



RECRUITING ANNOUNCEMENT



Organization and Human resources Division
Human Resources Development Unit

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Job description	Selection code: 242_CRI_AGS
Type of post and number of positions vacant	<p>N. 1 (one) temporary position for 36 months within the project AROMAGENESIS n° 764364 – Generation of new yeast strains for improvement flavours and aromas in beer and wine, a Marie Sklodowska-Curie Innovative Training Network Action (MSCA-ITN).</p> <p>The selected candidates will be employed 36 months at Fondazione Edmund Mach (FEM) as junior researcher (R4 CCPL) in the field of metabolomics, fermentations, volatile compound analysis.</p>
Description of the position	Quantification of flavour production of novel strains and of co-fermentations with different yeast strains/species.
Organisational structure and manager for the position	Research and Innovation Centre (CRI), Food Quality and Nutrition Department, Metabolomic Unit. Head dr. Urska Vrhovsek.
Requirements necessary for participation	<ul style="list-style-type: none"> • Master degree in the field of Chemistry, Food Technology, Pharmacy or similar entitling to embark on a doctorate of an Italian University; • To be at the time of recruitment in the first four years of research career (full-time equivalent research experience*) calculated from the date on which the Master degree was obtained; • Knowledge of written and spoken English (minimum level B2), evaluated during the interview. <p>* 'Full-time equivalent research experience' is measured from the date when the researcher obtained the degree entitling him/her to embark on a doctorate (either in the country in which the degree was obtained or in the country in which the researcher is recruited or seconded) – even if a doctorate was never started or envisaged.</p>
Exclusion from the recruitment process	<ul style="list-style-type: none"> • Candidates that have been already awarded a Doctoral Degree ; • Candidates that have resided or carried out his/her main activity in the country of the host institute for more than 12 months in the last three years immediately prior to the reference recruitment date; • Candidates that have been temporary staff, project workers and staff employed or worked on a freelance basis for the FEM in an equivalent role.
Job details	<p>The candidates will be employed for 36 months at FEM under the supervision of Dr. Urska Vrhovsek</p> <p>The ESR will develop GC/MS/MS analytical method for quantifying flavour compounds in order to give a comprehensive assessment of flavour profiles of fermented beverages. The ESR will apply targeted metabolomics approaches to different sample sets provided by the network partners to identify all-important classes of flavour compounds. For untargeted analysis, a GCxGC TOF analytical method will be developed. The untargeted data set will give an overall view of the different flavour compounds produced by platform strains and variants produced during the network research. The student will also work on the structural elucidation of unknown biomarkers with the aim to discover new “unknown” biomarkers influenced by different yeast strains.</p> <p>Moreover, the candidate should be enrolled as PhD student at:</p> <ul style="list-style-type: none"> • the University of Trento under the supervision of prof. Fulvio Mattivi



