TECHNOLOGICKÉ CENTRUM AV ČR

# On-line školení pro projektové manažerky a manažery k přípravě MSCA Postdoctoral Fellowships ve výzvě 2022 (odpolední program)

Zuzana Šimek (Čapková), NCP pro ERC a MSCA

24. května 2022

# ON-LINE ŠKOLENÍ PRO PROJEKTOVÉ MANAŽERKY A MANAŽERY K PŘÍPRAVĚ MSCA POSTDOCTORAL FELLOWSHIPS 2022

Datum: 24. května 2022
9:30 – 16:00

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**On-line školení pro projektové manažerky a manažery k přípravě projektů MSCA Postdoctoral Fellowships do výzvy 2022 – Část 1**

## Program

Dopolední část 9:30-12:00 (základní znalost)

- Úvod do MSCA
- Funding and Tender Opportunities Portal
- Struktura projektového návrhu MSCA PF
- Finanční stránka projektů
- Etika, Otevřený přístup a další průřezová témata
- Institucionální podpora (příklady dobré praxe)
- Podpora TC poskytovaná žadatelům a institucím
- Dotazy / Diskuze

Odpolední část 12:45-16:00 (pokročilá znalost)

- Čtení a hodnocení projektu MSCA PF
- Desatero užitečných rad pro přípravu a psaní projektových návrhů
- Dotazy / Diskuze

## Prezentující

- **Magdalena Bohutínská**, *MSCA fellow, Univerzita Karlova*
- **Eva Hillerová**, *NCP pro bezpečnost, expertka na etiku, TC AV ČR*
- **Aneta Kašlíková**, *finanční a právní NCP, TC AV ČR*
- **Anna Konecká a Karolína Friessová**, *projektové manažerky, Vysoká škola chemicko-technologická v Praze*
- **Milena Lojková**, *finanční a právní NCP, TC AV ČR*
- **Zuzana Šimek**, *NCP pro MSCA, TC AV ČR*
- **Petra Vaculíková,** *projektová manažerka, Univerzita Palackého v Olomouci*
- **Jakub Zeman**, *projektový manažer, Masarykova univerzita*

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Akce se koná v rámci projektu CZERA – MS2103, financovaného MŠMT.

# INTERAKTIVNÍ ČÁST

Čtení a hodnocení projektu MSCA PF

# PROJEKTOVÝ NÁVRH MSCA POSTDOCTORAL FELLOWSHIP:

## ABSTRACT – najdete odpověď na všechny 4 otázky?

Abstract is a short summary where the researcher is supposed to clearly explain:

- the objectives of the proposal
- how they will be achieved
- their relevance to the Work Programme.

**WHAT?** is the project about/objectives, what do you want to do? (including a short introduction into the topic)

**WHY?** is it necessary to carry out such research? What will be the expected impact? (importance of the research idea)

**HOW?** will you proceed? Which novel methods will be used? (short description of your work plan)

**WHO?** Why are YOU the right person to achieve the proposed objectives? What will the project bring you in terms of career development?

## CV - Jaké jsou silné a slabé stránky žadatele?

- The **name** of the researcher, **Professional experience** (most recent first, with exact dates in format dd/mm/yyyy), **Education**, including PhD award date (most recent first, with exact dates in format dd/mm/yyyy).
- **Publications** in peer-reviewed scientific journals, peer-reviewed **conference proceedings**, and/or **monographs** (open access) and **other outputs** such as data, software, algorithms significant for your research path (open access, very short qualitative assessment of their scientific significance, not Journal Impact Factor), **Invited presentations** to internationally established conferences and/or international advanced schools, **Organisation of international conferences**, including **membership** in the steering and/or programme committee, Research **expeditions** led by the researcher, Granted **patent(s)**, Examples of **participation in industrial Innovation**, **Prizes and Awards**, **Funding** received so far, **Supervising and mentoring activities,** Other items of interest

# Abstrakt: projekt CONstrainCONverge

WHAT? WHY? HOW? WHO?

Is evolution predictable? In CONstrainCONverge, I aim to understand evolutionary mechanisms governing predictability in adaptive evolution, by asking why some genes are more likely reused by adaptation than others. Despite a rich theoretical background, systematic analysis of the mechanisms underlying convergence is lacking in complex multicellular organisms. That limits application of convergent evolutionary concepts in repeated evolution of socio-economically relevant traits such as resistance to pathogens, pesticides or pollution. To fill in this gap, I will study genetic constraints of convergent adaptation towards stressful alpine environments in plant model genus Arabidopsis. Eight independently evolved populations of alpine Arabidopsis provide a unique model of environmental adaptation, allowing to leverage an unprecedented range of genetic and experimental resources to address fundamental evolutionary questions. During my PhD I characterized this system from a population genomic point of view, preparing a ground for experimental genetic validations. In the outgoing phase, I will bring this experience to the host lab of Prof. Peichel at the University of Bern (UBERN), an expert in the evolutionary genetics of convergence in fishes. Systematic training in the host lab and three international research visits will broaden my bioinformatics and experimental skills. I will learn new multidisciplinary approaches bridging the fields of evolutionary genomics and molecular genetics through the combination of transcriptomics, statistical genomics, and functional experiments. I will return to Charles University (CU) to share the newly gained skills with local researchers and gain further training in functional genetics and transferable skills under the supervision of Prof. Lafon Placette, aiming to improve my teaching and leadership skills and establish my own research group in evolutionary genetics, a virtually non-existent field in Czech research environment.

