

Annual Award Report to HFSPO Members

European Commission FY 2024-2025

(1 April 2024 - 31 March 2025)

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1 Executive summary

General

The HFSP Board of Trustees approved the following awards for 2024:

- 34 Research Grants out of a total of 711 eligible Letters of Intent and 100 Full Proposals (34%). Of those awarded, 25 were Research Grants-Program and 9 were Research Grants-Early Career. The success rate of HFSP Research Grants in 2024: 4.8%
- 59 Postdoctoral Fellowships out of a total of 535 Letters of Intent and 107 Full Proposals (55%). Of those awarded, 48 were Long-Term Fellowships and 11 were Cross-Disciplinary Fellowships. The success rate of HFSP Fellowships in 2024: 11%

European Commission

With awards starting in 2024, HFSP will support:

- Sixteen EU based scientists who are involved in 14 out of the 34 HFSP Research Grants awarded in 2024. Five scientists are Research Grants-Early Career team members, of which one is a principal-investigator. Eleven scientists were awarded Research Grants-Program, of which five are principal investigators.
- Ten scientists from European countries who were awarded Long-Term Fellowships (eight) and Cross-Disciplinary Fellowships (two).
- Four Long-Term Fellows and one Cross-Disciplinary Fellow who will work in research institutions in Austria, Belgium and Portugal.

For awards in previous years, see *Chapter 4 European Commission 1990-2024*

2 Introduction to HFSP programs

The International Human Frontier Science Program Organization (HFSP) funds an international program of research support for frontier research on the complex mechanisms of living organisms through the Human Frontier Science Program (HFSP). Research is funded at all levels of biological complexity from biomolecules to the interactions between organisms.

Key elements of HFSP's mission are to support innovative, cutting edge research at the frontiers of the life sciences, to encourage high risk research, to promote international collaboration in the spirit of science without borders, and to support early career researchers.

HFSP schemes are highly competitive, but also highly prestigious. This prestige, together with the fact that the schemes provide researchers with unique opportunities to work collaboratively across all countries and disciplines, attracts many outstanding applications each year.

HFSP Research Grants (Research Grants-Program and Research Grants-Early Career) provide 3 years of support for international teams involving at least two countries. Preference is given to intercontinental collaborations (rather than all N. American or all European teams). All team members are expected to broaden the character of their research compared to their ongoing research programs and interact with teams bringing expertise that is very different from their own so as to create novel approaches to problems in fundamental biology. All members of a Research-Grant Early Career team must be within 5 years of establishing their independent research group and no more than 10 years from their doctoral degree. Research Grant-Program teams may consist of team members at any stage of their career as independent investigators. Each grant is an award to at least two researchers from different countries. Furthermore, HFSP expects that by creating new exchanges, these international interactions will lead to innovative projects.

There is a single annual competition for HFSP Research Grants and a full description of the review process is available at:

https://www.hfsp.org/funding/hfsp-funding/research-grants#review_procedures

HFSP Fellowships support innovative, ground-breaking projects that have the potential to advance knowledge in the applicants' field of study or open a new approach to a research problem. High risk research is supported.

Long-Term Fellowships support applicants with a degree in the life science to obtain training in a new area of research in an outstanding laboratory of their choice in another country. *Cross-Disciplinary Fellowships* are intended for postdoctoral fellows with a degree outside the life sciences (e.g. physical sciences, chemistry, mathematics, engineering or computer sciences) who wish to receive training in biology. HFSP Fellows receive 3 years of support to obtain training in an outstanding laboratory of their choice in another country. The annual competition for HFSP Fellowship awards is explained in detail at <http://www.hfsp.org/funding/postdoctoral-fellowships>.

3 Awards in 2024 for the EU

HFSP support provided to EU and non-EU scientists working in EU laboratories, and EU scientists working abroad.

3.1. Overview

Research Grants

Number of grants awarded to leaders of international teams working in the EU (principal investigators):

Research Grants-Program 5

Research Grants-Early Career 1

Scientists working in the EU who will collaborate in HFSP international research teams (co-investigators):

Research Grants-Program 6

Research Grants-Early Career 4

Fellowships

Number of fellowships awarded to EU applicants:

Long-Term Fellowships 8

Cross-Disciplinary Fellowships 2

Number of fellowships awarded to foreign scientists who wish to work in the EU:

Long-Term Fellowships 4

Cross-Disciplinary Fellowships 1

3.2 Research Grants 2024

Grants awarded to leaders of international teams working in the EU (principal investigators)

Research Grants-Program

AUSTRIA

TESSMAR-RAIBLE Kristin (Germany)	Dept. of Microbiology, Immunobiology and Genetics University of Vienna	Temporal structures in complex deep- sea versus surface marine life: from molecules to communities
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DENMARK

KIORBOE Thomas	Dept. of Aqua Technical University of Denmark Kgs. Lyngby	Functional ecology of flagellates sheds new light on early eukaryotic evolution.
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PORTUGAL

XAVIER Karina	Bacterial Signalling Lab. Fundacao Calouste Gulbenkian Oeiras	Hormone-like Bacterial Signaling Molecules as Mediators of Gut-Brain Dialogues
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SPAIN

VIANA Felix	Dept. of Cellular and Systems Neurobiology Instituto de Neurociencias de Alicante Sant Joan d'Alacant	Understanding the molecular basis of animal cold thermosensation
TREPAT Xavier	Dept. of Integrative cell and tissue dynamics Institute for Bioengineering of Catalonia Barcelona	Physical forces and mechanotransduction during mouse embryo implantation

Research Grants-Early Career

SPAIN

RUIZ-GARCIA Miguel	Depto de Estructura de la Materia, Física Térmica y Electrónica Universidad Complutense de Madrid	The Emergence of Collective Intelligence: Understanding Human Behavior through AI Agents
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Scientists working in the EU who will collaborate in HFSP international research teams (co-investigators)

Research Grants-Program

BELGIUM

<i>PI: BABIN Marcel, Canada</i>		
FRIPIAT Francois	Dept. of Geosciences, Environment and Society Université libre de Bruxelles (ULB)	Trapped in ice

NETHERLANDS

PI: TREPAT Xavier, Spain

HIIRAGI Takashi
(Japan) Dept. of Multi Cellular Coordination
Hubrecht Institute
Utrecht

Physical forces and
mechanotransduction during mouse
embryo implantation

SPAIN

PI: CASTRILLO Gabriel, UK (Spain)

VALLI Adrian
(Argentina) Dept. of Plant Molecular Genetics
National Center of Biotechnology (CSIC)
Madrid

3D-bioprinting meets machine
learning: a novel tool to decipher the
determinants of viral tropism.