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<p>Duties / Tasks</p>	<p>In addition, the ESR will be required to undertake training according to the AROMAGENESIS training programme that integrates traditional doctoral activities (research-oriented) with product development-oriented training:</p> <ul style="list-style-type: none"> • network wide training activities (workshops, summer and winter schools, seminars) and courses, planned for the ESR across the EU-wide network; • local training, based on the development of the individual research project, with a strong tutoring by highly qualified supervisors, also including important complementary skill training; • secondments, providing additional skills, networking and inter-sectoriality; • participation in international Conferences, which allow the ESR to measure the relevance of their research in a wider scientific context and to disseminate their results.
<p>Keywords</p>	<p>Flavour compounds, VOC, wine, beer, fermentations, yeasts, metabolic pathways</p>
<p>Recruitment methods</p>	<p>By qualifications (30 points) and interview (70 points). The results of the recruitment process will be based on the sum of points obtained from qualifications and interview. In the preselection phase, applications will be evaluated by all the involved supervisors.</p>
<p>Criteria for the pre-selection (qualifications)</p>	<p>On the basis of the information contained in the CV or demonstrated by candidates, it will be created a list of suitable candidates. The best 5 applicants among those suitable, based on the highest scores obtained following the criteria below, will be selected and admitted to the interview phase (maximum 30 points):</p> <ol style="list-style-type: none"> 1. relatedness of master thesis (Title and abstract) to the above ESR topics (maximum 15 points: 0 point= no relation, 5 points=minimal relation, 10 point=medium relation, 15=perfect relation); 2. experience in Analytical Chemistry, Metabolomics and Fermentations, as researcher (Fellowships, Stipends, Grants), employee or stage in qualified labs/research organizations/universities (2 points per year of experience, maximum of 5 points); 3. number of publications with Impact Factor (IF) in above mentioned topic (see point 2 of this list) (1 point per each paper with IF, maximum of 5 points); 4. number of scientific and technical publications in the above mentioned topic (see point 2 of this list) (0.5 point per each, maximum of 5 points). <p><i>If none of the 5 shortlisted applicants is willing to be interviewed, or prove to be suitable following interview, the Commission reserves the right to interview additional candidates from the above-mentioned list of applicants with appropriate qualifications. These additional candidates will be contacted and interviewed in groups of five (if possible) in decreasing order of total points after the evaluation of the CV.</i></p>
<p>Subjects covered in the interview</p>	<p>During the interview, that will be held in English, the following knowledge will be verified (maximum 70 points):</p> <ul style="list-style-type: none"> • Application of metabolomics/analytical chemistry in food technology studies (minimum score 20, maximum 30); • Volatile compounds in fermentative beverages and their impact on the wine and beer quality (minimum score 20, maximum 30). • European Computer Driving Licence (ECDL) or equivalent knowledge of Office automation software and knowledge of statistic software as R, SPSS or Statistica. The computer skills will be assessed during the interview (minimum score 2, maximum 5). • Knowledge of the activities and organization of Fondazione Edmund Mach (maximum 5).



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	The candidate must obtain a minimum mark at the interview of 50/70 points .
Knowledge of languages in the context of the Common European Framework of Reference for Languages (CEFR): level of knowledge and method of ascertainment	The knowledge of written and spoken English (general and scientific) will be verified during the interview, at a minimum level corresponding to B2 . In the event that it is ascertained that the candidate does not have knowledge of English equivalent to level B2, s/he will be excluded from the recruitment process
Methods and deadlines for communication of the calendar and location to candidates admitted to the interview/test	Candidates admitted to the interview phase will be informed of the date and location via e-mail (NO PEC), sent to the contact address used to send the curriculum, at least 10 days before the interview date. The interviews will be held at the Fondazione E. Mach in San Michele all'Adige (TN).
Salary, gross annual remuneration and other information	The salary offered for this position will be in line with the Marie Skłodowska-Curie (MSCA) programme that offers highly competitive and attractive salary and working conditions. It consists of a: <ul style="list-style-type: none"> • Living allowance (= 3.110 euro/month; the MSCA rules apply a correction factor to this amount to allow for the cost of living in different countries: 1.067 to Italy) • A monthly mobility and family allowance (= 600 and 500 euro/month depending on the family situation). <p>It must be noted that the living allowance is a gross EU contribution to the salary costs of the researcher. Consequently, the net salary results from deducting all compulsory (employer/employee) social security contributions as well as direct taxes (e.g. income tax) from the gross amounts. The rate indicated here is for researchers devoting themselves to their project on a full-time basis. The mobility and family allowance is a fixed amount, regardless of the country of recruitment, and may be taxable depending on the country in question. More details in Sections 5.1, 5.2 and 5.3 of the guide for applicants to H2020-MSCA-ITN-2017.</p> <p>At FEM, it will be offered to the candidate a temporary employee contract "CCPL Fondazioni", Fourth level Researcher, starting from a yearly Euro 33.357,19 + TFR (severance pay). The exact gross salary will be confirmed upon appointment.</p> <p>Furthermore, PhD tuition fees for the ESR are covered. In addition to the individual scientific project, the position will benefit from further continuing training, which includes summer schools and secondments, a variety of training courses as well as transferable skill courses, active participation in workshops and conferences.</p>
Deadline for presentation of applications and deadline for the conclusion of the recruitment procedure	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 February 18, 2018 . The recruitment procedure will terminate at the latest by August 18, 2018.
How to present applications	Applications to participate in the selection must be sent in electronic format via e-mail address (NO PEC) to curricula@fmach.it , indicating the recruitment code in the object of the email (242_CRI_AGS R4 temporary aromagenesis). In cases of access issues due to disability, please contact +39 0461 615542. To apply, please email the following documents to FEM (curricula@fmach.it):