WHAT? WHY? HOW? WHO?

# Abstrakt: projekt CONstrainCONverge

Is evolution predictable? In CONstrainCONverge, I aim to understand evolutionary mechanisms governing predictability in adaptive evolution, by asking why some genes are more likely reused by adaptation than others. Despite a rich theoretical background, systematic analysis of the mechanisms underlying convergence is lacking in complex multicellular organisms. That limits application of convergent evolutionary concepts in repeated evolution of socio-economically relevant traits such as resistance to pathogens, pesticides or pollution. To fill in this gap, I will study genetic constraints of convergent adaptation towards stressful alpine environments in plant model genus Arabidopsis. Eight independently evolved populations of alpine Arabidopsis provide a unique model of environmental adaptation, allowing to leverage an unprecedented range of genetic and experimental resources to address fundamental evolutionary questions. During my PhD I characterized this system from a population genomic point of view, preparing a ground for experimental genetic validations. In the outgoing phase, I will bring this experience to the host lab of Prof. Peichel at the University of Bern (UBERN), an expert in the evolutionary genetics of convergence in fishes. Systematic training in the host lab and three international research visits will broaden my bioinformatics and experimental skills. I will learn new multidisciplinary approaches bridging the fields of evolutionary genomics and molecular genetics through the combination of transcriptomics, statistical genomics, and functional experiments. I will return to Charles University (CU) to share the newly gained skills with local researchers and gain further training in functional genetics and transferable skills under the supervision of Prof. Lafon Placette, aiming to improve my teaching and leadership skills and establish my own research group in evolutionary genetics, a virtually non-existent field in Czech research environment.

Abstrakt by neměl obsahovat žádné důvěrné informace, které výzkumník nechce veřejně sdílet. Používat prostý psaný text, vyhnout se vzorcům a dalším speciálním znakům. Abstrakt (krátký popis návrhu) bude sloužit při hodnocení. V případě, že projekt bude navržen k financování, abstrakt bude zveřejněn v databázi CORDIS.

# PROJEKTOVÝ NÁVRH MSCA POSTDOCTORAL FELLOWSHIP:

| EXCELLENCE (50%) |
| --- |
| *1.1 Quality and pertinence of the project's research and innovation objectives (and the extent to which they are ambitious, and go beyond the state of the art)* |
| *1.2 Soundness of the proposed methodology (including interdisciplinary approaches, consideration of the gender dimension and other diversity aspects if relevant for the research project, and the quality of open science practices)* |
| *1.3 Quality of the supervision, training and of the two-way transfer of knowledge between the researcher and the host* |
| *1.4 Quality and appropriateness of the researcher's professional experience, competences and skills* |

**Instrukce**

- Četba: přečtěte si část Excellence projektového návrhu
- Individuální hodnocení: zamyslete se nad silnými a slabými stránkami, kolik bodů byste za kritérium udělili?

  5 = excellent, 0 = fails to address the criterion
- Společná diskuze:
  - Silné stránky?
  - Slabé stránky?

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# SCORING

- 0 – Proposal fails to address the criterion or cannot be assessed due to missing or incomplete information.
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- 2 – **Fair.** Proposal broadly addresses the criterion, but there are significant weaknesses.
- 3 – **Good.** Proposal addresses the criterion well, but a number of shortcomings are present.
- 4 – **Very Good.** Proposal addresses the criterion very well, but a small number of shortcomings are present.
- 5 – **Excellent.** Proposal successfully addresses all relevant aspects of the criterion. Any shortcomings are minor.

# CRITERION 1. EXCELLENCE

Strengths of the proposal:

- *The proposal is very relevant to the field of evolutionary genomics and biology, and it will advance the current knowledge about the role of genomic convergence in adaptation. The approach is innovative, particularly in experimentally testing some of the hypotheses.*
- *A thorough overview of the proposal is clearly presented, and the four research objectives are achievable.*
- *The biological model and methodology proposed are excellent to test the hypotheses underlying this proposal.*
- *The proposal is highly interdisciplinary. The multi-omics analysis will be carried out, and final results will be functionally validated, therefore providing robustness to the expected findings.*
- *It is clearly stated how the gender dimension is not relevant to this proposal.*
- *Open science practices are clearly outlined and cover all aspects of the proposal, including openly disseminating codes, submitting to preprint servers, publishing in open access journals and designing a Data Management Plan.*
- *Both supervisors for the outgoing and return phase are specialists in their fields of research, which are relevant to the topic of the proposal; their expertise is well-supported by solid track records of publications for their respective career stages. They also have good experience training young researchers and a broad international network of collaborators.*

# CRITERION 1. EXCELLENCE

Strengths of the proposal:

- *The three-way transfer of knowledge between the researcher and the two hosts is explained in detail and is convincing. The researcher‘s expertise and the two supervisors are complementary in executing the proposal.*
- *The plan for training activities is very clear and diverse, including courses, meetings and hands-on experiences on technical and soft skills.*
- *The researcher's expertise and technical skills are entirely in line with the proposal. They are strongly supported by their track record of publications in highly-recognized journals and participation in scientific conferences. Their CV is outstanding for their career level.*

# CRITERION 1. EXCELLENCE

Weaknesses of the proposal:

- *None*

# CRITERION 1. EXCELLENCE

Score: 5.00 / 5.00

# Excellence

## *1.1 Quality and pertinence of the project's research and innovation objectives (and the extent to which they are ambitious, and go beyond the state of the art)*

- Describe the quality and pertinence of the R&I objectives; are the objectives measurable and verifiable? Are they realistically achievable?
- Describe how your project goes beyond the state-of-the-art, and the extent to which the proposed work is ambitious.