PI: COUDRET Christophe, France

TUVAL Idan Mediterranean Institute for Advanced
Studies - CSIC
Espinosa

Illuminating Microbial Communication
Networks: The Phycosphere lab

PI: LESMAN Ayelet, Israel

ZAERA POLO Ramon Dept. of Continuum Mechanics and
Structural Analysis
Carlos III University of Madrid (UC3M)
Leganes

Vibrational information transfer
between living cells in the
extracellular matrix

SWEDEN

PI: VIANA Felix, Spain

DALEN Love Dept. of Zoology
Stockholm University

Understanding the molecular basis of
animal cold thermosensation

Research Grants-Early Career

NETHERLANDS

PI: DUNNING Luke, UK

REIJERS Valerie Dept. of Physical Geography
Utrecht University (UU)

S3: Securing shifting sands – from
genes to geoengineering

PI: MANHART Michael, USA

WORTEL Meike Dept. of Microbiology
University of Amsterdam

How predictable is evolution? Eco-
evolutionary dynamics of fungi across
biological scales

SPAIN

PI: MONGERA Alessandro, UK (Italy)

ALMUEDO-CASTILLO
Maria Dept. of Gene regulation and
morphogenesis, Centro Andaluz de Biología
del Desarrollo/ CSIC
Sevilla

Mechanical control of hidden
embryonic boundaries

SWEDEN

PI: HUSNIK Filip, Japan (Czech Republic)

STAIRS Courtney
(Canada) Dept. of Biology
Lund University

Deciphering the evolution, cellular
biology and biogeochemistry of
symbioses in anaerobic eukaryotes

3.3 Fellowships 2024

Fellowships awarded to EU applicants

Long-Term Fellowships

AUSTRIA

MIEHL Christoph Austria	From	Technical University Munich Munich Germany	<i>Reward-based learning of assemblies in olfaction</i>
	To	The University of Chicago Chicago USA	Supervisors: DOIRON Brent OSWALD Anne-Marie

FINLAND

DUFVA Olli Finland	From	University of Helsinki Helsinki Finland	<i>Deciphering genomic determinants of immunity in tumour organoid models at single-cell resolution</i>
	To	Wellcome Sanger Institute Cambridge UK	Supervisor: GARNETT Mathew

GREECE

LIAKOS Anastasios Greece	From	National and Kapodistrian University of Athens Athens Greece	<i>Chromatin rejuvenation and DNA damage responses during ageing of human chromosomes</i>
	To	University Medical Center Göttingen Göttingen Germany	Supervisor: PAPANTONIS Argyris

LITHUANIA

BOREIKAITE Vytaute
Lithuania

From University of Cambridge
Cambridge
UK

***Structural basis of the human
spliceosome quality control***

To Research Institute of Molecular
Pathology
Vienna
Austria

Supervisor:
PLASCHKA Clemens

THE NETHERLANDS

BORM Lars
The Netherlands

From Karolinska Institutet
Stockholm
Sweden

***Combining spatial-omics with AI
to model developmental gene
regulation in space and time***

To VIB Institute for Biotechnology
Leuven
Belgium

Supervisor:
AERTS Stein

DE HAAN Diede
The Netherlands

From Weizmann Institute of Science
Rehovot
Israel

***Reconstructing the ancestral
architecture of animal cells***

To Institut Pasteur
Paris
France

Supervisor:
BRUNET Thibaut

PORTUGAL

SILVA Marta
Portugal

From University of Barcelona
Barcelona
Spain

***The neural basis of naturalistic
memory***

To Columbia University
New York
USA

Supervisor:
JACOBS Joshua

SPAIN

SANCHÍS CALLEJA
Fátima
Spain

From ETH Zurich
Zurich
Switzerland

To Harvard University
Cambridge
USA

*Understanding the role of
endometrial
compartmentalization in
menstruation*

Supervisor:
MCKINLEY Kara

Cross-Disciplinary Fellowships

AUSTRIA

RIEDL Michael
Austria

From Institute of Science and Technology
Austria
Klosterneuburg
Austria

To TU Dresden
Dresden
Germany

*Mechano-chemical coupling in
cytoplasmic flows: the
competition between self-
organization and chaos*

Supervisor:
BRUGUES Jan

SLOVENIA

PAVLIC Alen
Slovenia

From ETH Zurich
Zurich
Switzerland

To California Institute of Technology
Pasadena
USA

*Ultrasound neuromodulation:
search for the physical origin*

Supervisor:
SHAPIRO Mikhail

Fellowships awarded to foreign scientists who wish to work in the EU

Long-Term Fellowships

AUSTRIA

BOREIKAITE Vytaute Lithuania	From	University of Cambridge Cambridge UK	<i>Structural basis of the human spliceosome quality control</i>
	To	Research Institute of Molecular Pathology Vienna Austria	Supervisor: PLASCHKA Clemens

BELGIUM

BORM Lars The Netherlands	From	Karolinska Institutet Stockholm Sweden	<i>Combining spatial-omics with AI to model developmental gene regulation in space and time</i>
	To	VIB Institute for Biotechnology Leuven Belgium	Supervisor: AERTS Stein
CAMPETELLA Florencia Argentina/Spain	From	Max Planck Institute for Chemical Ecology Jena Germany	<i>Unraveling the genetic basis of natural variation in secretion pathways</i>
	To	VIB Institute for Biotechnology Leuven Belgium	Supervisor: VERSTREPEN Kevin

PORTUGAL

SÁNCHEZ Juan
Argentina

From Instituto de Agrobiotecnología del
Litoral, UNL-CONICET
Santa Fe
Argentina

***Unraveling the cellular and
molecular dynamics of adult
neurogenic niches***

To Champalimaud Foundation
Lisbon
Portugal

Supervisor:
RHINER Christa

Cross-Disciplinary Fellowships

AUSTRIA

HIDAKA Takuya
Japan

From Kyoto University
Kyoto
Japan

***Molecular mechanism of sister
chromatid resolution in
replicated human chromosomes***

To Institute of Molecular Biotechnology
Vienna
Austria

Supervisor:
GERLICH Daniel

4 European Commission 1990-2024

This section summarizes European Commission's involvement in HFSPo funded research projects in 2024 and integrates a historical perspective with running totals over the last 10 years.

4.1 HFSP Research Grants

The table below lists the number of EU based scientists at the Letter of Intent (LI) stage and those scientists who participated in a Full Proposal. The data shown in the table express the status at the time of submitting the application to HFSP. Scientists may have moved their laboratory to a different country in the years after receiving HFSPo support.

Year	Letters of Intent (LI)		Full Proposals (FP)		Awardees (AW)	
	All team members	EU based scientists	All team members	EU based scientists	Total Awarded	EU based Awardees
1990-2014	28944*	4510	17891+	2213	3607	357
2015	3092	498	252	40	98	10
2016	2604	404	272	32	100	12
2017	3208	490	252	36	98	12
2018	2321	376	251	30	102	13
2019	2394	364	268	31	105	10
2020	2051	313	256	42	86	14
2021	2062	369	292	45	94	11
2022	2032	349	206	35	100	21
2023	1672	276	247	37	107	18
2024	1978	328	313	53	108	16
Total	52358	8277	20500	2594	4605	494

*there were no Letters of Intent in the application process before 2001

+ for 1990/91, there is no information available on the number of applicants

The table below lists the number of teams including EU based scientists in the last 10 years.

