Section A: Please select the FAIROmics PhD project you apply for

Please select the FAIROmics project you apply for (Please note that the mobility rule does not allow you to take a project in a country where you have resided for more than 12 months in the last three years before the date of recruitment).

A1. **Please select the FAIROmics PhD project you apply for (Please note that the mobility rules does not allow you to take a project in a country where you have resided for more than 12 months in the last three years before the date of the recruitment).**

DC1 - Deciphering the role of bacterial-fungal interactions in plant-based fermented food. ☐

DC2 - New sources and new concepts to develop safe innovative fermented foods based on genome mining of starter strains. ☐

DC3 - Multi-omics data production during olive fermentation. ☐

DCR - Omics-driven investigation of unique features of olive fermentation isolates beneficial for plant fermentation with probiotic properties. ☐

DC4 - Knowledge-driven design of plant-fermenting microbial cultures. ☐

DC5 - From sequence to strain-specific phenotypes. ☐

DC6 - Methods and tools to model microbial interactions. ☐

DC7 - Identification and control of key regulatory mechanisms for differential responses and metabolic shifts in microorganism populations. ☐

DC8 - Multiscale Modelling for Risk-averse Process Optimisation and Control. ☐

DC9 - Design of Information Extraction Tools to characterize molecules produced or degraded by microbes and applications to plant-fermented food ecosystems. ☐

DC10 - Automatic information extraction from scientific publications and other sources to build knowledge graph. ☐

DC11 - Characterization of Knowledge Graph through network tools: application to the Omnicrobe knowledge graph. ☐

DC12 - Optimal Transportation to improve databases integration. ☐

DC13 - Explainable machine learning techniques to support the design of plant-based fermented food products. ☐

DC14 - Legal Aspects of Open Science: FAIROmics as a Case Study. ☐

A2. **Do you wish to apply to another PhD project?**

Yes ☐

No ☐

A3. Please select the other FAIROmics PhD project you are applying for.

DC1 - Deciphering the role of bacterial-fungal interactions in plant-based fermented food. ☐

DC2 - New sources and new concepts to develop safe innovative fermented foods based on genome mining of starter strains. ☐

DC3 - Multi-omics data production during olive fermentation. ☐

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DC13 - Explainable machine learning techniques to support the design of plant-based fermented food products. ☐

DC14 - Legal Aspects of Open Science: FAIROmics as a Case Study. ☐

A4. Do you wish to apply to another PhD project?

Yes ☐

No ☐

A5. Please select the other FAIROmics PhD project you are applying for.

DC1 - Deciphering the role of bacterial-fungal interactions in plant-based fermented food. ☐

DC2 - New sources and new concepts to develop safe innovative fermented foods based on genome mining of starter strains. ☐

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DC14 - Legal Aspects of Open Science: FAIROmics as a Case Study. ☐

A6. Do you wish to apply to another PhD project?

Yes ☐

No ☐

A7.   Please select the other FAIROmics PhD project you are applying for.

DC1 - Deciphering the role of bacterial-fungal interactions in plant-based fermented food. ☐

DC2 - New sources and new concepts to develop safe innovative fermented foods based on genome mining of starter strains. ☐

DC3 - Multi-omics data production during olive fermentation. ☐

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DC13 - Explainable machine learning techniques to support the design of plant-based fermented food products. ☐

DC14 - Legal Aspects of Open Science: FAIROmics as a Case Study. ☐

A8.   Do you wish to apply to another PhD project?

Yes ☐

No ☐

A9. **Please select the other FAIROmics PhD project you are applying for.**

DC1 - Deciphering the role of bacterial-fungal interactions in plant-based fermented food. ☐

DC2 - New sources and new concepts to develop safe innovative fermented foods based on genome mining of starter strains. ☐

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DC14 - Legal Aspects of Open Science: FAIROmics as a Case Study. ☐

A10. **If you'd like to apply for multiple positions, please list the DC positions in order of preference (e.g. 1stDC5, 2ndDC10, etc.).**

Section B: Applicant details

B1. **Contact details**

Surname and First name

Email address

Phone number please indicate your country code e.g. +33)

Country of Citizenship

B2. **Countries of residence**

Please state your country of residence* in 2024, 2023, 2022 and 2021 (Modify as needed if years are split between countries). *Please note: regulations of the MSCA program stipulate that researchers must not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the three years before the date of the recruitment.

2024

2023

2022

2021

Section C: Academic Qualifications - Undergraduate

Undergraduate degree, university level before postgraduate, e.g. bachelor's degree.

C1. **Undergraduate Degree *YEAR 1***

University level before Postgraduate, e.g. Bachelor.

Insitution name

Country

Qualification of Degree

From - to

Undergraduate Degree awarded on

Grade (or grade point average or %) and Place in class (if known/applicable)

Email address of institution for verification

C2. **Please indicate the subjects of the year n°1 programme with grades (or grade point average, or % for that year) and your related place in the class (if known and applicable).**

C3.   **Undergraduate Degree *YEAR 2***

University level before Postgraduate, e.g. Bachelor.

