# PhD Application Form – Doctoral Candidate for Marie Skłodowska-Curie Doctoral Network PRIMER

Please complete all sections of the form and submit along with your supporting documents (CV, motivation letter, degree certificates, and reference contacts) in a single PDF.  
Name the pdf as follows: DCX\_FirstName\_LastName

**Name of the project you are applying for (please keep only the project you are applying for and delete the rest from the list below):**

**DC1 – GUF:** *Priming-induced morphological and physiological adaptation of tomato to heat stress*

**DC2 – GUF:** *Enhancing the priming capacity of tomato to heat stress by regulation of gene expression*

**DC3 – UGOE:** *Regulation and role of autophagy in priming-induced stem cell activity and heat stress protection*

**DC4 – GLAS:** *Modelling of priming and heat stress effects on shoot apical meristem*

**DC5 – ARO:** *Epigenetic regulation of thermotolerance priming in tomato for yield enhancement under stressful conditions*

**DC6 – IEB:** *Gametophyte reproductive fitness under heat stress*

**DC7 – UP:** *Control of leaf initiation at the shoot apical meristem by temperature priming*

**DC8 – UMIL**  
*Priming mechanisms related to gamete formation and fertilization process under heat stress*

**DC9 – GLAS**  
*The role of thermosensing and photomorphogenesis in priming plants for optimal thermotolerance.*

**DC10 – CSIC**  
*Analysis of the genetic diversity in the responses to priming for heat tolerance in tomato*

**DC11 – UPS**  
*Role of chromatin structure and epigenetic modifications on priming in tomato*

**DC12 – CUT**  
*Chemical and nanomaterial seed and plant priming towards physiological adaptation of tomato to heat stress*

## 1. Personal Information

|  |  |
| --- | --- |
| First Name |  |
| Last Name |  |
| Date of Birth (DD/MM/YYYY) |  |
| Nationality |  |
| Gender (Male / Female / Other / Prefer not to say) |  |
| Contact Email |  |
| Phone Number |  |
| Current Address |  |

## 2. Eligibility Check

Please answer the following questions.

|  |  |  |
| --- | --- | --- |
| Question | Yes | No |
| Do you hold a Master's degree or equivalent in a relevant field? |  |  |
| Do you already hold a doctoral degree? |  |  |
| Have you lived or worked in the host country for more than 12 months in the past 36 months? |  |  |

*If you answered No to the first question or Yes to either of the last two, you may not be eligible under MSCA-DN rules.*

## 3. Academic Background

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Degree | Institution | Country | Field of Study | Graduation Year |
| Bachelor’s Degree |  |  |  |  |
| Master’s Degree |  |  |  |  |
| Other Relevant Training or Courses |  |  |  |  |

## 4. Research Experience

Please briefly describe any research experience (thesis, internships, projects, etc.) relevant to the PhD position (max. 300 words, do not exceed the limit):

## 5. Motivation

Explain your motivation for applying to this PhD position and how your background aligns with the project goals (max. 500 words, do not exceed the limit):

## 6. Technical and Computational Skills

Please list the specific techniques you have experience with, under the categories below. **Proof of experience (e.g., thesis, lab reports, publications, or certificates) will be requested during the selection process**. Applicants who will not be able to provide proofs will automatically be disqualified.

|  |  |
| --- | --- |
| **Category** | **Techniques Used and level achieved (please specify)** |
| Molecular Biology (e.g., PCR, RT-qPCR, RNA/DNA extraction, cloning, CRISPR) |  |
| Breeding Techniques (crosses, molecular markers, phenotyping, genotyping) |  |
| Protein Work (e.g., Western blotting, immunoprecipitation, in vitro assays) |  |
| Metabolite Work (e.g., metabolomics, enzymatic assays) |  |
| Microscopy / Imaging (e.g., CLSM, Light Sheet Microscopy, TEM, microCT) |  |
| Bioinformatics / Omics (e.g., RNA-seq analysis, ATAC-seq, genome assembly) |  |
| Computational Tools (e.g., R, Python, ImageJ, Cytoscape, Galaxy, Linux) |  |
| Mathematical Modelling and Statistical Analysis (e.g. ODEs/PDEs, Numerical Analysis, ANOVA, clustering, regression models) |  |
| Other (please specify) |  |

## 7. References

Please provide the names and contact details of two academic referees (do not include reference letters):

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Institution | Position | Email | Phone |
|  |  |  |  |  |
|  |  |  |  |  |

## 8. Application Checklist

Please confirm the following documents are included in your application (check all that apply):

☐ Completed Application Form

☐ Curriculum Vitae (max. 3 pages)

☐ Copies of Degree Certificates and Transcripts (in English)

☐ Contact details of two referees

## 9. Signature

I confirm that the information provided in this application is accurate and complete.

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_