

# **Annual Award Report to HFSP Members**

## **Italy 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%

## Italy

With awards starting in 2024, HFSP will support:

- One Italy based scientist who is involved in 1 out of the 34 HFSP Research Grants awarded in 2024. This scientist is a Research Grants-Program team member as co-investigator.
- One Italian scientist who was awarded a Long-Term Fellowship and two Italian scientists who were awarded Cross-Disciplinary Fellowships. They will work in Canada and the USA.
- One Long-Term Fellow from France who will work in an Italian research institution.

For awards in previous years, see *Chapter 4 Italy 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](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 Italy

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

#### 3.1. Overview

##### *Research Grants*

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

|                                |          |
|--------------------------------|----------|
| <b>Research Grants-Program</b> | <b>1</b> |
|--------------------------------|----------|

##### *Fellowships*

Number of fellowships awarded to Italian applicants:

|                              |          |
|------------------------------|----------|
| <b>Long-Term Fellowships</b> | <b>1</b> |
|------------------------------|----------|

|                                       |          |
|---------------------------------------|----------|
| <b>Cross-Disciplinary Fellowships</b> | <b>2</b> |
|---------------------------------------|----------|

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

|                              |          |
|------------------------------|----------|
| <b>Long-Term Fellowships</b> | <b>1</b> |
|------------------------------|----------|

### 3.2 Research Grants 2024

#### Scientists working in Italy who will collaborate in HFSP international research teams (co-investigators)

##### Research Grants-Program

*PI: FISCHER Matthias, Germany*

**DE CASTRO Cristina**

Dept. of Chemical Sciences  
University of Naples Federico II  
Napoli

Mechanisms and origins of glycosylation in  
giant viruses

### 3.3 Fellowships 2024

#### Fellowships awarded to Italian applicants

##### Long-Term Fellowships

|                                         |      |                                              |                                                                                                            |
|-----------------------------------------|------|----------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>BENCIVENGA<br/>Federica</b><br>Italy | From | Sapienza University of Rome<br>Rome<br>Italy | <b><i>Neural mechanisms for dynamic<br/>action planning and execution as<br/>we move through space</i></b> |
|                                         | To   | University of Montreal<br>Montreal<br>Canada |                                                                                                            |
|                                         |      |                                              | Supervisors:<br>CISEK Paul<br>GREEN Andrea                                                                 |

##### Cross-Disciplinary Fellowships

|                                 |      |                                                           |                                                                                                                             |
|---------------------------------|------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>BISARDI Matteo</b><br>Italy  | From | Université Paris Cité<br>Paris<br>France                  | <b><i>Coupling massive gene synthesis<br/>with generative sequence<br/>models to decipher antibiotic<br/>resistance</i></b> |
|                                 | To   | University of British Columbia<br>Vancouver<br>Canada     |                                                                                                                             |
|                                 |      |                                                           | Supervisor:<br>TOKURIKI Nobuhiko                                                                                            |
| <b>DAL CENGIO Sara</b><br>Italy | From | Universitat de Barcelona<br>Barcelona<br>Spain            | <b><i>Evolutionary dynamics and self-<br/>organization in active<br/>populations</i></b>                                    |
|                                 | To   | Massachusetts Institute of Technology<br>Cambridge<br>USA |                                                                                                                             |
|                                 |      |                                                           | Supervisor:<br>TAILLEUR Julien                                                                                              |

## Fellowships awarded to foreign scientists who wish to work in Italy

### Long-Term Fellowships

**RAMANADANE  
Karthik**  
France

From University of Zurich  
Zurich  
Switzerland

To Human Technopole  
Milano  
Italy

***Unravelling the molecular  
mechanisms of thyroglobulin  
endocytosis mediated by the R2  
receptor***

Supervisor:  
COSCIA Francesca

## 4 Italy 1990-2024

This section summarizes Italy's involvement in HFSP 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 Italian 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 HFSP support.