Insitution name

Country

Qualification of Degree

From - to

Undergraduate Degree awarded on

Grade (or grade point average or %) and Place in class (if known/applicable)

Email address of institution for verification

C4.   **Please indicate the subjects of the year n°2 programme with grades (or grade point average, or % for that year) and your related place in the class (if known and applicable).**

C5.   **Undergraduate Degree *YEAR 3***

University level before Postgraduate, e.g. Bachelor.

Insitution name

Country

Qualification of Degree

From - to

Undergraduate Degree awarded on

Grade (or grade point average or %) and Place in class (if known/applicable)

Email address of institution for verification

C6. **Please indicate the subjects of the year n°3 programme with grades (or grade point average, or % for that year) and your related place in the class (if known and applicable).**

C7. **Undergraduate Degree *YEAR 4***

University level before Postgraduate, e.g. Bachelor.

Insitution name	
Country	
Qualification of Degree	
From - to	
Undergraduate Degree awarded on	
Grade (or grade point average or %) and Place in class (if known/applicable)	
Email address of institution for verification	

C8. **Please indicate the subjects of the year n°4 programme with grades (or grade point average, or % for that year) and your related place in the class (if known and applicable).**

Section D: Academic Qualifications - Postgraduate degree (e.g. Masters)

Please note applicants cannot have already been awarded a PhD.

D1. **Postgraduate Degree *YEAR 1***

University level after graduation, e.g. Master.

Insitution name	
Country	
Qualification of Degree	
From - to	

Undergraduate Degree awarded on

Grade (or grade point average or %) and Place in class (if known/applicable)

Email address of institution for verification

D2. **Please indicate the subjects of the year n°1 programme with grades (or grade point average, or % for that year) and your related place in the class (if known and applicable).**

D3. **Postgraduate Degree** *YEAR 2*

University level after graduation, e.g. Master.

Insitution name

Country

Qualification of Degree

From - to

Undergraduate Degree awarded on

Grade (or grade point average or %) and Place in class (if known/applicable)

Email address of institution for verification

D4. **Please indicate the subjects of the year n°2 programme with grades (or grade point average, or % for that year) and your related place in the class (if known and applicable).**

D5. **Comments (Postgraduate degree e.g. Masters)**

D6. **Other education - max 500 words (Please respect the word limits in the following sections - material exceeding the word limit will not be considered). If does not apply, please state N/A.**

Section E: Academic Qualifications - Multiple postgraduate degrees (e.g. Masters)

E1. **If you have more than one postgraduate degree, please state the institution(s) name(s), the qualification(s), the description(s) of degree(s), the period(s) (From-to), the grades awarded (or grade point average, or %). If it does not apply, please state N/A.**

E2. **If you have more than one postgraduate degree, please state when the other postgraduate degrees were awarded. If it does not apply, please state N/A.**

E3. **If you have more than one postgraduate degree, please list the email addresses of the awarding institutions for verification. If it does not apply, please state N/A.**

E4. **If you have more than one postgraduate degree, please list the programme of the 1st year, its subjects with grades (or grades points, or % for that year) and your place in each class (if known, if applicable). If it does not apply, please state N/A.**

E5. **If you have more than one postgraduate degree, please list the programme of the 2nd year, its subjects with grades (or grades points, or % for that year) and your place in each class (if known, if applicable). If it does not apply, please state N/A.**

E6. **If you have more than one postgraduate degree, please list the programme of the 3nd year, its subjects with grades (or grades points, or % for that year) and your place in each class (if known, if applicable). If it does not apply, please state N/A.**

E7. **Comments (Postgraduate degrees e.g. Masters).**

Section F: Experiences

F1. **Work experience (Employer name/Job title/From-to/Duties and responsibilities). If you have no statement, please write N/A.**

F2. **Academic prizes, scholarships and awards (Name/Date/Description). Provide details of any such awards you have received, indicating the name of the prize and the basis of which the award was given. (e.g. University Entrance Scholarship - awarded to students with over 560 points in final school exam). If there is no statement, please write N/A.**

F3. **Research experience and achievements (max 600 words - any excess will not be considered). If no statement, please write N/A.**

F4. **Personal Statement (max 600 words - any excess will not be considered).**

Section G: Motivations

G1. **What motivates you to do a PhD? What is the role/importance of the PhD in your career plan? (max 300 words - any excess will not be considered).**

G2. **PhD position n°1: Why have you chosen to apply to this PhD project? What are its advantages for your career plan? (max 300 words - any excess will not be considered).**

G3. **PhD position n°1: In your opinion what are the strengths of the host laboratory and the Doctoral School which will enable you to complete this PhD? (max 300 words - any excess will not be considered).**