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	<p>i) Application form (AF) completed, signed and saved as Surname Name_AF.pdf. The template is provided in the webpage of the announcement.</p> <p>ii) Curriculum vitae (CV), including contact details, education, work experience, technical and scientific publications, prizes/awards, language skills. The CV must be saved with file extension: Surname Name_CV.doc, or .pdf.</p> <p>iii) PDF copy of the Master thesis. The thesis must be saved with file extension: Surname Name_MASTER.pdf;</p> <p>iv) Official academic record of undertaken courses & grades Master degree (Diploma supplement or any document that states that the Master degree is recognised by the current Italian legislation).</p> <p>v) A motivational letter in which the applicant describes his or her motivation to pursue postgraduate studies and to conduct the research project applied for. The applicant is asked to mention the ESR position s/he apply for on the motivational letter.</p> <p>vi) Contact details (email and telephone number) of three referees willing to write confidential letters of recommendation.</p>
PhD enrollment application	In parallel candidates have to apply for PhD by filling the online application form available at University of Trento website. Please check regularly the related link in the webpage of the announcement published in FEM website.
Proof of documentation in the event of hiring and relative deadlines	By at least 10 days before the date of hiring, the candidate must provide the following, on penalty of cancellation: <ul style="list-style-type: none"> - Certificate of Master degree (with Diploma supplement or any document that states that the Master degree is recognised by the current Italian legislation)
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 (NO PEC), sent to the contact address used to send the curriculum.
Hiring conditions and categories covered by Law 68/99	It is underlined that the Fondazione Edmund Mach applies D.lgs. 368/2001, including article 5, paragraph 4 bis, which excludes the possibility of legitimately 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 curriculum. Finally, candidates are invited to state whether they belong to the categories recognised according to Law 68/99 and indicate this in the curriculum sent to participate in the recruitment process.
Current Welfare and benefit	<ol style="list-style-type: none"> 1. Family Audit certified company, with flexible working time and human resources management policy work-life conciliation oriented; 2. Access to the in-house canteen and cafeteria in San Michele all'Adige, card for meals out of the canteen available with the value of 6,00 Euro; 3. Bikesharing location and free car park within the campus in San Michele all'Adige and in the peripheral offices; 4. Free Wi-Fi eduroam access (Education Roaming) in the campus building in San Michele all'Adige (90% coverage) and in other companies with GARR Wi-Fi service; 5. Employee discount for the purchase of the internal winery products; 6. Staff Social Club, with discount for members and promotions of sport-recreational activities; 7. Internal periodical market with agro-food products prepared by the Foundation high school students.

<p>FONDAZIONE EDMUND MACH</p>  <p>ISTITUTO AGRARIO DI SAN MICHELE ALL'ADIGE</p>	<h2>RECRUITING ANNOUNCEMENT</h2>	
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<p>Handling of data</p>	<p>The curriculum must include the following phrase, otherwise the candidature will not be taken into consideration: I agree to the handling of my personal data in accordance with D.lgs. 196/2003. 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.</p>
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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