

MARIE SKŁODOWSKA-CURIE ACTIONS

Individual Fellowships (IF)

Call: H2020-MSCA-IF-2015

“Cyano4REST”

Cyanobacteria for restoration of degraded soils

Fellow: Sonia Chamizo de la Piedra*

Supervisor: Prof. Roberto De Philippis

Host organization: University of Florence
(Dipartimento di Scienze delle Produzioni Agroalimentari e
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1. EXCELLENCE

1.1 Quality, innovative aspects and credibility of the research

1.2 Clarity and quality of transfer of knowledge/training for the development of the researcher in light of the research objectives

1.3 Quality of the supervision and the hosting arrangements

1.4 Capacity of the researcher to reach and re-enforce a position of professional maturity in research

2. IMPACT

2.1 Enhancing research- and innovation-related skills and working conditions to realize the potential of individuals and to provide new career perspectives

2.2 Effectiveness of the proposed measures for communication and results dissemination

3. IMPLEMENTATION

3.1 Overall coherence and effectiveness of the work plan

3.2 Appropriateness of the management structure and procedures, including quality management and risk management

3.3 Appropriateness of the institutional environment (infrastructure)

3.4 Competences, experience and complementarity of the participating organisations and institutional commitment

GENERAL TIPS

- Convince everyone (“your grandmother”) that the research presented is important for the candidate, for the host organization and for Europe
- Only what is written can be evaluated
- Follow **strictly** the structure (sections, subsections...) given
- All parts of the proposal are important
- Direct, simple language (short, clear, direct sentences)
This is not an article!
- Training grant: you are going to acquire new knowledge/learn new techniques/acquire new skills (scientific and others)
- Be as much specific as you can (You can use general sentences, but adapt them to your specific case)

Summary (optional)

1. EXCELLENCE

1.1 Quality, innovative aspects and credibility of the research

State of the art: General presentation of the problem and relevance of the research

Open questions: Your project will give answer to these questions

Objectives: general and specific

Methodology: methods used to achieve the objectives

-Example: Objective 1: Task 1.1, 1.2, 1.3, 1.4...

Objective 2: Task 2.1, 2.2, 2.3....

Objective 3: Task 3.1, 3.2, 3.3...

Objective 4: Task 4.1, 4.2, 4.3, 4.4...

Originality, innovative and multidisciplinary aspects of the proposal
(impact on other fields)

References (as footnotes): only relevant references, recent, published in good journals

1.2 Clarity and quality of transfer of knowledge/training for the development of the researcher in light of the research objectives

Benefits of the project for the candidate: scientific skills, complementary skills, other skills

(Important to know the host organization)

- a) Scientific training: learning of new techniques, realization of specialized courses, writing projects...
- b) Complementary training: teaching, learning of a new language...

1.3 Quality of the supervision and the hosting arrangements

Qualifications and experience of the supervisor:

Highlights: "one of the leading groups in the world on..."

Publications

Participation in international committees, societies,

Experience in teaching

Hosting arrangements:

Innovative techniques

Collaborations

Periodic monitoring of the project

Secondment

1.4 Capacity of the researcher to reach and re-enforce a position of professional maturity in research

Brief summary of the CV

-Number of publications, publications as first author, career progression, collaboration with foreign researchers.

-You have the skills necessary to conduct the research

Ability to learn new techniques

Mobility (stays in other research Institutes)

Participation in projects

Knowledge of statistical tools

Develop proper laboratory and field work

Write papers

-Mutual benefit

2. IMPACT

2.1 Enhancing research- and innovation-related skills and working conditions to realize the potential of individuals and to provide new career perspectives

Impact at personal, scientific and European level

-Acquisition/improvement of skills based on the training received

Improve the fellow's scientific potential, independent thinking, professional maturity

New collaborations

Publications

Experience in mentoring, management, writing projects...

-Contribution to your research career (more possibilities to find a permanent position, to conduct independent research...)

-Applicability of the research (transfer of knowledge, facing environmental problems...)

2. IMPACT

2.2 Effectiveness of the proposed measures for communication and results dissemination

Three levels of communication: *Scientific (congresses, articles...)*

General public

Policy makers

2.2.1 Communication and public engagement strategy of the action

*Outreach activities: **be innovative!***

Activities at school, science museums, press release (University newsletter), social media...

2.2.2 Dissemination of the research results

Publication in peer-reviewed and open access journals

Access through institutional repositories

Congresses, symposium, workshops

Divulgate in different scientific websites

2.2.3 Exploitation of results and intellectual property rights

Patents

Data available to general public (link)

3. IMPLEMENTATION

3.1 Overall coherence and effectiveness of the work plan

-Gantt chart (use colours): viable, avoid overlapping of incompatible activities

-Separation in work packages: WP1. Management

WP2,3,4... Objectives of the project

WP5. Dissemination

WP6. Training (scientific and complementary)

3.2 Appropriateness of the management structure and procedures, including quality management and risk management

Research Services: help in contractual and financial aspects

Welcome service: support in accommodation, administrative things

Supervision of the project (seminars, conferences)

Potential risks → Contingency plan

3.3 Appropriateness of the institutional environment (infrastructure)

Quality of the center: Well-equipped laboratory, access to databases, repositories, electronic services, software updated.

3.4 Competences, experience and complementarity of the participating organisations and institutional commitment

Collaboration between groups, collaboration with companies, international networking