IMPORTANT
✓Formulate an overarching aim of your project.
✓Fine-tune the general goal through specific objectives/aims/research questions.
✓Ensure a good state of the art, focus on your topic.
✓Original, ambitious but also feasible!

# Excellence

*1.2 Soundness of the proposed methodology (including interdisciplinary approaches, consideration of the gender dimension and other diversity aspects if relevant for the research project, and the quality of open science practices)*

- Overall methodology: Describe and explain the overall methodology, including the concepts, models and assumptions that underpin your work. Explain how this will enable you to deliver your project's objectives. Refer to any important challenges you may have identified in the chosen methodology and how you intend to overcome them.
- Integration of methods and disciplines to pursue the objectives: Explain how expertise and methods from different disciplines will be brought together and integrated in pursuit of your objectives. If you consider that an inter-disciplinary approach is unnecessary in the context of the proposed work, please provide a justification.
- Gender dimension and other diversity aspects: Describe how the gender dimension and other diversity aspects are taken into account in the project's research and innovation content. If you do not consider such a gender dimension to be relevant in your project, please provide a justification. Remember that that this question relates to the content of the planned research and innovation activities, and not to gender balance in the teams in charge of carrying out the project. Sex, gender and diversity analysis refers to biological characteristics and social/cultural factors respectively.
- Open science practices: Describe how appropriate open science practices are implemented as an integral part of the proposed methodology. Show how the choice of practices and their implementation is adapted to the nature of your work in a way that will increase the chances of the project delivering on its objectives *[e.g. up to 1/2 page, including research data management]*. If you believe that none of these practices are appropriate for your project, please provide a justification here.
- Research data management and management of other research outputs: Applicants generating/collecting data and/or other research outputs (except for publications) during the project must explain how the data will be managed in line with the FAIR principles (Findable, Accessible, Interoperable, Reusable).

# Excellence

*1.2 Soundness of the proposed methodology (including interdisciplinary approaches, consideration of the gender dimension and other diversity aspects if relevant for the research project, and the quality of open science practices)*

IMPORTANT

- ✓ Prepare your proposal in compliance with underlying principles: **Open Science**, Responsible Research & Innovation (Ethics, Gender Equality, Governance, Open Access, Public Engagement, Science Education).
- ✓ **Data management plan** submitted within the first 6 months of the project.
- ✓ New publishing platform and open peer review: Open Research Europe.

# Excellence

## *1.3 Quality of the supervision, training and of the two-way transfer of knowledge between the researcher and the host*

- Qualifications and experience of the supervisor(s). Provide information regarding the supervisors' level of experience on the research topic proposed and their track record of work, including main international collaborations, as well as the level of experience in supervising/training, especially at advanced level (i.e. PhD and postdoctoral researchers). See MSCA guidelines on supervision.

- Planned training activities for the researcher (scientific aspects, management/organisation, horizontal and key transferrable skills…).

- For *European Fellowships*: two-way transfer of knowledge between the researcher and host organisation.

- For *Global Fellowships*: three-way transfer of knowledge between the researcher, host organisation, and associated partner for outgoing phase.

- Rationale and added-value of the non-academic placement (if applicable).

# Excellence

*1.3 Quality of the supervision, training and of the two-way transfer of knowledge between the researcher and the host*

IMPORTANT

- ✓ Demonstrate that the supervisors are experts in their areas (include track record and **international collaborations**, **experience in supervising**/training especially at advanced level (PhD, postdoctoral researchers), participation in projects, publications, patents, etc.).
- ✓Explain the training objectives (list them, make a table, timing, duration…).
- ✓Indicate the activities to be carried out during secondments (if any).
- ✓Include the preparation and use of a **Personal Career Development Plan (PCDP)**: must be submitted at the beginning of the project (no later than 6 months after its start) and updated if needed throughout the project.

# Excellence

## Examples of advanced research skills:

- Training in new techniques, instruments, equipments..
- Open Science
- Big data
- Scientific writing
- Experimental design
- Quantitative and Qualitative methods
- User design....

## Examples of transferable skills:

- Entrepreneurship and innovation
- Grant writing
- Patent applications
- IPR Management and Patenting
- Leadership / Influencing courses
- Project Management
- Gender training (gender isues /gender innovation)
- Presentation Skills
- Communication training of research to non-specialists
- Ethics in Research (RRI)
- CV presentation, interview skills....

Examples taken from the MSCA IF Handbook 2020
(Net4mobility+ project)

# Excellence

## *1.4 Quality and appropriateness of the researcher's professional experience, competences and skills*

- Discuss the quality and appropriateness of the researcher's **existing** professional experience in relation to the proposed research project.
- Researchers should demonstrate how their existing professional experience, talents and the proposed research will contribute to their development as independent/mature researchers, during the fellowship.
- Explain the new competences and skills that will be acquired and how they relate to the researcher's existing professional experience.

