# MSCA PF Online Workshop 2024 - Fellow Session -



# **Chung Hyun Cho**

Postdoctoral Researcher



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## Postdoctoral Fellowships



### **MSCA European Postdoctoral Fellowships [2 years]**

- 9월 제출 → 2월 발표 → 5-6월 시작 (연기 가능)
- 평가: research proposal (10-page research proposal)

Please check eligibility!



### NRF Postdoctoral Fellowships [1 year]: 박사후국외연수, 세종과학펠로우십 국외연수트랙

- 2-3월 제출 → 5월 발표 → 9월 시작
- 평가: research proposal (5-page research proposal)



**EMBO** 

### National (institute, university) fellowships: FWF-ESPRIT (AT), Humboldt Fellowship (DE)

Der Wissenschaftsfonds. • Supported by national grant, MSCA co-fund

### **Field-specific**

- ✓ EMBO Postdoctoral Fellowships [2 years]: research proposal (1<sup>st</sup> round) → interview (2<sup>nd</sup> round)
- ✓ HFSP Postdoctoral Fellowships [3 years]: pre-submission (1<sup>st</sup> round) → full proposal (2<sup>nd</sup> round)

## Summary

### • MSCA Fellowship 특징

- ✓ 연구 내용뿐만 아니라 다른 요소들도 매우 중요!
  - → Guideline에 있는 **모든 항목을 빠트리지 않고** 꼼꼼하게 다 작성해야 함
- ✓ 이해하기 쉽게 작성: 지원자 수가 많음 (8,039 과제) + Proposal 분량이 많음 (10+ page)
   → Reviewer가 다른 분야일 가능성 높음 + 여러 제안서를 동시에 평가
- ✓ 논문 실적보다 연구 제안서가 훨씬 중요
- Proposal: 1달 소요
  - ✓ 기존 (학위) 연구 주제와의 차별화: 재료, 방법, 주제에서 두 개 정도는 차이가 있도록
  - ✓ 지속적인 peer review 혹은 feedback 필요
    - Supervisor (PI): 여러 번 제안서 주고받기
    - 다른 분야이지만 동일한 Panel에 속할 정도의 동료: 잠재적 리뷰어
  - ✓ 중요 개념 및 평가 항목의 키워드 강조
    - Figure, table 이용
    - 개괄식 요약: 반복 O

- 뒤에서 자세히...
- Font style: bold, italic, underline, color, ...

## Information for Applicants

## **MSCA website**

## Horizon Europe MSCA - How to apply

#### Postdoctoral Fellowships - call 2024

For detailed information about the Postdoctoral Fellowships, including the eligibility conditions and implementation modalities, please check the corresponding sections in the <u>MSCA Work Programme</u> (\*\*\*), and the <u>dedicated</u> <u>Funding & Tenders portal page</u>.

Additional useful information for applicants on the Postdoctoral Fellowships can be found in the:

- Postdoctoral Fellowships Guide for Applicants 2024
- General annexes of the Work programme @
- Proposal template 2024 and instructions on how to fill it in .
- 6 steps to prepare your application for the 2024 Postdoctoral Fellowships call

기본 Guideline

평가기준

- Common mistakes in MSCA-PF proposal submission
- MSCA specific evaluation forms used by the expert evaluators ()
- Guidelines on the calculation of 8-years research experience in Postdoctoral
   Fellowships under Horizon Europe
- Postdoctoral Fellowships Self-assessment tool for the calculation of the 8-years research experience

https://rea.ec.europa.eu/funding-and-grants/horizon-europemarie-sklodowska-curie-actions/horizon-europe-msca-howapply\_en#postdoctoral-fellowships--call-2023

#### <<작성 양식>>

Call: HORIZON-MSCA-2024-PF-01: MSCA Postdoctoral Fellowships 2024

EU Grants: Application form (HE MSCA PF): V3.1 - 28.03.2024

------ Start of page count (max 10 pages) ------[This document is tagged (see instructions). Do not delete the tags; they are needed for processing.] #@APP-FORM-HEMSCAPF@#

Part B-1

1. Excellence #@REL-EVA-RE@#

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) #@QUA-LIT-QL@#

At a minimum, address the following aspects:

- 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.