|              | Letters of Intent (LI) |                        | Full Proposals (FP) |                         | Awardees (AW) |                         |
|--------------|------------------------|------------------------|---------------------|-------------------------|---------------|-------------------------|
| Year         | All team members       | Italy based scientists | All team members    | Israel based scientists | Total Awarded | Awardees based in Italy |
| 1990-2014    | 28944*                 | 1507                   | 17891+              | 691                     | 3607          | 100                     |
| 2015         | 3092                   | 229                    | 252                 | 4                       | 98            | 1                       |
| 2016         | 2604                   | 146                    | 272                 | 7                       | 100           | 1                       |
| 2017         | 3208                   | 179                    | 252                 | 6                       | 98            | 3                       |
| 2018         | 2321                   | 100                    | 251                 | 3                       | 102           | 0                       |
| 2019         | 2394                   | 103                    | 268                 | 5                       | 105           | 4                       |
| 2020         | 2051                   | 95                     | 256                 | 7                       | 86            | 1                       |
| 2021         | 2062                   | 108                    | 292                 | 8                       | 94            | 4                       |
| 2022         | 2032                   | 98                     | 206                 | 6                       | 100           | 4                       |
| 2023         | 1672                   | 64                     | 247                 | 4                       | 107           | 0                       |
| 2024         | 1978                   | 74                     | 313                 | 6                       | 108           | 1                       |
| <b>Total</b> | <b>52358</b>           | <b>2703</b>            | <b>20500</b>        | <b>747</b>              | <b>4605</b>   | <b>119</b>              |

\*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 Italy based scientists in the last 10 years.

|      | Letters of Intent (LI)         | Full Proposals (FP)            | Awardees (AW)                  | Success rate based on LIs (%) | Success rate based on FPs (%) | Total Awarded teams |
|------|--------------------------------|--------------------------------|--------------------------------|-------------------------------|-------------------------------|---------------------|
| Year | Teams with member (s) in Italy | Teams with member (s) in Italy | Teams with member (s) in Italy |                               |                               |                     |
| 2015 | 183                            | 4                              | 1                              | 0.5                           | 25.0                          | 31                  |
| 2016 | 129                            | 7                              | 1                              | 0.8                           | 14.3                          | 32                  |
| 2017 | 144                            | 6                              | 3                              | 2.1                           | 50.0                          | 30                  |
| 2018 | 90                             | 3                              | 0                              | 0.0                           | 0.0                           | 31                  |
| 2019 | 94                             | 5                              | 4                              | 4.3                           | 80.0                          | 34                  |
| 2020 | 87                             | 7                              | 1                              | 1.1                           | 14.3                          | 28                  |
| 2021 | 98                             | 8                              | 4                              | 4.1                           | 50.0                          | 28                  |
| 2022 | 89                             | 6                              | 4                              | 4.5                           | 66.7                          | 32                  |
| 2023 | 64                             | 4                              | 0                              | 0.0                           | 0.0                           | 34                  |
| 2024 | 66                             | 6                              | 1                              | 1.5                           | 16.7                          | 34                  |

## 4.2 HFSP Postdoctoral Fellowships

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

| Award year   | Italian fellowship applicants | Total applicants | Italian fellowship awardees | Total awards | Italy as proposed host country by fellowship applicants | Italy as host country of HFSP fellows |
|--------------|-------------------------------|------------------|-----------------------------|--------------|---------------------------------------------------------|---------------------------------------|
| 1990-2014*   | 676                           | 16,150           | 107                         | 2,844        | 153                                                     | 12                                    |
| 2015         | 32                            | 788              | 5                           | 75           | 6                                                       |                                       |
| 2016         | 33                            | 697              | 1                           | 75           | 4                                                       |                                       |
| 2017         | 37                            | 776              | 3                           | 72           | 7                                                       |                                       |
| 2018         | 26                            | 588              | 4                           | 90           | 1                                                       |                                       |
| 2019         | 23                            | 580              | 5                           | 82           | 10                                                      |                                       |
| 2020         | 20                            | 544              | 3                           | 65           | 6                                                       | 1                                     |
| 2021         | 36                            | 665              | 3                           | 56           | 5                                                       |                                       |
| 2022         | 32                            | 493              | 4                           | 65           | 11                                                      |                                       |
| 2023         | 30                            | 429              | 5                           | 50           | 5                                                       |                                       |
| 2024**       | 27                            | 535              | 3                           | 59           | 5                                                       | 1                                     |
| <b>Total</b> | <b>972</b>                    | <b>22,245</b>    | <b>143</b>                  | <b>3,533</b> | <b>213</b>                                              | <b>14</b>                             |

\* The number of candidates from and to Italy 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**

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

\*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**

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

\*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.