IMPORTANT

- ✓ Include all the relevant experience (teaching, consultancy, supervision,etc.): show your leadership /independent thinking skills…
- ✓ Evaluators have to be convinced that you are the right person to carry out the activities planned and you will still gain new skills/knowledge
- ✓ This section needs to be coherent with your CV

# PROJEKTOVÝ NÁVRH MSCA POSTDOCTORAL FELLOWSHIP:

| IMPACT (30%) |
| --- |
| *2.1 Credibility of the measures to enhance the career perspectives and employability of the researcher and contribution to his/her skills development* |
| *2.2 Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities* |
| *2.3 The magnitude and importance of the project's contribution to the expected scientific, societal and economic impacts* |

**Instrukce**

- Četba: přečtěte si část Impact projektového návrhu
- Individuální hodnocení: zamyslete se nad silnými a slabými stránkami, kolik bodů byste za kritérium udělili?

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# CRITERION 2. IMPACT

Strengths of the proposal:

- *The proposal will clearly contribute to the consolidation of the researcher's current technical skills, the acquisition of new scientific knowledge, and the strengthening of their transferable skills and international network of collaborators. Overall, it is credible that this proposal will enhance the researcher's capacity to achieve their future career goal of leading an interdisciplinary research group in the field of evolutionary genetics.*
- *The dissemination plan is very good and tailored to target different audiences. Conferences to attend and topics for the several proposed publications to reach the scientific community are well-identified. Several other relevant activities are planned to maximize the impact of this action, including the organization of two workshops (during the outgoing and return phase) and teaching to graduate and undergraduate students.*
- *A variety of activities for communication to the general public are proposed. The idea of writing a popular science textbook about adaptation to novel environments is a very nice one and will help in explaining an arid subject to a non-scientific audience. Although the research proposal addresses fundamental science questions that may be hard to communicate to non-specialists, the researcher's previous experience in public engagement supports their capacity in using the proposed channels.*
- *The researcher's proposal of using their own experience with this proposal to raise awareness about time management for parents working in biology is innovative and very promising.*
- *The scientific impact of the proposal is well justified, as the increased understanding of genomic convergence in adaptation will be necessary for the evolutionary scientific community at large. Additionally, evolutionary predictability is a topic of broad interest in several fields such as pest control, microbiome design and functioning.*

# CRITERION 2. IMPACT

Weaknesses of the proposal:

- *The societal impact is not sufficiently addressed. On the contrary, the societal impact has been described in terms of the researcher‘s teaching and scientific leadership training, which is not relevant.*
- *Economic impact is not adequately addressed in the proposal.*

# CRITERION 2. IMPACT

Score: 4.60 / 5.00

# Impact

## *2.1 Credibility of the measures to enhance the career perspectives and employability of the researcher and contribution to his/her skills development*

- **Expected** skill development of the researcher.
- **Expected** impact of the proposed research and training activities on the researcher's career perspectives inside and/or outside academia.
- Articulate clearly the advantages of this fellowship for your personal career development.
- Demonstrate to what extent competences acquired during the fellowship (described in Excellence), including any secondments, will maximise the impact on your future career prospects = describing the impact they will have.

IMPORTANT

- ✓ Present the way in which the fellowship will contribute in the medium and long term to the development of your career.
- ✓ How the training received will help broaden – diversify your career and skillset.
- ✓ What's the next step in your career and what you will learn in the PF to get there.

# Impact

- *2.2 Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities*
- Plan for the dissemination and exploitation activities, including communication activities:
  - Describe the planned measures to maximize the impact of your project by providing a first version of your 'plan for the dissemination and exploitation including communication activities'.
  - Describe the dissemination, exploitation measures that are planned, and the target group(s) addressed (e.g. scientific community, end users, financial actors, public at large).
  - Regarding communication measures and public engagement strategy, the aim is to inform and reach out to society and show the activities performed, and the use and the benefits the project will have for citizens. Activities must be strategically planned, with clear objectives, start at the outset and continue through the lifetime of the project. The description of the communication activities needs to state the main messages as well as the tools and channels that will be used to reach out to each of the chosen target groups.
- Strategy for the management of intellectual property, foreseen protection measures: if relevant, discuss the strategy for the management of intellectual property, foreseen protection measures, such as patents, design rights, copyright, trade secrets, etc., and how these would be used to support exploitation.
  - Show the measures you will undertake to appropriately use your project's results – commercial vs. non-commercial
  - Mention Open Access and open data strategy (DMP = Data Management Plan to be submitted within the first 6 months of the project)
  - Outline plans to exploit any IP arising from the programme
  - Keep an eye on potential IP issues, liaise with the technology transfer services (do not forget the secondment host)

# Impact

*2.2 Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities*

Plan for the dissemination, exploitation and communication of results (to be submitted towards the end of the project)

**What are the audiences we are addressing our messages to?**

- **Scientific Community**
- **Stakeholders**
- **Policy makers**
- **Final Users**
- **Industry…**

- **General Public / Society**

DISSEMINATION
EXPLOITATION
(papers at conferences, publications in journals, open data…)

COMMUNICATION
OUTREACH
(press articles, researchers´night, blogs and videos…)

# Impact

*2.3 The magnitude and importance of the project's contribution to the expected scientific, societal and economic impacts*