#### You must mention EVERY SINGLE THING!

## Funded Projects

## 선정과제 목록 확인 방법: 독창성 및 방향성 참고용

An official website of the European Union How do you know?    European   Commission     Log in   English	Se	earch		
CORDIS - EU research results			https://cordis.europa.eu/progra ON_HORIZON-MSCA-2023-PF-0	
MSCA Postdoctoral Fellowships 2023	See all projects funded under this programme or topic	¥ Filters		<b>`</b>
Fellowships will be provided to excellent researchers undertaking international mobility. Applications will be made jointly by the researcher and a beneficiary in the academic or non-academic sector. Postdoctoral Fellowships either can take place in Europe (i.e. in an EU Member State or a Horizon Europe		Collection: Projects		× Clear all filters
<ul> <li>Associated Country) or in a Third Country not associated to Horizon Europe:</li> <li><u>European Postdoctoral Fellowships</u> are open to researchers of any nationality who wish to engage in R&amp;I projects by either coming to Europe from any country in the world or moving within Europe. The standard duration of these fellowships must be between 12 and 24 months.</li> <li><u>Global Postdoctoral Fellowships</u> are open to European nationals or long-term residents[[See eligibility conditions at the end of this Work Programme part.]] who wish to engage in R&amp;I projects with organisations outside EU Member States and Horizon Europe Associated Countries. These fellowships require an outgoin</li> </ul>		HORIZON EUROPE Moder	EvoChromoAdapt The impact of chromatin on the evolution and adaptatic ID: 101149768 From: 1 May 2024 to: 30 April 2026 MAIN HYPOTHESIS: Changes in chromatin drive evolution and adaptation in eukaryotes MAIN OBJI impact of epigenetic regulation on the evolution of eukaryotes adapted to extreme environments. To a Coordinated in: Austria Programme: Marie Skibdowska-Curie Actions (MSCA) Last update: 18 March 2024	ECTIVE: This project aims to understand the

## Review Panels

### "Scientific Area" & "Descriptor": reviewer selection, panel-specific competition

# Proposals	1074 proposals	121 proposals	1016 proposals	750 proposals	1575 proposals	160 proposals	808 proposals	1580 proposals
Cut-off	93.0	89.0	94.0	95.2	94.4	92.2	92.8	94.6
8 panels	EF-CHE	EF-ECO	EF-ENG	EF-EN¥	EF-LIF	EF-MAT	EF-PHY	EF-SOC
				Ť	T			

#### Scientific Area: LIF - Life Sciences

[Please select up to 5 descriptors (and at least 3)]

- **Descriptor 1**: L2 Genomics, comparative genomics, functional genomics •
- **Descriptor 2**: L2 Epigenetics and gene regulation ٠
- **Descriptor 3**: V3 Systems evolution, biological adaptation, phylogenetics, systematics •

Reference documents Filters 2021 - 2027 V Horizon Europe (HORIZON) V	igal documents and amme to see the	https://ec.europa tenders/opportun documents;progra 2027&framework	
	Q     Filter       (v)     Experts lists	Expand all 🤱	
	Experts list 2021 12 Experts list 2022 15	20.06.2022 22.06.2023	Potentia

.eu/info/funding-

nities/portal/screen/how-to-participate/referenceamCode=HORIZON?programmePeriod=2021-Programme=43108390

#### al reviewer candidates

## Proposal Format

- 1. General Information ("Part A"): portal에서 작성
- 2. Research Proposal ("Part B-1"): 10 page
  - ✓ 정량적인 평가 → 가장 중요!
  - ✔ 세 항목으로 구성
    - <u>Excellence</u> [50]: background, contents, novelty
    - *Impact* [30]: career development, impact of outcome + outreach
    - Quality and Efficiency of the *Implementation* [20]: timeline, risk assessment, capacity
- 3. Researcher & Institute Information ("Part B-2")

## Evaluation Report

**Evaluation Summary Report** 

Evaluation Result
Total score: 95.40 % (Threshold: 70 /100.00)
Total score (EF-LIF cut-off: 94.4)



## Research Proposal ("Part B-1")

## Subcategorize: based on the key evaluation points

## 1. Excellence [50]

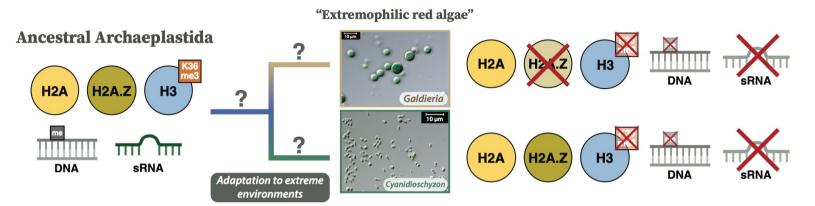
1.1 Quality and pertinence of the project's research and innovation objectives