Year	Letters of Intent (LI)	Full Proposals (FP)	Awardees (AW)	Success rate based on LIs (%)	Success rate based on FPs (%)	Total Awarded teams
	Teams with member (s) in EU	Teams with member (s) in EU	Teams with member (s) in EU			
2015	396	31	9	2,3	29,0	31
2016	315	28	10	3,2	35,7	32
2017	394	30	9	2,3	30,0	30
2018	312	27	11	3,5	40,7	31
2019	300	28	9	3,0	32,1	34
2020	262	36	12	4,6	33,3	28
2021	290	41	9	3,1	22,0	28
2022	288	29	18	6,2	62,1	32
2023	235	35	18	7,7	51,4	34
2024	277*	44**	14***	5,0	31,8	34

*2 teams with 3 EU based members and 47 with 2 EU based members/

**8 teams with 2 EU based members+ 1 move from FR to NL

*** 2 teams with 2 EU based members.

4.2 HFSP Postdoctoral Fellowships

The table below shows the number of fellowship applications reviewed and awards granted to EU applicants and the number of fellowships applied for and carried out in the EU.

Award year	EU fellowship applicants	Total applicants	EU fellowship awardees	Total awards	EU countries as proposed host countries by fellowship applicants	EU countries as host countries of HFSP fellows
1990-2014*	3,071	16,150	487	2,844	1,108	102
2015	161	788	9	75	93	6
2016	132	697	7	75	77	5
2017	154	776	12	72	84	7
2018	106	588	14	90	72	15
2019	92	580	16	82	76	5
2020	93	544	6	65	82	7
2021	115	665	14	56	92	6
2022	80	493	10	65	99	8
2023	71	429	6	50	74	5
2024**	83	535	10	59	80	5
Total	4,158	22,245	591	3,533	1,937	171

* The number of candidates from and to the EU for award year 1990 to 1992 is not available.

** The figures for 2024 reflect the awards approved by the Board of Trustees in March 2024 and may be subject to change.

5 International distribution of 2024 awards

As last year, this section shows tabular breakdown according to country (location of laboratory), nationality and host country (of HFSP fellowship holders) for 2024 Awards.

In addition, this year, new figures present a country comparison for the complete record and the last 10 years of HFSP awards for MSP and a separate presentation for the awardees in or from European countries.

5.1 Research Grants 2024

34 grants were awarded (25 Research Grants-Program and 9 Research Grants-Early Career). Each grant is an award to at least two researchers from different countries. The Principal Investigator is responsible for submitting the application and coordinating the collaboration.

The countries in which the 34 Principal Investigators and the 74 co-applicants work are shown in Table I, together with the total number of applications. Their nationalities are shown in Table II.

Table I Applicants / Awardees listed by COUNTRY - Research Grants

<i>RG-P= Program</i> <i>RG-EC= Early Career</i>	Letters of Intent*			Full Proposals			Awardees		
	RG-P	RG-EC	TOTAL	RG-P	RG-EC	TOTAL	RG-P	RG-EC	TOTAL
Australia	67	5	72	8	1	9	3	0	3
Canada	76	18	94	10	2	12	3	1	4
EU	262(a)	66(a)	328(a)	40(b)	13(b)	53(b)	11(c)	5(c)	16(c)
France	105	6	111	20	1	21	9	0	9
Germany	148	28	176	21	3	24	7	2	9
India	41	9	50	5	0	5	0	0	0
Israel	69	14	83	19	1	20	8	0	8
Italy	64	10	74	5	1	6	1	0	1
Japan	95	12	107	13	3	16	4	2	6
Korea	8	5	13	1	0	1	0	0	0
New Zealand	6	0	6	1	0	1	1	0	1
Norway	22	3	25	2	1	3	0	1	1
Singapore	28	3	31	5	0	5	0	0	0
South Africa	10	7	17	2	1	3	0	1	1
Switzerland	45	5	50	6	1	7	1	0	1
UK	144	24	168	31	9	40	12	6	18
USA	371	87	458	62	14	76	20	7	27
Non MSPs	92(a')	23(a')	115(a')	8(b')	3(b')	11(b')	2(c')	1(c')	3(c')
TOTAL	1653	325	1978	259	54	313	82	26	108

*Eligible Letters of Intent

(a) EU Letters of Intent

RG-P: Austria 18, Belgium 15, Czech Republic 16, Denmark 20, Estonia 2, Finland 4, Greece 2, Hungary 3, Ireland 9, Malta 1, Netherlands 54, Poland 5, Portugal 17, Romania 2, Slovakia 1, Slovenia 3, Spain 60, Sweden 30.

RG-EC: Austria 5, Belgium 5, Czech Republic 1, Denmark 4, Estonia 1, Finland 1, Greece 2, Ireland 3, Netherlands 17, Portugal 5, Slovakia 1, Slovenia 1, Spain 14, Sweden 6.

(b) EU Full Proposals

RG-P: Austria 3, Belgium 4, Czech Republic 2, Denmark 3, Hungary 1, Ireland 2, Netherlands 8, Poland 2, Portugal 4, Slovenia 1, Spain 7, Sweden 3.

RG-EC: Austria 1, Belgium 1, Netherlands 6, Spain 4, Sweden 1.

(c) EU Awardees

RG-P: Austria 1, Belgium 1, Denmark 1, Netherlands 1, Portugal 1, Spain 5, Sweden 1.

RG-EC: Netherlands 2, Spain 2, Sweden 1.

(a') Non MSPs Letters of Intent

RG-P: Argentina 10, Brazil 14, Cameroon 1, Chile 10, China 14, Colombia 5, Costa Rica 1, Cuba 1, DR Congo 1, Ethiopia 1, Ghana 2, Malaysia 1, Mexico 4, Nigeria 1, Pakistan 2, Panama 1, Peru 1, Serbia 1, Taiwan 5, Tunisia 1, Turkey 6, Uganda 1, United Arab Emirates 3, Uruguay 4, Vietnam 1.

RG-EC: Argentina 1, Bangladesh 1, Botswana 1, Brazil 2, Cameroon 1, Chile 1, China 5, Ethiopia 1, Kenya 1, Lebanon 1, Mexico 1, Taiwan 2, Thailand 1, Uganda 1, United Arab Emirates 2, Zimbabwe 1.

(b') Non MSPs Full Proposals

RG-P: Argentina 2, Chile 1, China 4, Uruguay 1.

RG-EC: Ethiopia 1, Hong Kong 1, Taiwan 1.

(c') Non MSPs Awardees

RG-P: Argentina 1, China 1.

RG-EC: Ethiopia 1.

Table II Applicants / Awardees listed by NATIONALITY - Research Grants

RG-P= Program RG-EC= Early Career	Letters of Intent*			Full Proposals			Awardees		
	RG-P	RG-EC	TOTAL	RG-P	RG-EC	TOTAL	RG-P	RG-EC	TOTAL
Australia	52	6	58	3	1	4	1	0	1
Canada	74	22	96	11	5	16	2	2	4
EU	290(a)	65(a)	355(a)	49(b)	11(b)	60(b)	11(c)	6(c)	17(c)
France	91	13	104	16	1	17	7	0	7
Germany	153	24	177	21	2	23	9	1	10
India	59	24	83	14	4	18	3	0	3
Israel	74	16	90	19	1	20	8	0	8
Italy	106	18	124	12	5	17	4	2	6
Japan	101	10	111	16	2	18	5	1	6
Korea	10	4	14	1	0	1	0	0	0
New Zealand	10	0	10	3	0	3	2	0	2
Norway	7	2	9	0	1	1	0	1	1
Singapore	11	2	13	1	0	1	0	0	0
South Africa	8	6	14	1	2	3	0	2	2
Switzerland	28	4	32	3	0	3	1	0	1
UK	94	11	105	18	3	21	9	3	12
USA	317	57	374	51	12	63	15	6	21
Non MSPs	163(a')	41(a')	204(a')	19(b')	4(b')	23(b')	4(c')	2(c')	6(c')
TOTAL	1653**	325	1978**	259**	54	313**	82**	26	108**