- Provide a narrative explaining how the project's results are expected to make a difference in terms of impact, beyond the immediate scope and duration of the project. The narrative should include the components below, tailored to your project.
- Be specific, referring to the effects of your project, and not R&I in general in this field. State the target groups that would benefit.
  - **Expected scientific impact(s)**: e.g. contributing to specific scientific advances, across and within disciplines, creating new knowledge, reinforcing scientific equipment and instruments, computing systems (i.e. research infrastructures);
  - **Expected economic/technological impact(s)**: e.g. bringing new products, services, business processes to the market, increasing efficiency, decreasing costs, increasing profits, contributing to standards' setting, etc.
  - **Expected societal impact(s)**: e.g. decreasing CO2 emissions, decreasing avoidable mortality, improving policies and decision-making, raising consumer awareness.
- Only include such outcomes and impacts where your project would make a significant and direct contribution. Avoid describing very tenuous links to wider impacts.
- Give an indication of the magnitude and importance of the project's contribution to the expected outcomes and impacts, should the project be successful. Provide quantified estimates where possible and meaningful. 'Magnitude' refers to how widespread the outcomes and impacts are likely to be. For example, in terms of the size of the target group, or the proportion of that group, that should benefit over time; 'Importance' refers to the value of those benefits. For example, number of additional healthy life years; efficiency savings in energy supply.

# PROJEKTOVÝ NÁVRH MSCA POSTDOCTORAL FELLOWSHIP:

| QUALITY AND EFFICIENCY OF THE IMPLEMENTATION (20%) |
| --- |
| *3.1 Quality and effectiveness of the work plan, assessment of risks and appropriateness of the effort assigned to work packages* |
| *3.2 Quality and capacity of the host institutions and participating organisations, including hosting arrangements* |

**Instrukce**

- Četba: přečtěte si část Implementation projektového návrhu
- Individuální hodnocení: zamyslete se nad silnými a slabými stránkami, kolik bodů byste za kritérium udělili?

  5 = excellent, 0 = fails to address the criterion
- Společná diskuze:
  - Silné stránky?
  - Slabé stránky?

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# SCORING

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# CRITERION 3. IMPLEMENTATION

Strengths of the proposal:

- *The work plan is logical, well-structured in work packages, and specifically identified deliverables and milestones.*
- *The progress monitoring is very convincing to make successful the conduct of this proposal.*
- *Person-months allocated to each of the WPs are adequate and credible.*
- *A Gantt Chart is included and is consistent with the work plan.*
- *The risks on both the scientific and operational aspects are well identified, and the contingency plans are excellent.*
- *Hosting arrangements at both institutions are compelling for a perfect integration of the researcher, who will have the opportunity to participate in the team actively and departmental activities.*
- *Both host institutions have the necessary infrastructure for the excellent execution of the proposal, as well as administrative offices to give support to the researcher.*

# CRITERION 3. IMPLEMENTATION

Weaknesses of the proposal:

- *None*

# CRITERION 3. IMPLEMENTATION

Score: 5.00 / 5.00

# Implementation

## *3.1 Quality and effectiveness of the work plan, assessment of risks and appropriateness of the effort assigned to work packages*

- Brief presentation of the overall structure of the work plan, including deliverables and milestones.
- Timing of the different work packages and their components.
- Mechanisms in place to assess and mitigate risks (of research and/or administrative nature).
- A Gantt chart must be included and should indicate the proposed Work Packages (WP), major deliverables, milestones, secondments, placements. This Gantt chart counts towards the 10-page limit.
- The schedule in the Gantt chart should indicate the number of months elapsed from the start of the action (Month 1).

IMPORTANT

✓2-4 research packages only, consistent with Excellence section

✓WP Management: meetings with supervisor / reports to EU at the end of the PF, Mobility Declaration

✓ WP Training (and knowledge transfer): consistent with activities in Excellence section, PCDP

✓ WP Dissemination/Exploitation and Communication/Public Engagement: consistent with Impact section

✓Remark possible risks for project objectives and concrete contingency plan and mitigation actions

✓ Adapt to project!

✓ Make sure it is readable when printed

✓ Careful with colours

# Implementation

## *3.2 Quality and capacity of the host institutions and participating organisations, including hosting arrangements*

- Hosting arrangements, including integration in the team/institution and support services available to the researcher.
- Quality and capacity of the participating organisations, including infrastructure, logistics and facilities should be outlined in Part B-2 Section 5 ("*Capacity of the Participating Organisations*").
- Note that for GF, both the quality and capacity of the outgoing Third Country host and the return host should be outlined.
- If applicable, outline here the involvement of any 'associated partners linked to a beneficiary' (in particular, the name of the entity, the type of link with the beneficiary and the tasks to be carried out).

**IMPORTANT**

- ✓ Ask your Host Institution for support
- ✓ Work together with your colleagues from Project Office or Technology Transfer Office.
- ✓ If your host institution has endorsed European Charter for Researchers and Code of Conduct for the Recruitment of Researchers, include it into the proposal (HR Logo holders).
- ✓ Main tasks and commitments of the beneficiary and associated partner with the project.
- ✓ The infrastructure, logistics, facilities offered for the good implementation of your project.
- ✓ The project organisation and management structure, including the financial management strategy and the progress monitoring mechanism.