G4. **PhD position n°1: What are the skills that you have acquired that you will use for this PhD? What skills do you think you will acquire during this PhD? (max 300 words - any excess will not be considered).**

G5. **PhD position n°1: What do you think are the qualities necessary in order to complete a PhD and more specifically the PhD which you are applying for? Can you illustrate these qualities with an example drawn from your personal experience? (max 300 words - any excess will not be considered).**

G6. **PhD position n°1: In your opinion, what is the most interesting aspect of the scientific aspects of the DC position you apply to? (max 300 words - any excess will not be considered).**

G7. **PhD position n°2: Why have you chosen to apply to this PhD project? What are its advantages for your career plan? (max 300 words - any excess will not be considered).**

G8. **PhD position n°2: In your opinion what are the strengths of the host laboratory and the Doctoral School which will enable you to complete this PhD? (max 300 words - any excess will not be considered).**

G9. **PhD position n°2: What are the skills that you have acquired that you will use for this PhD? What skills do you think you will acquire during this PhD? (max 300 words - any excess will not be considered).**

G10. **PhD position n°2: What do you think are the qualities necessary in order to complete a PhD and more specifically the PhD which you are applying for? Can you illustrate these qualities with an example drawn from your personal experience? (max 300 words - any excess will not be considered).**

G11. **PhD position n°2: In your opinion, what is the most interesting aspect of the scientific aspects of the DC position you apply to? (max 300 words - any excess will not be considered).**

G12. **PhD position n°3: Why have you chosen to apply to this PhD project? What are its advantages for your career plan? (max 300 words - any excess will not be considered).**

G13. **PhD position n°3: In your opinion what are the strengths of the host laboratory and the Doctoral School which will enable you to complete this PhD? (max 300 words - any excess will not be considered).**

G14. **PhD position n°3: What do you think are the qualities necessary in order to complete a PhD and more specifically the PhD which you are applying for? Can you illustrate these qualities with an example drawn from your personal experience? (max 300 words - any excess will not be considered).**

G15. **PhD position n°3: What are the skills that you have acquired that you will use for this PhD? What skills do you think you will acquire during this PhD? (max 300 words - any excess will not be considered).**

G16. PhD position n°3: In your opinion, what is the most interesting aspect of the scientific aspects of the DC position you apply to? (max 300 words - any excess will not be considered).

G17. PhD position n°4: Why have you chosen to apply to this PhD project? What are its advantages for your career plan? (max 300 words - any excess will not be considered).

G18. PhD position n°4: In your opinion what are the strengths of the host laboratory and the Doctoral School which will enable you to complete this PhD? (max 300 words - any excess will not be considered).

G19. PhD position n°4: What are the skills that you have acquired that you will use for this PhD? What skills do you think you will acquire during this PhD? (max 300 words - any excess will not be considered).

G20. **PhD position n°4: What do you think are the qualities necessary in order to complete a PhD and more specifically the PhD which you are applying for? Can you illustrate these qualities with an example drawn from your personal experience? (max 300 words - any excess will not be considered).**

G21. **PhD position n°4: In your opinion, what is the most interesting aspect of the scientific aspects of the DC position you apply to? (max 300 words - any excess will not be considered).**

G22. **PhD position n°5: Why have you chosen to apply to this PhD project? What are its advantages for your career plan? (max 300 words - any excess will not be considered).**

G23. **PhD position n°5: In your opinion what are the strengths of the host laboratory and the Doctoral School which will enable you to complete this PhD? (max 300 words - any excess will not be considered).**

G24. **PhD position n°5: What are the skills that you have acquired that you will use for this PhD? What skills do you think you will acquire during this PhD? (max 300 words - any excess will not be considered).**

G25. **PhD position n°5: What do you think are the qualities necessary in order to complete a PhD and more specifically the PhD which you are applying for? Can you illustrate these qualities with an example drawn from your personal experience? (max 300 words - any excess will not be considered).**

G26. **PhD position n°5: In your opinion, what is the most interesting aspect of the scientific aspects of the DC position you apply to? (max 300 words - any excess will not be considered).**

Section H: Language level

Non-native English speakers must provide evidence of B2 English proficiency before the appointment is made. The minimum requirement in an IELTS score of 6.5 or a proven B2 English level.

H1.

Are you a native english speaker?

If you are not native, have you sat the IELTS test? What score did you obtain?

Other English language qualifications and score

Section I: References

I1.

Reference n°1 (Name, Email address and Relationship to you).

Reference n°2 (Name, Email address and Relationship to you).

Reference n°3 (Name, Email address and Relationship to you).

Section J: Attachments

J1. **Please add your curriculum vitae in PDF format (Maximum size of 20 Mo) :**

J2. **Please add your cover letter in PDF format (Maximum size of 20Mo) :**

J3. **Please add your recommendation letter in PDF format (If applicable, maximum size of 20Mo) :**

J4. **If you want to add another complementary document, please do so here (Maximum size of 20Mo) :**