*Eligible Letters of Intent, **Unknown nationalities: 5 RGP for letters of Intent and 1 RG-P for full proposals and awards

(a) EU Letters of Intent

RG-P: Austria 13, Belgium 17, Bulgaria 1, Croatia 3, Cyprus 1, Czech Republic 12, Denmark 13, Estonia 2, Finland 7, Greece 12, Hungary 10, Ireland 13, Malta 1, Netherlands 45, Poland 10, Portugal 20, Romania 5, Slovakia 4, Slovenia 3, Spain 76, Sweden 22.
RG-EC: Austria 3, Belgium 2, Croatia 2, Czech Republic 1, Denmark 3, Greece 6, Hungary 1, Ireland 5, Netherlands 9, Poland 1, Portugal 5, Slovakia 1, Slovenia 2, Spain 21, Sweden 3.

(b) EU Full Proposals

RG-P: Belgium 2, Croatia 1, Czech Republic 1, Denmark 3, Finland 2, Greece 4, Hungary 1, Ireland 4, Netherlands 8, Poland 2, Portugal 6, Slovenia 1, Spain 11, Sweden 3.
RG-EC: Czech Republic 1, Netherlands 3, Poland 1, Spain 6.

(c) EU Awardees

RG-P: Belgium 1, Denmark 2, Portugal 2, Spain 5, Sweden 1.
RG-EC: Czech Republic 1, The Netherlands 2, Spain 3.

(a') Non MSPs Letters of Intent

RG-P: Albania 1, Argentina 16, Belarus 1, Brazil 22, Cameroon 1, Chile 10, China 30, Colombia 8, Costa Rica 1, Cuba 1, DR Congo 1, Egypt 1, Ethiopia 1, Ghana 2, Iceland 1, Indonesia 1, Iran 1, Madagascar 1, Malaysia 5, Mexico 6, Nigeria 3, Pakistan 3, Panama 1, Papua New Guinea 1, Peru 2, Russia 7, Senegal 1, Serbia 1, Taiwan 5, Thailand 1, Tunisia 1, Turkey 13, Uganda 1, Ukraine 4, United Arab Emirates 1, Uruguay 3, Vietnam 4.
RG-EC: Algeria 1, Argentina 4, Bangladesh 1, Brazil 3, Cameroon 2, Chile 1, China 10, Ethiopia 1, Kenya 2, Lebanon 1, Macedonia 1, Malaysia 1, Mexico 2, Russia 2, Taiwan 3, Thailand 1, Uganda 1, Vietnam 1, Zimbabwe 3.

(b') Non MSPs Full Proposals

RG-P: Argentina 3, Chile 1, China 4, Colombia 1, Egypt 1, Madagascar 1, Malaysia 2, Russia 2, Turkey 1, Ukraine 2, Uruguay 1.
RG-EC: Algeria 1, Ethiopia 1, Russia 1, Taiwan 1.

(c') Non MSPs Awardees

RG-P: Argentina 2, Madagascar 1, Russia 1.
RG-EC: Ethiopia 1, Russia 1.

Fig. 1: Number of Research Grant applicants 1992-2024 and in the last ten years (2015-2024) (upper panel) and Research Grant awardees 1990-2024 and 2015-2024 (lower panel) by country where the research laboratory was located (until 2001 Research Grants were evaluated in single step of Full Proposals but as of 2002 the numbers represent submitted Letters of Intent).

