf. The application must be completed in full, without any resort to references to other attached documentation and/or information; - a copy of a valid identity document. <p>Any person encountering difficulty in submitting the application due to disability is invited to contact +39 0461 615542.</p> <p>In the application form the candidate must declare any marriage, cohabitation or family relationship up to the fourth degree with employees, ongoing consultants, directors or members of the Foundation's supervisory bodies. This requirement ensures maximum transparency in the recruitment process and avoids situations of potential conflict, such as, for example, direct or indirect reporting in the same organisational structure between persons who have such relationships.</p> <p>In the application (Annex A) the candidate must declare, under his/her own personal responsibility, the possession of the specific requirements, general requirements and any qualifications as indicated in the relative boxes of this Recruitment Announcement, pursuant to Articles 46 and 47 of Presidential decree no. 445 of 28 December 2000, indicating awareness of the forfeiture of any benefits obtained and the criminal sanctions provided for respectively in Articles 75 and 76 of the aforementioned decree, in the case of untrue declarations, creation or use of false documents.</p> <p>By submitting an application for selection, the candidate assumes responsibility for the truthfulness of all the information provided in the application and in any attached documents, as well as for the conformity to the original of the copies of any documents produced, all this in accordance with Presidential decree 445/2000.</p> <p>The Edmund Mach Foundation reserves the right to carry out checks and if these reveal that the candidate's declarations contain any untrue content, the declarant will forfeit any benefits deriving from the any provision issued on the basis of the untruthful declaration; moreover, such a declaration, as a "mendacious statement", will be punished in accordance with the Italian Criminal Code and the special laws on the subject.</p> <p>Candidates who make untruthful declarations concerning the possession of the fundamental requirements for participation in the selection process will be removed from the ranking list and the employment relationship, if already established, will be terminated.</p> <p>The Foundation shall not accept any responsibility for the loss of communications due</p>

	to the incorrect indication of the address by the candidate or to a missed or late communication of the change of the address indicated in their application, or due to any postal or telecommunications defects or in any case due to third parties, unforeseeable circumstances or force majeure.
Proof of documentation in the event of hiring and relative deadlines	<p>Within at most 10 days before the date of assumption to the position, the candidate must provide the following, on penalty of cancellation:</p> <ul style="list-style-type: none"> - Master of Science certificate - Other documents if required (e.g. PhD certificate).
Results of the selection	<p>The results of the selection will be communicated by:</p> <ul style="list-style-type: none"> - publication of the suitable candidate ranking on the webpage dedicated to the present recruiting announcement, with the details of ranking order, surname and name; the publication of the candidate's name in the list of suitable candidates shall not be subject to the right of confidentiality, therefore the candidate may not request that their name be removed from the said list; - at the end of the procedure, communication to all candidates whether included in the ranking of suitable candidates or not, by individual email (<u>not certified email, a.k.a. PEC</u>) to the contact address used to send the curriculum vitae and the application.
Hiring conditions and categories covered by Law 68/99	<p>The Edmund Mach Foundation operates in compliance with the legislation in force concerning fixed-term contracts.</p> <p>Candidates are invited to state whether they belong to the categories referred to in Law 68/99, and to indicate this in the curriculum vita sent in application for recruitment.</p>
Company welfare and benefits at current date	<ol style="list-style-type: none"> 1. Family Audit certified company, with flexible working time and human resources management policy, for the wellbeing of the employees and their families; 2. In-house dining hall and coffee shop in San Michele all'Adige, as well as a payment card for meals taken in registered non-company facilities, with the value of Euro 6.00 per meal; 3. Bike-sharing facility and free car park within the San Michele all'Adige campus and at the peripheral locations; 4. Free "Education Roaming (Eduroam)" WiFi on the San Michele all'Adige campus (90% coverage) and in facilities of other entities affiliated with GARR for the Wi-Fi service; 5. Employee discount for the purchase of products from the Edmund Mach Winery sales point; 6. Staff sports club, with discount for members and promotions of sport-recreational activities (on-campus gym); 7. Internal market of agri-food products prepared by the Foundation students.
Privacy Policy	<p>In accordance with Article 13 of the EU General Data Protection Regulation 2016/679 ("GDPR" or "Regulation"), and in general with the principle of transparency set out in the Regulation, the Edmund Mach Foundation provides information on the processing of personal data at the webpage "Privacy Policy".</p> <p>The candidate takes full responsibility for all the information included in their application form and curriculum vitae. The Foundation reserves the right to require that the candidate considered suitable for the post shall offer documentary proof of the qualifications they have listed.</p>

 <p>FONDAZIONE EDMUND MACH</p>	<h2>RECRUITING ANNOUNCEMENT</h2>	
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This Recruiting Announcement is issued in compliance with equal opportunities between men and women for access to employment, pursuant to Legislative decree no. 198 of 11 April 2006 "Code of equal opportunities between men and women, pursuant to Article 6 of Law no. 246 of 28 November 2005".

The candidate identifies their gender prior to the tests and/or interview.

For any matters not covered by this Recruitment Announcement, reference should be made to "[Regulations for the recruitment of human resources at the Fondazione Edmund Mach](#)".

Original signed by
Eng. Mario Del Grosso Destreri
Director General
Edmund Mach Foundation