# EVALUATION RESULT

Total Score: 97.60 %

(Threshold: 70/100.00)

# EVALUATION SUMMARY REPORT

- **Výzva:** HORIZON-MSCA-2021-PF-01 / Global Postdoctoral Fellowship
- **Akronym:** CONstrainCONverge
- **Název projektu:** Constrained convergence: does pleiotropy constrain convergent alpine adaptation?
- **Hostitelská instituce:**
  - Výjezdová fáze: Universität Bern (Švýcarsko)
  - Návratová fáze: Univerzita Karlova (Česko)

- Abstrakt po podpisu grantové dohody bude zveřejněn v databázi Cordis

# DESATERO UŽITEČNÝCH RAD PRO PŘÍPRAVU A PSANÍ PROJEKTOVÝCH NÁVRHŮ

Diskuze

# S jakými podkritérii při psaní projektů mohou žadatelkám/žadatelům pomoci jejich instituce?

| Excellence | Impact | Quality and efficiency of the implementation |
|---|---|---|
| Quality and pertinence of the project's research and innovation objectives (and the extent to which they are ambitious, and go beyond the state of the art) | Credibility of the measures to enhance the career perspectives and employability of the researcher and contribution to his/her skills development | Quality and effectiveness of the work plan, assessment of risks and appropriateness of the effort assigned to work packages |
| Soundness of the proposed methodology (including interdisciplinary approaches, consideration of the gender dimension and other diversity aspects if relevant for the research project, and the quality of open science practices) | Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan, including communication activities | Quality and capacity of the host institutions and participating organisations, including hosting arrangements |
| Quality of the supervision, training and of the two-way transfer of knowledge between the researcher and the host | The magnitude and importance of the project's contribution to the expected scientific, societal and economic impacts | |
| Quality and appropriateness of the researcher's professional experience, competences and skills | | |
| **50%** | **30%** | **20%** |
| **Weighting** | | |

# Co by měl/a udělat žadatel/ka?

1. Najít si vhodného školitele a budoucí hostitelskou instituci.
2. Dobře si zvolit výzkumné téma (inspirovat se již podpořenými projekty, např. CORDIS).
3. Čerpat informace ze zadávací dokumentace (pracovní program, příručka, šablona projektového návrhu atd.)
4. Nepodcenit žádné z hodnoticích kritérií, MSCA PF není jen o excelenci ve výzkumu.
5. Začít připravovat první draft co nejdříve.
6. Zapojit do psaní školitele, příp. další členy týmu.
7. Nechat si projektový návrh přečíst více osobami (ne/experty).
8. Nechat si zkontrolovat formální náležitosti projektovým manažerem.
9. Podat projektový návrh s předstihem (možnost nahrát novou verzi do uzávěrky).
10. Nenechat se odradit, pokud to nevyjde hned napoprvé.

# Co by měla udělat instituce (pracovníci/pracovnice projektových kanceláří)?

1. Systematicky podporovat kariérní rozvoj výzkumníků od rané fáze (např. informovat o možnostech v MSCA studenty Ph.D., kariérní poradenství apod.).
2. Propagovat interně výzvu MSCA Postdoctoral Fellowships mezi potenciální žadatelky/žadatele.
3. Motivovat domácí školitelky/školitele, aby nabízeli zahraničním postdokům možnost spolupráce.
4. Účastnit se národních informačních a školicích akcí, informovat o workshopech pro žadatelky/žadatele.
5. Zkontrolovat, zda je žadatel/ka způsobilý ucházet se o MSCA PF (doktorát, 8 let praxe ve výzkumu).
6. Poskytnout informace o školeních na transferable/soft skills, která je možné absolvovat na instituci (podkritérium 1.3), a o službách poskytovaných výzkumníkům/ výzkumnicím (využitelné v podkritériu 3.1).
7. Pomoci s vyplněním tabulky Capacity of the participating organisations.
8. Zajistit, že žadatel/ka nezapomene přiložit povinnou dokumentaci, např. Letter of Commitment (Global Fellowship, non-academic placement).
9. Shromažďovat zpětnou vazbu po oznámení výsledků výzvy (Evaluation Summary Report), pracovat s ní při dalším kole příprav.
10. Asistovat žadatelce/žadateli v případě, že má zájem požádat o financování přes výzvu Mezinárodní mobilita výzkumných pracovníků z OP JAK.

Zdroj: Evropská komise

# Děkuji za pozornost.

**Zuzana Čapková**
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# MSCA z pohledu zadatele

# Motivace - proc MSCA

- Po PhD chci pokracovat ve vede, dal se vzdelavat a vyhledove si zalozit vedecky tym
- Chci se nezavisle rozvijet v oblasti, ktera me nejvice zajima a vybrat si pro to skolitele, skupinu a instituci, ktery mi pripada nejrelevantnejsi
- Chci byt flexibilni
  - Vybrat si vedecky tym
  - Vybrat si misto, kde chci posdoc prozit
  - Cas nastupu
  - Vlastni tempo prace
  - Moznost navstevovat dalsi tymy
- Vyssi prestiz a financni ohodnoceni

# Motivace - proc MSCA v CR?
# (aneb jak lidi motivovat k sepsani MSCA do Cech?)

- Chci po zahranicnim PhD domu
- Veda na vzestupu, velke mnozstvi nadsenych kolegu, casto mlade kolektivy
- Konkurence ve vede neni extremni
- Widening fellowship + Jan Amos Komensky - informovat zadatele

# Obecne

- Pochopit logiku MCSA - priprava excelentnich vedcu, kteri budou v budoucnu napadite, schopne, inovativne a eticky vest velke projekty (napr. ERC) (to je teda jen muj nazor :D)
  - Vedecky projekt hraje jen castecnou ulohu, hlavnim produktem MSCA neni prevratny vedecky objev, ale skvele pripraveny mlady vedec, ktery umi zpracovat, manazovat a zajimave prodat/popularizovat vedecke projekty
- Sehnat si co nejvice uspesnych zadosti i s hodnocenim, aktivne s nimi pracovat
- Precist si Net4Mobility Handbook, velmi aktivne s ni pracovat v prubehu strukturovani a psani navrhu, ale zaroven byt pripraven, ze se struktura behem let meni
- Mit kolem sebe lidi, kteri jsou schopni ziskavat granty a prubezne s nimi konzultovat napady a text projektu