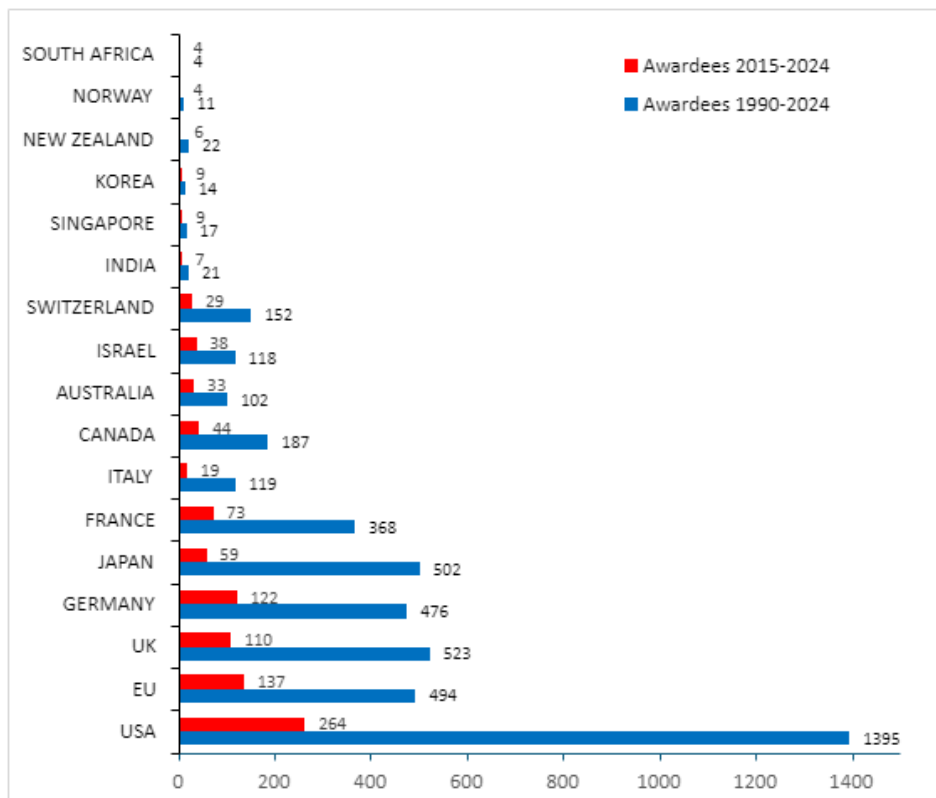
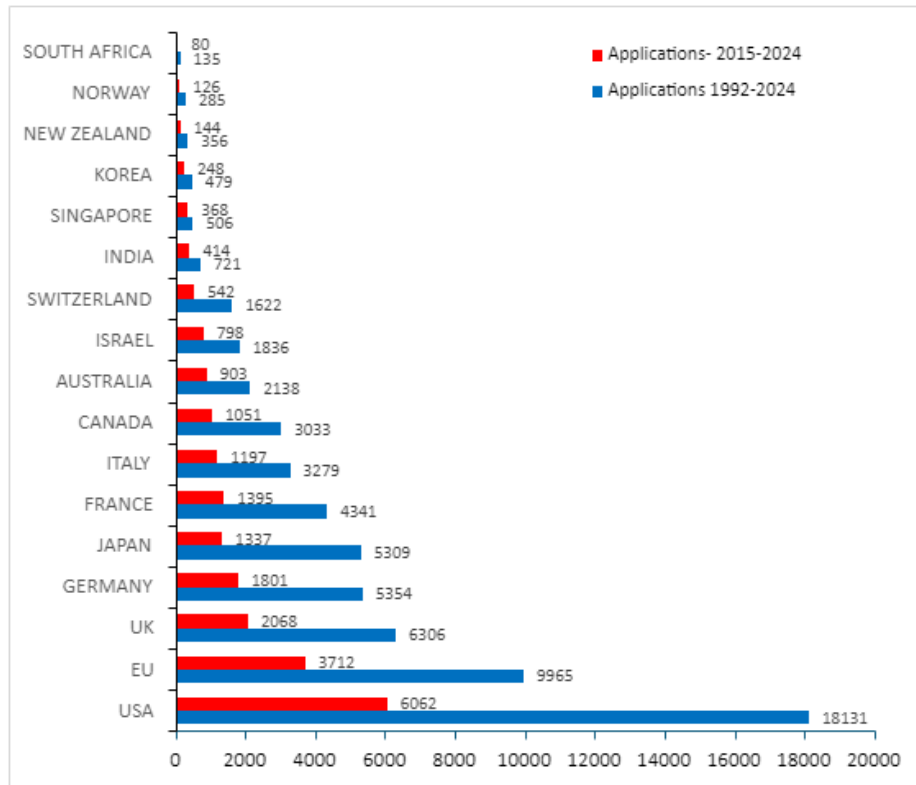
**(b') Non MSPs Full Proposals**