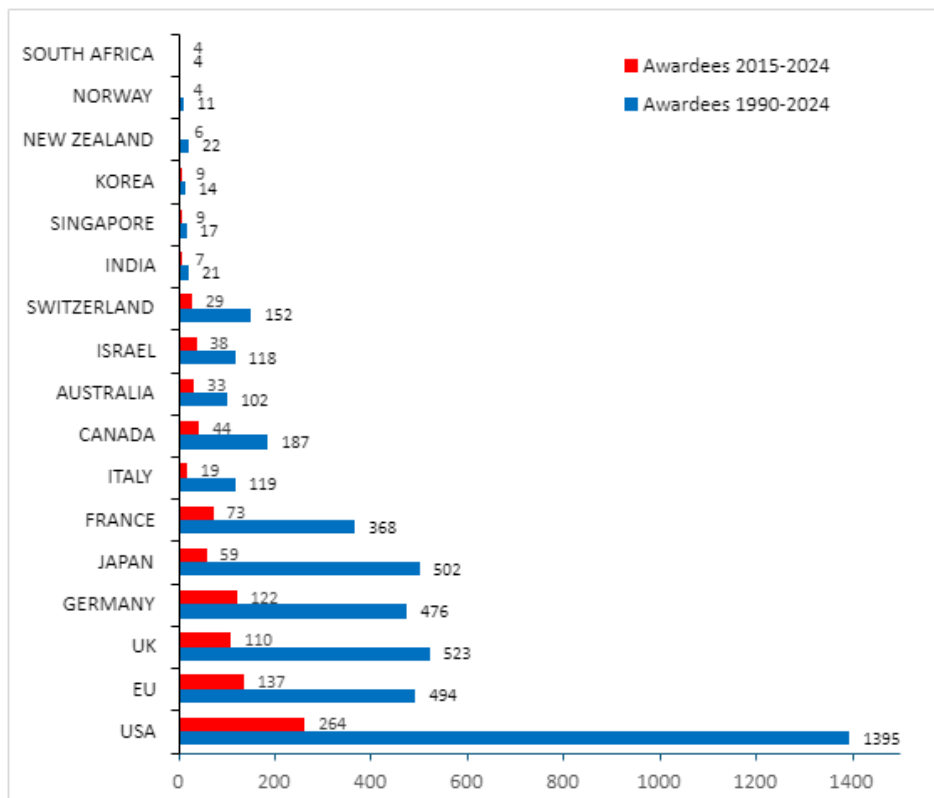
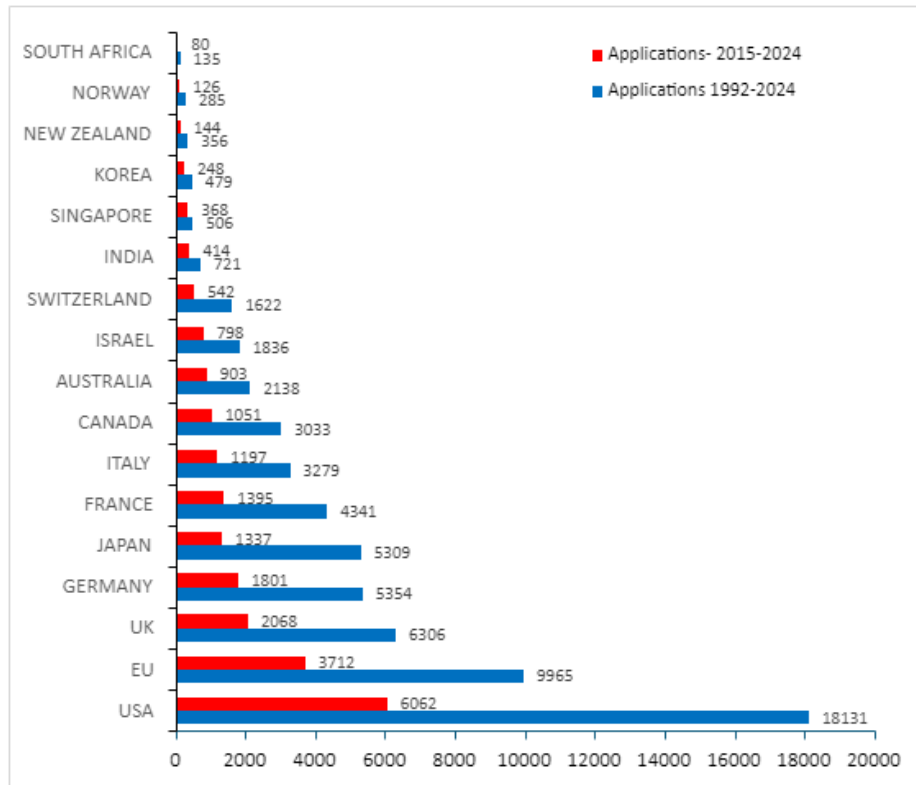
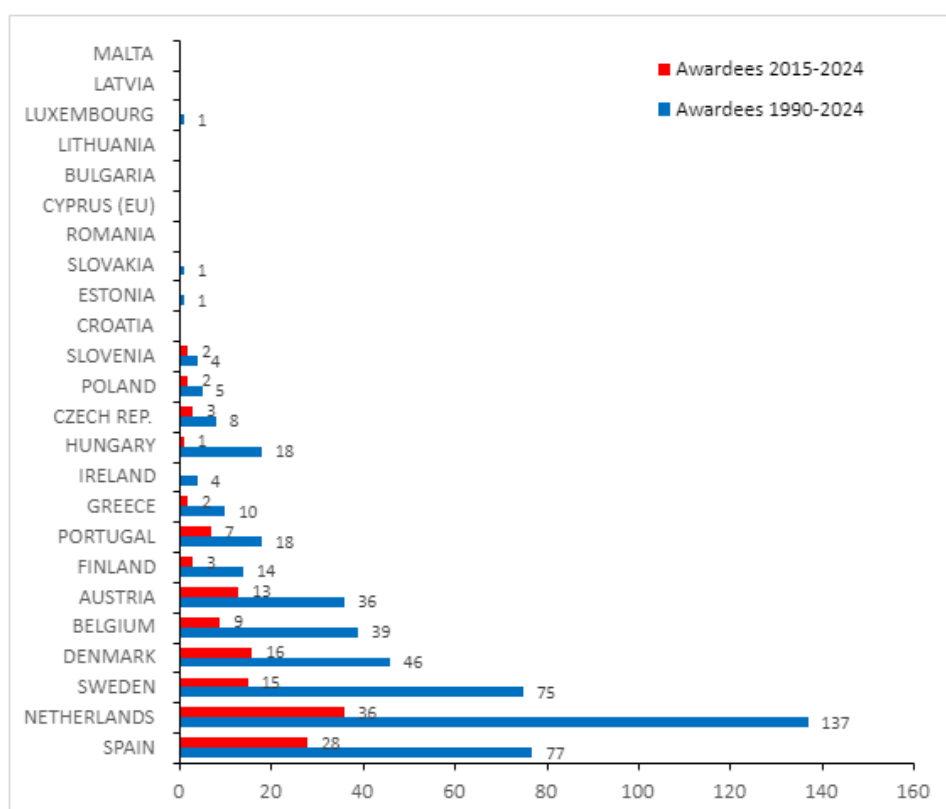
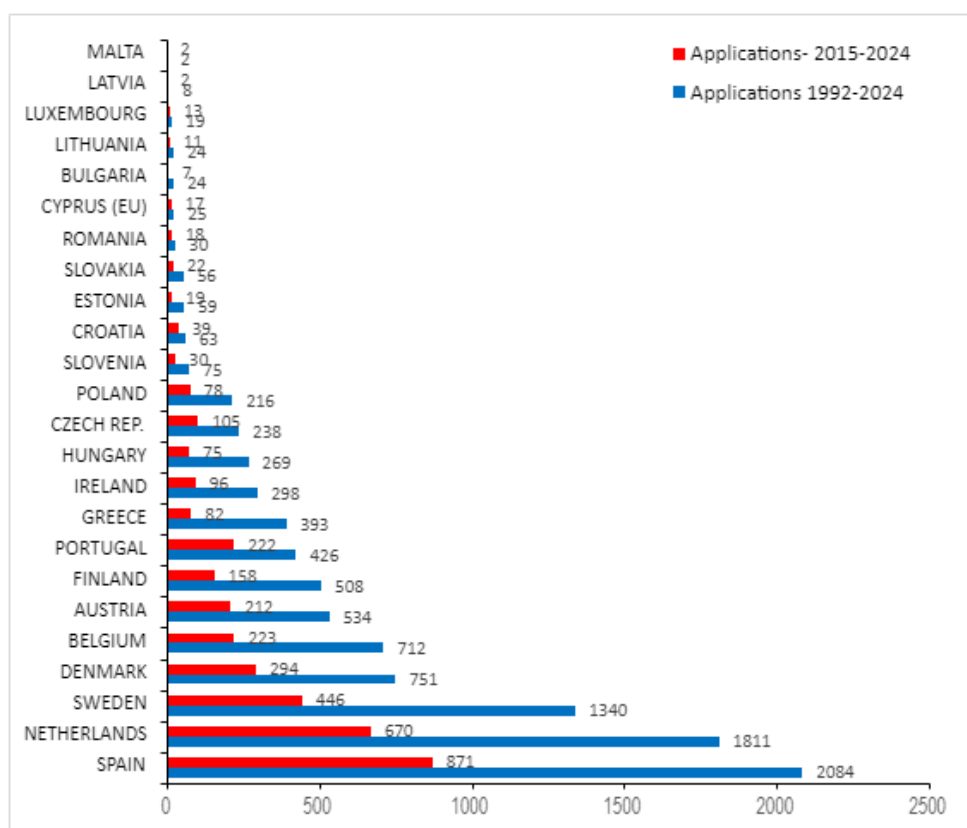


Fig. 2: Number of Research Grant applicants 1992-2024 and 2015-2024 (upper panel) and Research Grant awardees 1990-2024 and 2015-2024 (lower panel) in European countries (excluding Germany, France and Italy).



5.2 Fellowships 2024

In 2024, 535 fellowship letters of intent were reviewed. 48 Long-Term Fellowships and 11 Cross-Disciplinary Fellowships were awarded to young post-doctoral scientists who wish to work in a laboratory abroad.