# Obecne

- Najit si prirucku pro recenzenty, kde jsou hodnotici kriteria - jasne na vsechny prinest odpoved (neocekavat, ze jen tak vyplyne z kontextu).
- Kvalitni a srozumitelna grafika - take si nechat okomentovat.
- Nechat si na sepsani zadosti dostatek casu - idealne cca 3 mesice, aby bylo dost casu na komentare od ostatnich a doladovani
- Byt velmi konkretni - vse dolozit konkretnimi priklady
    - napr. tym ma tento journal klub, kde budu diskutovat otazky meho projektu, budu se ucasnit presne techto kurzu, ktera jsou na instituci dostupna (odkaz),...

# Role (dobreho) skolitele

- Pomoci z napadu zadatele sestavit realisticky, ale dostatecne ambiciozni projekt
  - navrhnout jake metody pridat, aby byl projekt co nejpropracovanejsi, a zadatel se co nejvice naucil
  - hlidat koherentnost a logiku celeho projektu
  - Hlidat jak dobre navrzene veci zapadaji do expertyzy jeho tymu
- Nekolikrat projekt dukladne procist a okomentovat
- Navrhnout dalsi lidi ke cteni projektu (kolegy/cleny tymu/zname uspesne zadatele)
- Seznamit zadatele s dostupnymi moznostmi institucionalni podpory
- Byt realisticky ohledne svych moznosti MSCA jako skolitel ziskat (mam granty a publikace, ktere zadatel bude moci vykazat? Je na oddeleni/fakulte nejaka zkusenost se ziskanim EU grantu?)

# Role (dobreho) projektoveho manazera

## 1. Vychytavat vhodne skolitele a uchazece

- Mit povedomi o moznych vhodnych skolitelich a zadetelech na sve instituci
- Informovat zadatele o dostupnych skolenich, motivovat, aby je absolvovali

## 2. Pomoc se psanim zadosti

- Velice dobre znat strukturu, povinne casti a hodnotici kriteria a caste chyby MSCA zadosti, aktivne na ne zadatele upozornovat
  - **Extremne dulezite**!! Zadatel je cely ponoren do odborne literatury, aby co nejlepe naplanoval projekt. Na detailni pochopeni struktury a vsech hodnoticich kriterii MSCA (stovky stran ruznych EU prirucek) casto nezbyva cas a energie.
- Pomoci se sepsanim casti souvisejicich s instituci
  - dodat veskere potrebne informace o moznych kurzech pro naplani training casti
- Nadejne zadosti peclive procist, upozornit, co je potreba doplnit a poukazat na chyby ve strukture

# Role (dobreho) projektoveho manazera

- Idelani je kvalitni podpora od obou instituci - te, kterou opoustim i hostujici
- Kazde cteni navrhu navic je velmi prinosne
- Vyznam podpory vyjezdu z instituce
  - Cast studentu se vrati a prinesou zpet zkusenosti
  - Lepsi zivotopis byvaleho skolitele - vychoval uspesneho mladeho vedce
  - Opoustejici student pomuze dalsi generaci zadatelu

# Abstrakt

- Nejdulezitejsi cast, na kterou by se mela zamerit zpetna vazba
- Nechat precist co nejvice vedcum i manazerum projektu

- Why are YOU the right person to achieve the proposed objectives? Lepsi kdyz vyplyne z kontextu a ze CV?

# CV

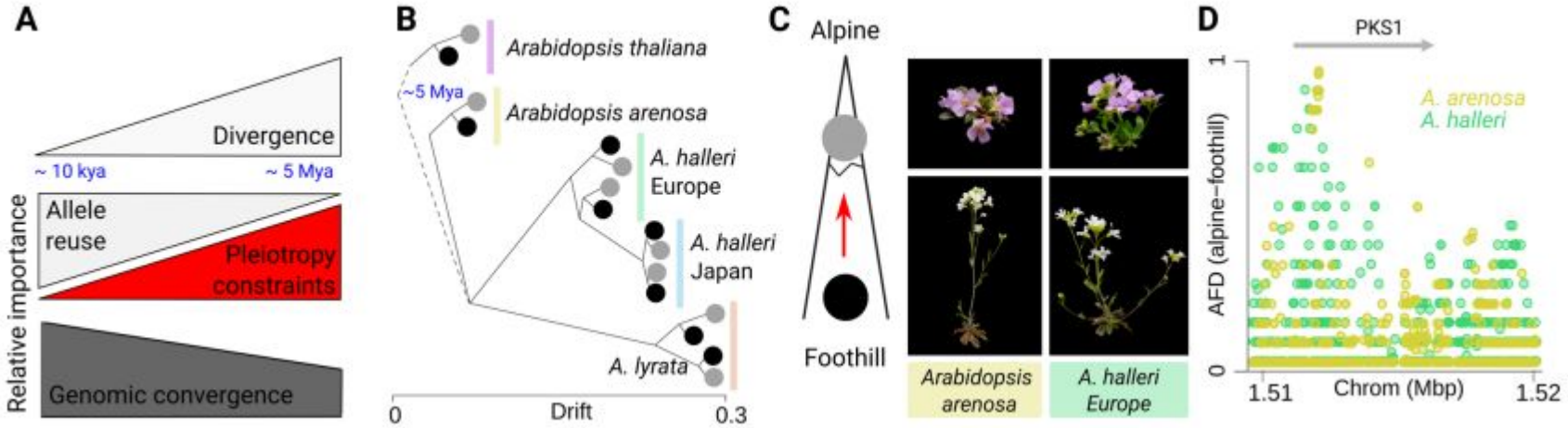
- Melo by jasne doplnovat tvrzeni v hlavnim textu. Napr. kdyz pisu ze rada popularizuji vedu, musi to byt jasne dolozeno vysledky v CV, stejne tak me vedecke kvality, podpora interdisciplinarity, Open Science,...
- Tvrzeni v CV by mela byt jasne dolozitelna a dohledatelna
- Najit si spravny casovy usek, ve kterem bude CV vypadat co nejlepe.
    - Prave mi prijali dva hlavni clanky z PhD do dobrych casopisu, idealni cas si zadost podat ted a necekat na pristi rok, kdy mi pravdepodobne zadny novy clanke nevyjde
    - Mozna mam skvele zvladle spektrum dovednosti a vedeckych schopnosti, ale mela jsem smulu a nemam zadnou lepsi publikaci - nez ztracet nekolik mesicu psanim zadosti, nevyplatil by se nejdriv domluvit si kratky posdoc v nejake vysoce kvalitni skupine, nez si zadost podam?
    - Mozna me nebavi popularizace vysledku a neresim open science - pokud chci podavat MSCA, zauvazovat o zacleneni techto aktivit?