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.

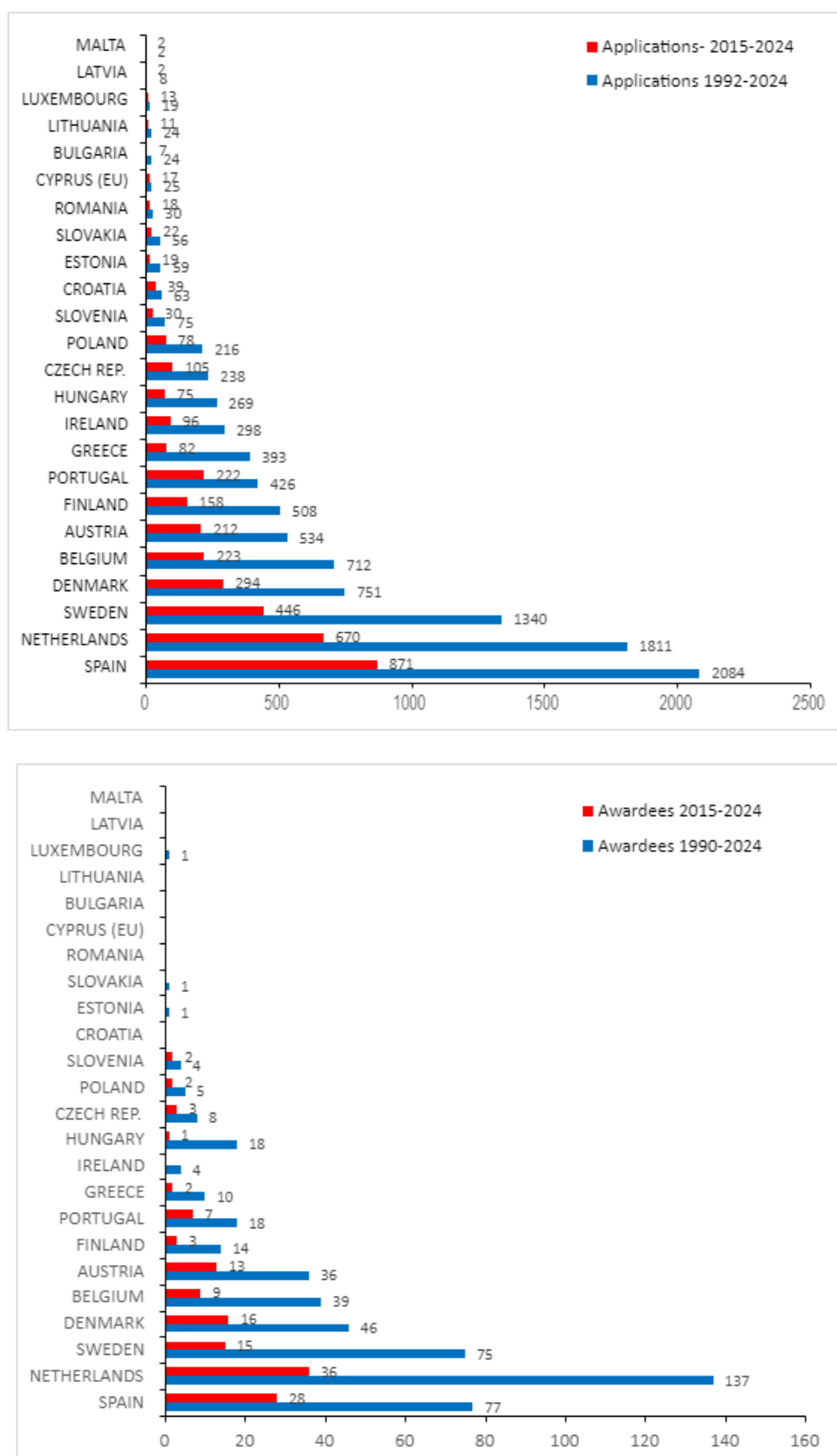
**(c') Non MSPs Awardees**

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')   |
| <b>TOTAL</b>                  | <b>466</b>        | <b>69</b> | <b>535</b> | <b>91</b>      | <b>16</b> | <b>107</b> | <b>48</b> | <b>11</b> | <b>59</b> |

### (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

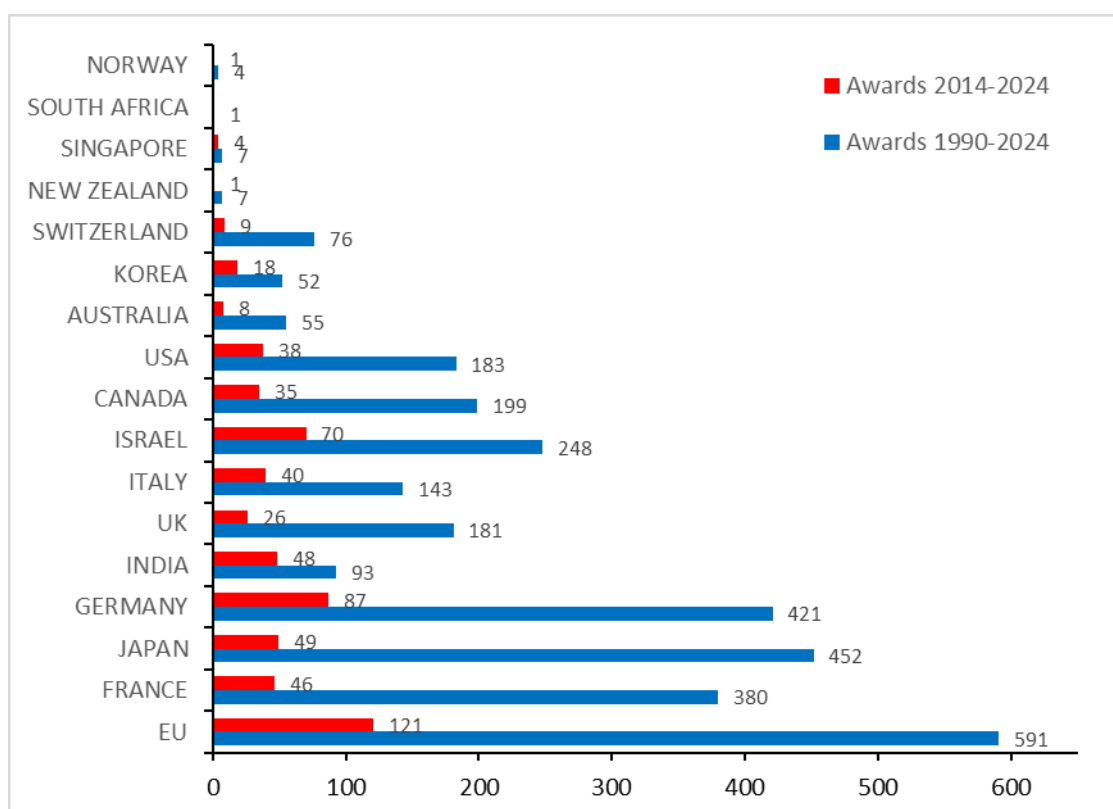
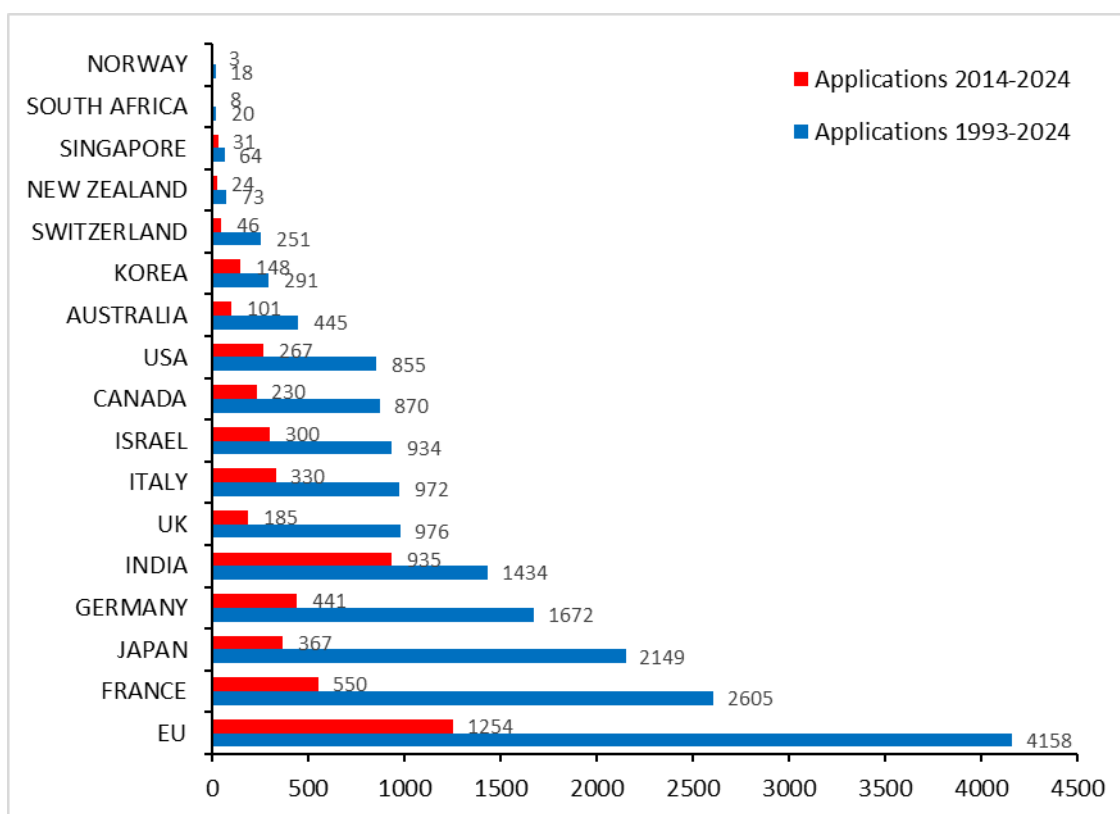
### (b') Full Proposals from other nationalities