Table III Applications / Awards listed by NATIONALITY (as approved by the Board in March 2024)

	Letters of Intent			Full Proposals			Awards		
	LTF	CDF	TOTAL	LTF	CDF	TOTAL	LTF	CDF	TOTAL
<i>LTF = Long-Term</i>									
<i>CDF=Cross-Disciplinary</i>									
Australia	11	0	11	1	0	1	0	0	0
Canada	11	0	11	1	0	1	1	0	1
EU	74	9	83 (a)	16	2	18 (b)	8	2	10 (c)
France	35	0	35	7	0	7	3	0	3
Germany	23	6	29	5	4	9	3	3	6
India	76	15	91	11	1	12	6	1	7
Israel	12	4	16	4	0	4	2	0	2
Italy	24	3	27	4	2	6	1	2	3
Japan	34	2	36	9	1	10	7	1	8
Korea	17	3	20	2	1	3	0	0	0
New Zealand	0	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0	0
Singapore	3	0	3	1	0	1	1	0	1
South Africa	0	0	0	0	0	0	0	0	0
Switzerland	2	1	3	0	0	0	0	0	0
UK	12	0	12	2	0	2	1	0	1
USA	20	1	21	5	1	6	3	0	3
Other	112	25	137 (a')	23	4	27 (b')	12	2	14 (c')
TOTAL	466	69	535	91	16	107	48	11	59

(a) EU Letters of Intent

LTF: Austria 4, Belgium 3, Bulgaria 1, Croatia 2, Cyprus, EU part 2, Czech Republic 1, Denmark 3, Estonia 2, Finland 1, Greece 11, Hungary 3, Ireland 1, Lithuania 1, The Netherlands 9, Poland 5, Portugal 4, Romania 1, Slovakia 2, Spain 17, Sweden 1
 CDF: Austria 1, Greece 1, The Netherlands 3, Poland 1, Slovenia 1, Spain 2

(b) EU Full Proposals

LTF: Austria 1, Belgium 1, Cyprus, EU part 1, Finland 1, Greece 2, Hungary 1, Lithuania 1, The Netherlands 3, Portugal 1, Spain 4
 CDF: Austria 1, Slovenia 1

(c) EU Awardees

LTF: Austria 1, Finland 1, Greece 1, Lithuania 1, The Netherlands 2, Portugal 1, Spain 1
 CDF: Austria 1, Slovenia 1

(a') Letters of Intent from other nationalities

LTF: Algeria 1, Argentina 4, Bangladesh 2, Brazil 3, Cameroon 1, Chile 2, China 21, Colombia 1, Cuba 3, Egypt 1, Iran 3, Lebanon 2, Malaysia 4, Mexico 1, Morocco 1, Myanmar 1, Nigeria 3, Pakistan 6, Peru 1, Philippines 2, Russia 4, Serbia 1, Sudan 2, Taiwan 2, Turkey 4, Ukraine 1, Uruguay 1, Vietnam 1, dual nationalities 33
 CDF: Argentina 1, Bangladesh 1, Brazil 3, Chile 1, China 5, Colombia 1, Indonesia 1, Iran 1, Jordan 1, Mexico 1, Nigeria 1, Pakistan 2, Turkey 2, dual nationalities 4

(b') Full Proposals from other nationalities

LTF: Argentina 2, China 2, Malaysia 3, Pakistan 1, Sudan 1, Taiwan 2, Turkey 1, Uruguay 1, dual nationalities 10
 CDF: Brazil 1, China 1, Indonesia 1, dual nationality 1

(c') Awardees from other nationalities

LTF: Argentina 2, China 1, Sudan 1, Taiwan 2, Uruguay 1, dual nationalities 5
 CDF: Indonesia 1, dual nationality 1

Fig. 3: Number of Fellowship applicants 1993-2024 and 2014-2024 (upper panel) and Fellowship awardees 1990-2024 and 2014-2024 (lower panel) by nationality

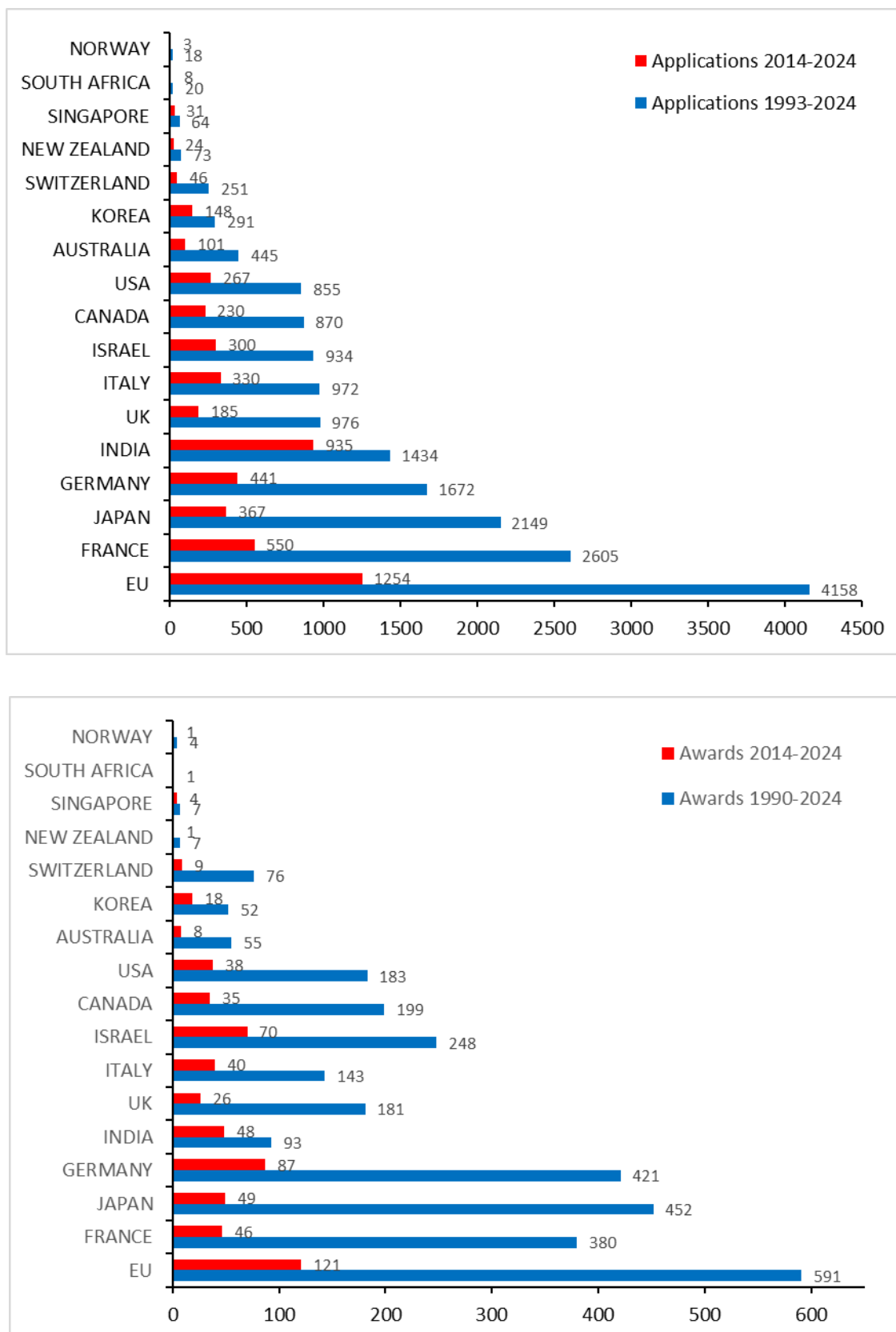


Fig. 4: Number of European Fellowship applicants 1993-2024 and 2014-2024 (upper panel) and Fellowship awardees 1990-2024 and 2014-2024 (lower panel) by nationality