- 1.1.1 Introduction, state-of-the-art, objectives and overview of the action
- 1.1.2 Research objectives and work packages (WP)
- 1.1.3 Originality and innovative aspects of the research programme



## Tips for Writing Proposals

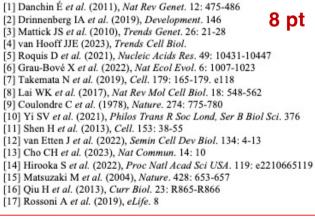
## Visualize key concepts (or results)



### **Simplify references**

histone variants and chromatin machinery in DNA repair<sup>[30]</sup>.





[18] Schönknecht G et al. (2013), Science. 339: 1207-1210 [19] Ciniglia C et al. (2004), Mol Ecol. 13: 1827-1838 [20] Miyagishima S-Y et al. (2021), Plant Cell Physiol. 62: 926-941 [21] Hisanaga T et al. (2023), Curr Biol. [22] Jamge B et al. (2023), eLife. 12 [23] Montgomery SA et al. (2020), Curr Biol. 30: 573-588.e577 [24] Ernst J et al. (2017), Nat Protoc. 12: 2478-2492 [25] Levy SF et al. (2015), Nature. 519: 181-186 [26] Ohnuma M et al. (2011), J Gen Appl Microbiol. 57: 137-143 [27] Jiang D et al. (2017), Science, 357: 1146-1149 [28] Montgomery SA et al. (2022), eLife. 11: e79258 [29] Yelagandula R et al. (2014), Cell. 158: 98-109 [30] Lorković ZJ et al. (2023), bioRxiv. 2023.2005.2019.541430 [31] Cho CH et al. (2020), BMC Evol Biol. 20: 112 [32] Park SI et al. (2023), J Phycol. 59 [33] Kim H et al. (2021), Mitochondrial DNA B Resour. 6: 2009-2011

## Tips for Writing Proposals

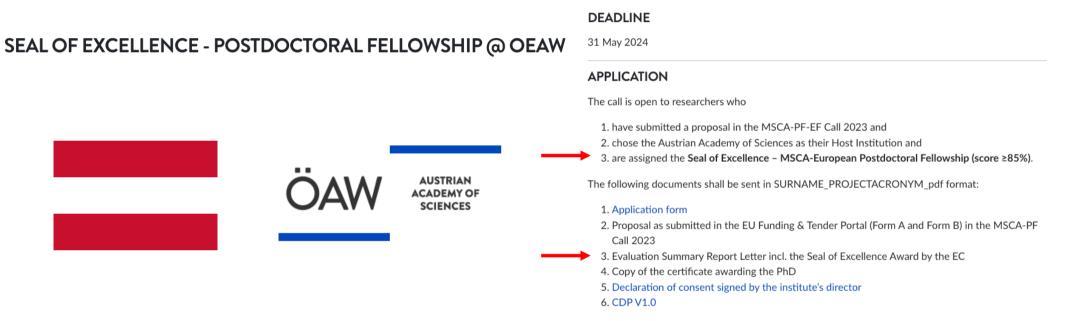
## Example of "Weakness": contingency plan

### **3.** Quality and Efficiency of the Implementation [20] **-1.6 points**

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

## After Your Application?

### "Seal of Excellence" – additional opportunity



### Extra support – from the institute or university



Extra Funding for a 3rd Year: The 10 top-ranked MSCA European Postdoctoral Fellowships awarded to the University (based on the score given by the European Commission) will receive an additional third year of salary.

### 2+1 years





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## ✤ Post-doc 지원 준비 과정

#### • 2022년 8월: 박사학위

✓ 대략적인 연구 주제 및 연구실 선정: 프랑스 (1순위), 영국, 캐나다

• 2022년 9월: Post-doc 지원

✓ 9월 이메일 → 10월 학회 (간이 인터뷰) → 2월 세미나

- 2022년 12월: 오스트리아 방문연구원 (3개월 → 연장)
  - ✓ Post-doc 결정 → PI 연구비 X
  - ✓ 과제 제안서 준비: 한국연구재단, MSCA, EMBO
- 2023년 9월: Post-doc 계약

✓ 한국연구재단 과제 선정 (5월 결과 → 9월 시작)