# Excelence

- Projekt by mel skvele zapadat do expertyzy vedoucich
- Find excellent supervisor(s) - jsou take predmetem hodnceni. Recenzent musi mit pocit, ze se vedec pobytem v dane skupine vyrazne posune
  - Excelentni vedouci pravdepodobne budou take dobre vedet, jak navrh vylepsit
  - Nebat se oslovit zname vedce - MSCA fellow je pro ne v podstate posdoc ‘zadarmo’, malokdo takovou moznost odmitne
  - V ceskem prostredi: oslovovat vedecke tymy, aby se nebaly zvat mozne zadatele k sepsani spolecneho MSCA do jejich skupiny? Lakadlem mohou byt i vyssi sance diky widening fellowship - idealni pro excelentni mlade vedce bez ‘velkych’ publikaci
- Prvni a zaroven vedecka cast - nejvice propracovana (pry to byva pravidlem) :D

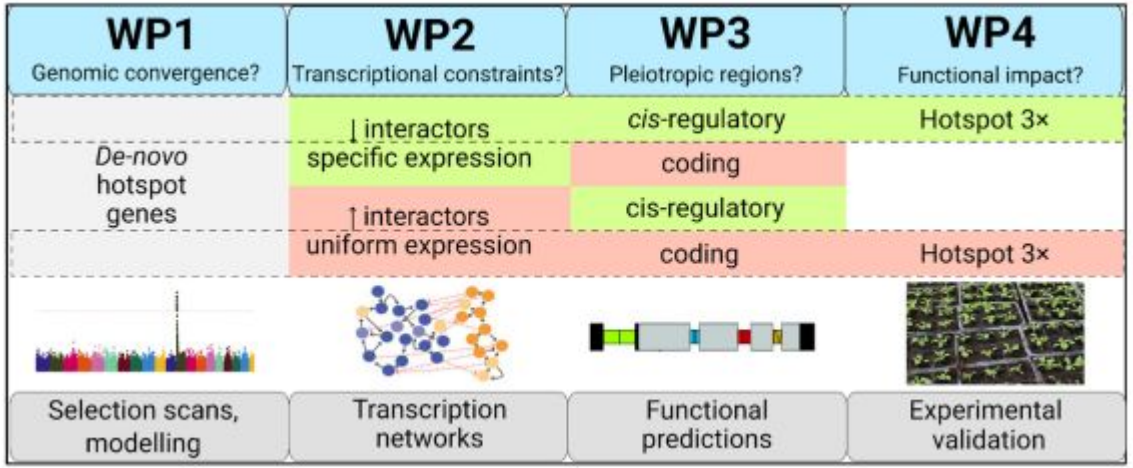
# Excelence

- Nejvetsi boj o prostor - pomoct si obrazky?
  - Pochopeni modeloveho systemu
  - Demonstrovat proveditelnost celeho projektu
  - Seskrtat metody
  - Doporucenych 5 stran, skoro vsechny navrhy vice - asi nevadi



# Excelence

Propojit aim s WPs a metodami v srozumitelnem obrazku



# Impact

- Dulezite podlozit vse v CV
  - napr. aby recenzenti videli, ze “the researcher's previous experience in public engagement supports their capacity in using the proposed channels”
- Pochopit, o cem presne psat - pro me nejhure pochopitene zadani teto casti (napr., co znamena toto: Suitability and quality of the measures to maximise expected outcomes and impacts, as set out in the dissemination and exploitation plan)
- Impact na karieru vedce, spolecnost i ekonomiku - potreba popsat vse

# Implementation

- Jako prvni krok psani zadosti zacit Gantt chart
  - Potom byt pripraven ji minimalne 10x prepracovat
- Dukladne zmapovat rizika (risks), odlisovat contingency and mitigation
- Velmi dobre pochopit rozdil mezi milestone a deliverable