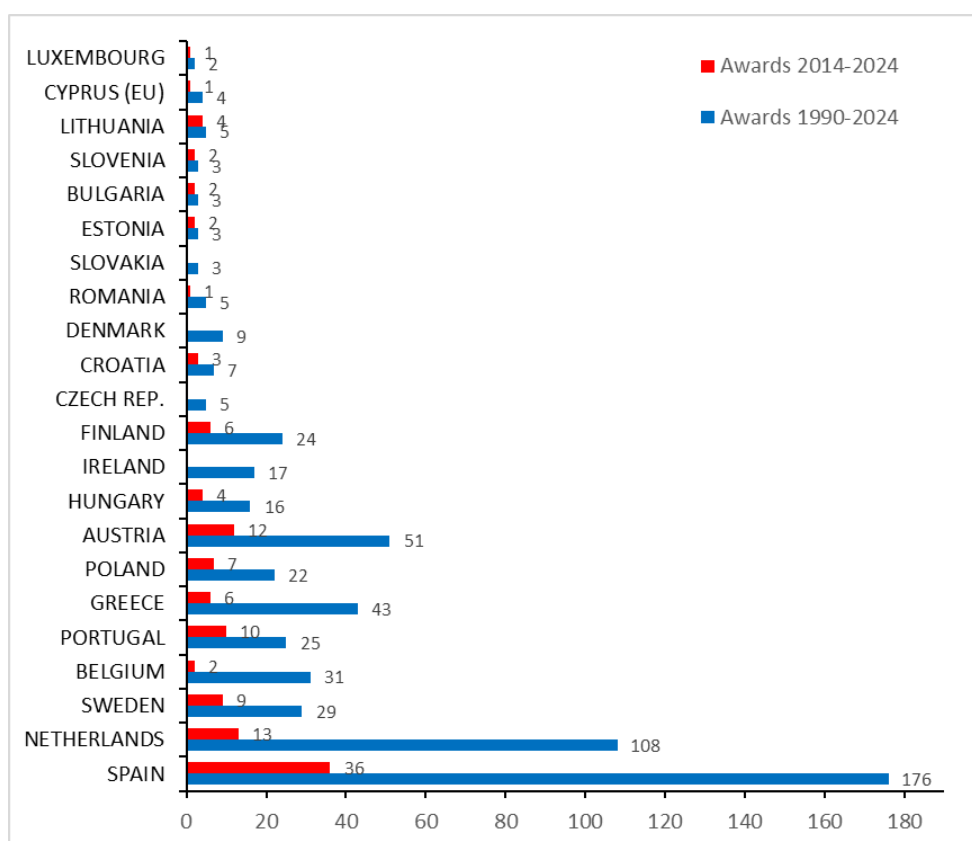
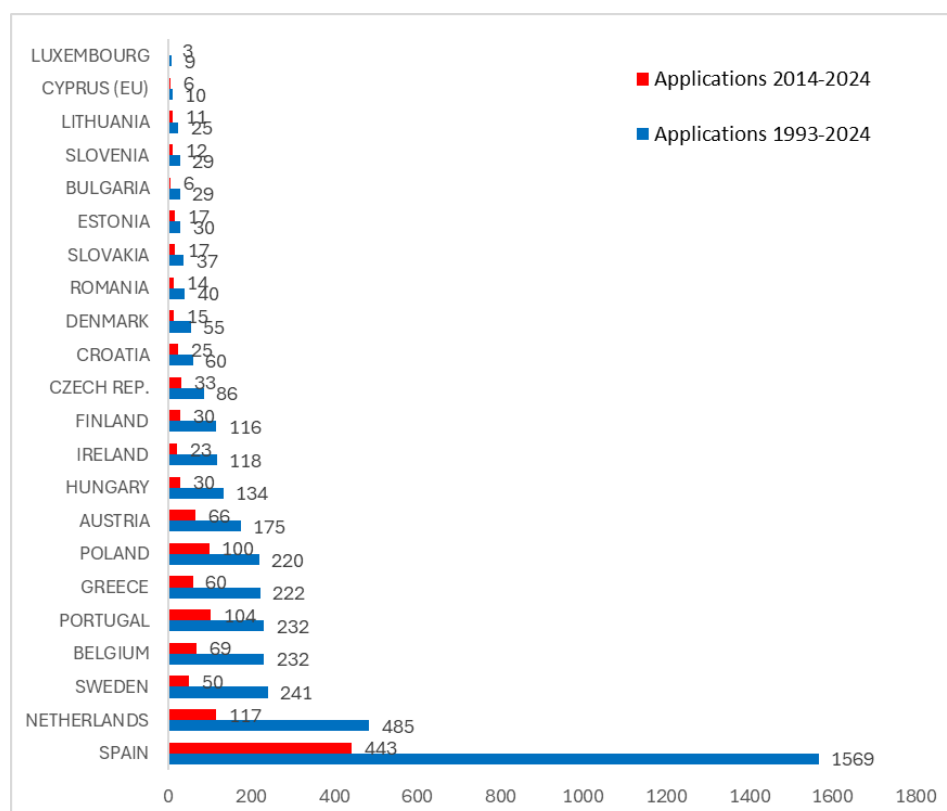


Table IV Applications / Awards listed by HOST COUNTRY
(as approved by the Board in March 2024)

	Letters of Intent			Full Proposals			Awards		
	LTF	CDF	TOTAL	LTF	CDF	TOTAL	LTF	CDF	TOTAL
<i>LTF = Long-Term</i>									
<i>CDF=Cross-Disciplinary</i>									
Australia	7	2	9	1	1	2	0	1	1
Canada	24	3	27	3	2	5	2	1	3
EU	75	5	80 (a)	13	1	14 (b)	4	1	5 (c)
France	27	5	32	5	2	7	4	1	5
Germany	38	4	42	13	1	14	10	1	11
India	0	0	0	0	0	0	0	0	0
Israel	5	0	5	0	0	0	0	0	0
Italy	4	1	5	1	0	1	1	0	1
Japan	2	0	2	0	0	0	0	0	0
Korea	0	0	0	0	0	0	0	0	0
New Zealand	3	0	3	0	0	0	0	0	0
Norway	2	0	2	0	0	0	0	0	0
Singapore	6	0	6	0	0	0	0	0	0
South Africa	1	0	1	0	0	0	0	0	0
Switzerland	33	3	36	3	1	4	2	1	3
UK	60	8	68	14	0	14	6	0	6
USA	174	38	212	37	8	45	19	5	24
Other	5	0	5 (a')	1	0	1 (b')	0	0	0
TOTAL	466	69	535	91	16	107	48	11	59

(a) EU host countries in Letters of Intent

LTF: Austria 8, Belgium 6, Croatia 1, Denmark 5, Estonia 1, Finland 3, Ireland 1, The Netherlands 16, Portugal 3, Spain 15, Sweden 16

CDF: Austria 1, The Netherlands 1, Portugal 1, Spain 2

(b) EU host countries in Full Proposals

LTF: Austria 2, Belgium 2, Croatia 1, The Netherlands 3, Portugal 1, Spain 2, Sweden 2

CDF: Austria 1

(c) EU host countries of Awardees

LTF: Austria 1, Belgium 2, Portugal 1

CDF: Austria 1

(a') Other host countries in Letters of Intent

LTF: Brazil 1, China 1, United Arab Emirates 3

(b') Other host countries in Full Proposals

LTF: United Arab Emirates 1

Fig. 5: Fellowship applications 1993-2024 and 2014-2024 (upper panel) and Fellowship awardees 1990-2024 and 2014-2024 (lower panel) per host country

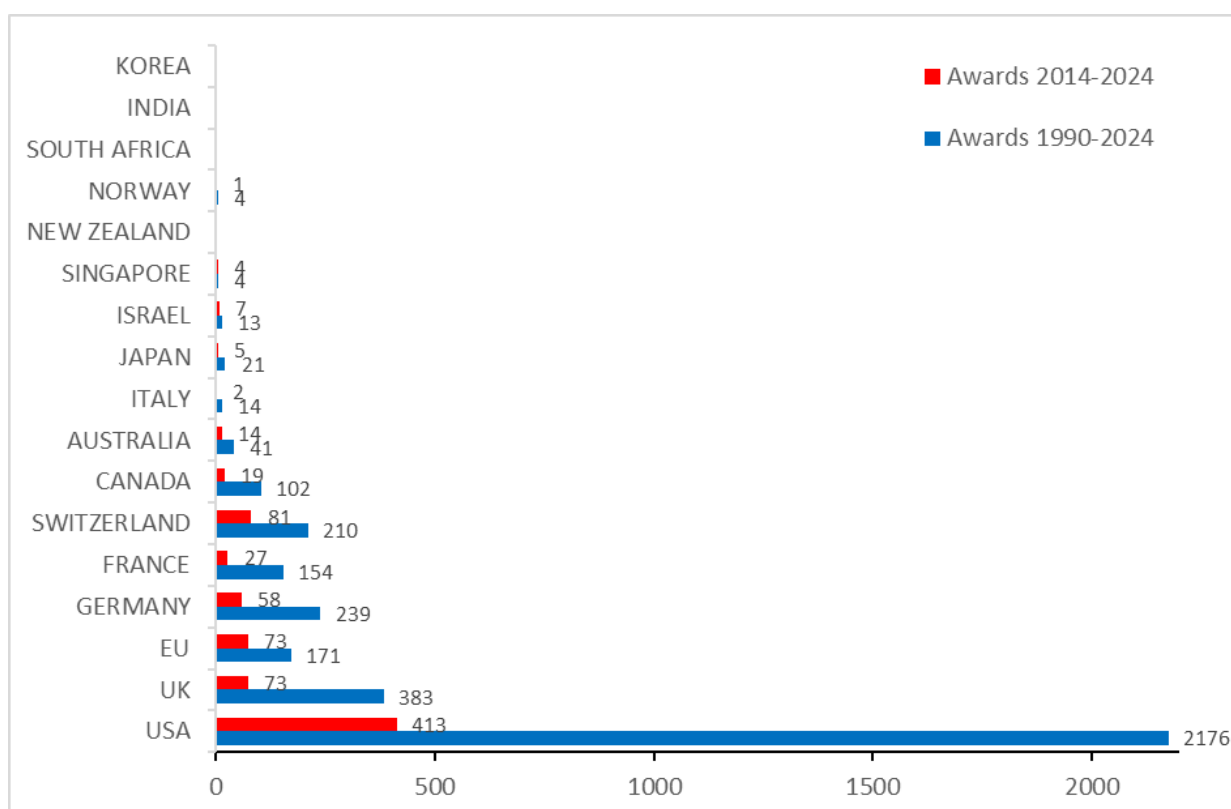
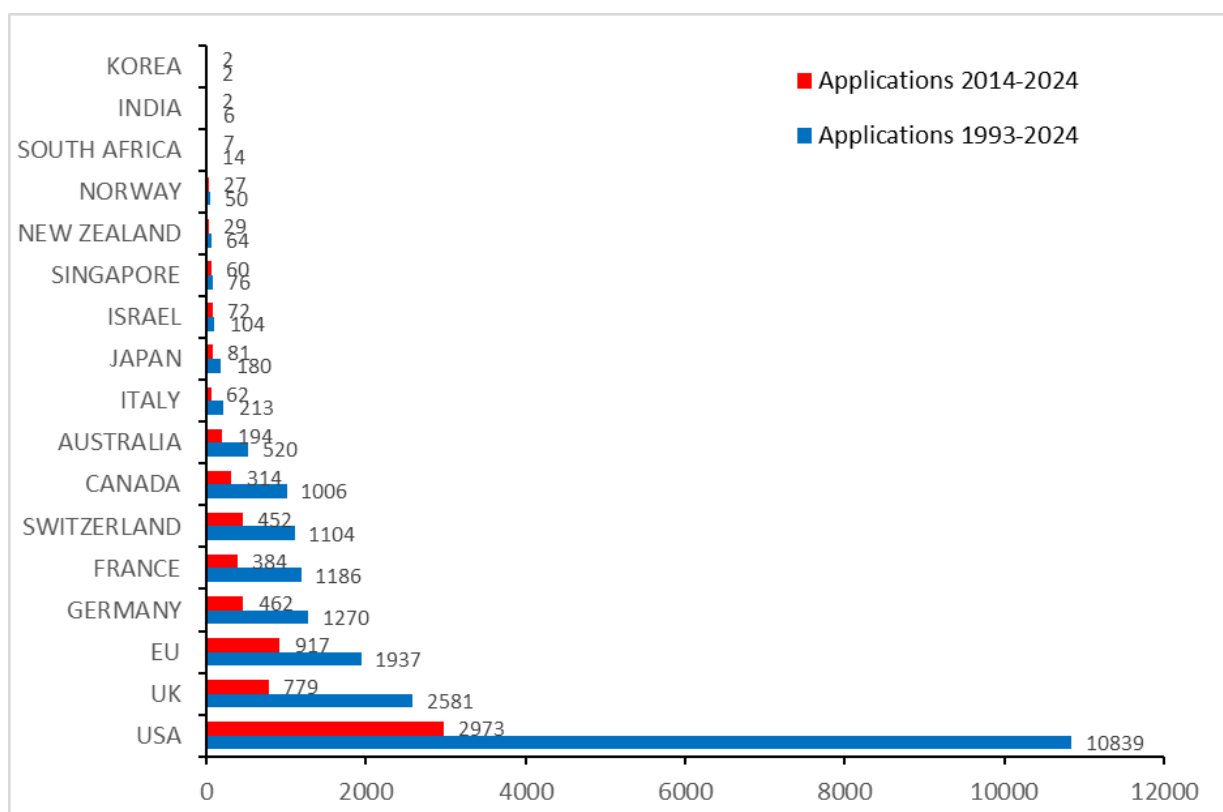


Fig. 6: Fellowship applications 1993-2024 and 2014-2024 (upper panel) and Fellowship awardees 1990-2024 and 2014-2024 (lower panel) per host country in Europe