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

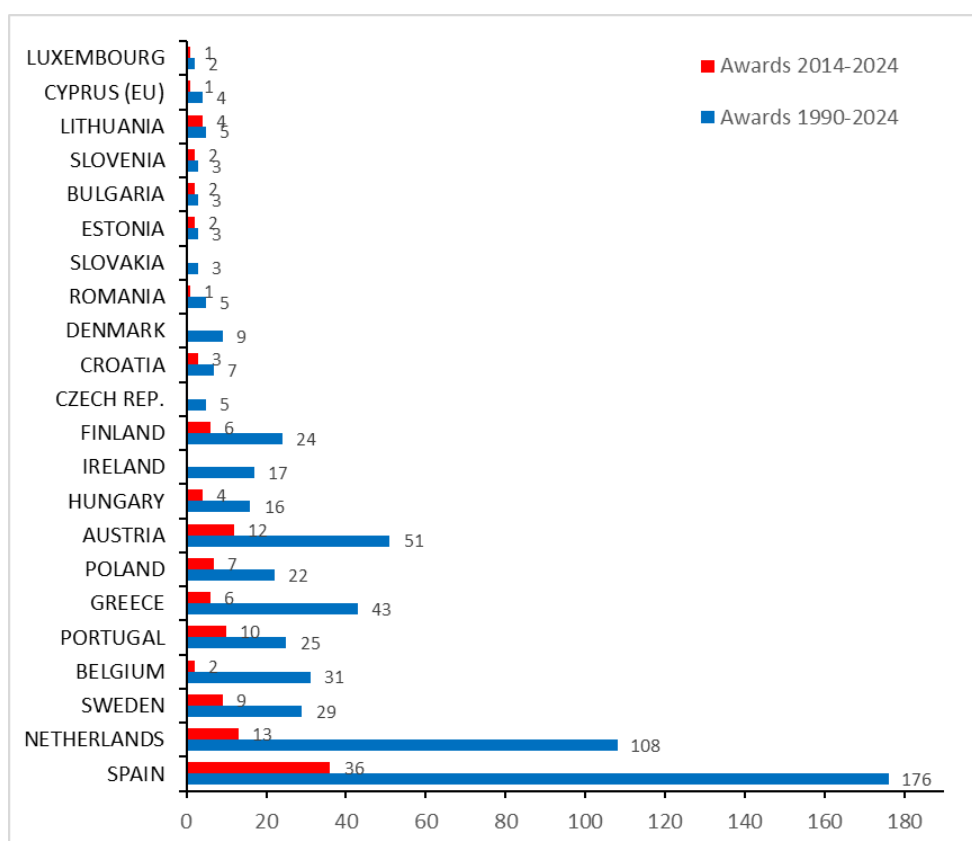
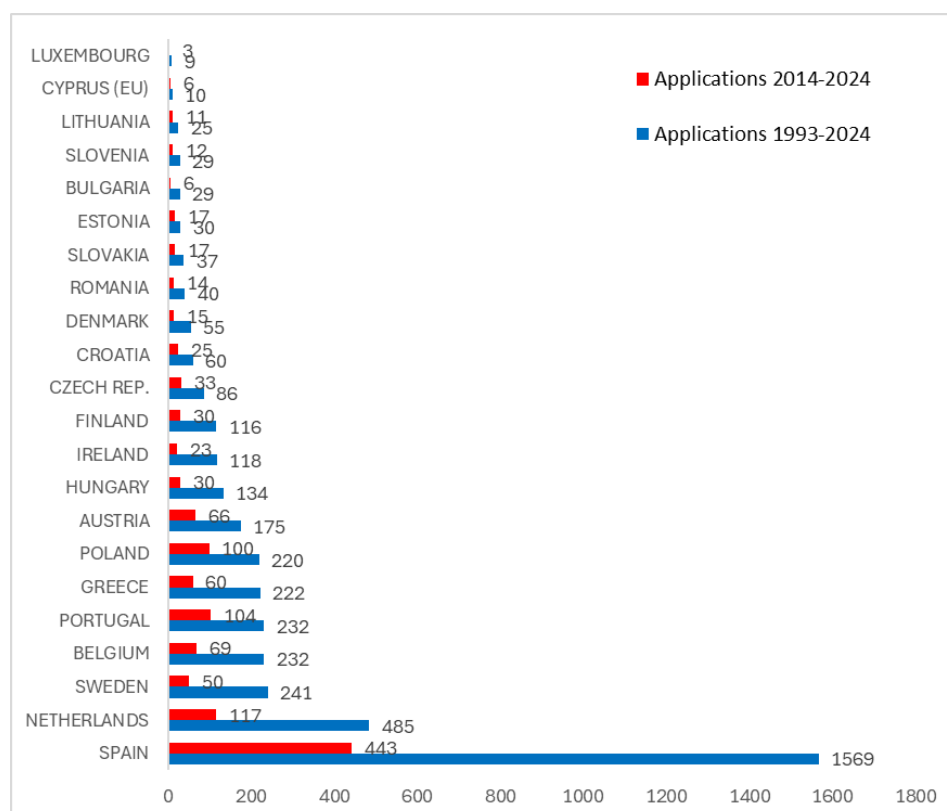
### (c') Awardees from other nationalities

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)

| <i>LTF = Long-Term</i><br><i>CDF=Cross-Disciplinary</i> | Letters of Intent |           |            | Full Proposals |           |            | Awards    |           |           |
|---------------------------------------------------------|-------------------|-----------|------------|----------------|-----------|------------|-----------|-----------|-----------|
|                                                         | LTF               | CDF       | TOTAL      | LTF            | CDF       | TOTAL      | LTF       | CDF       | TOTAL     |
| 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         |
| <b>TOTAL</b>                                            | <b>466</b>        | <b>69</b> | <b>535</b> | <b>91</b>      | <b>16</b> | <b>107</b> | <b>48</b> | <b>11</b> | <b>59</b> |

**(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

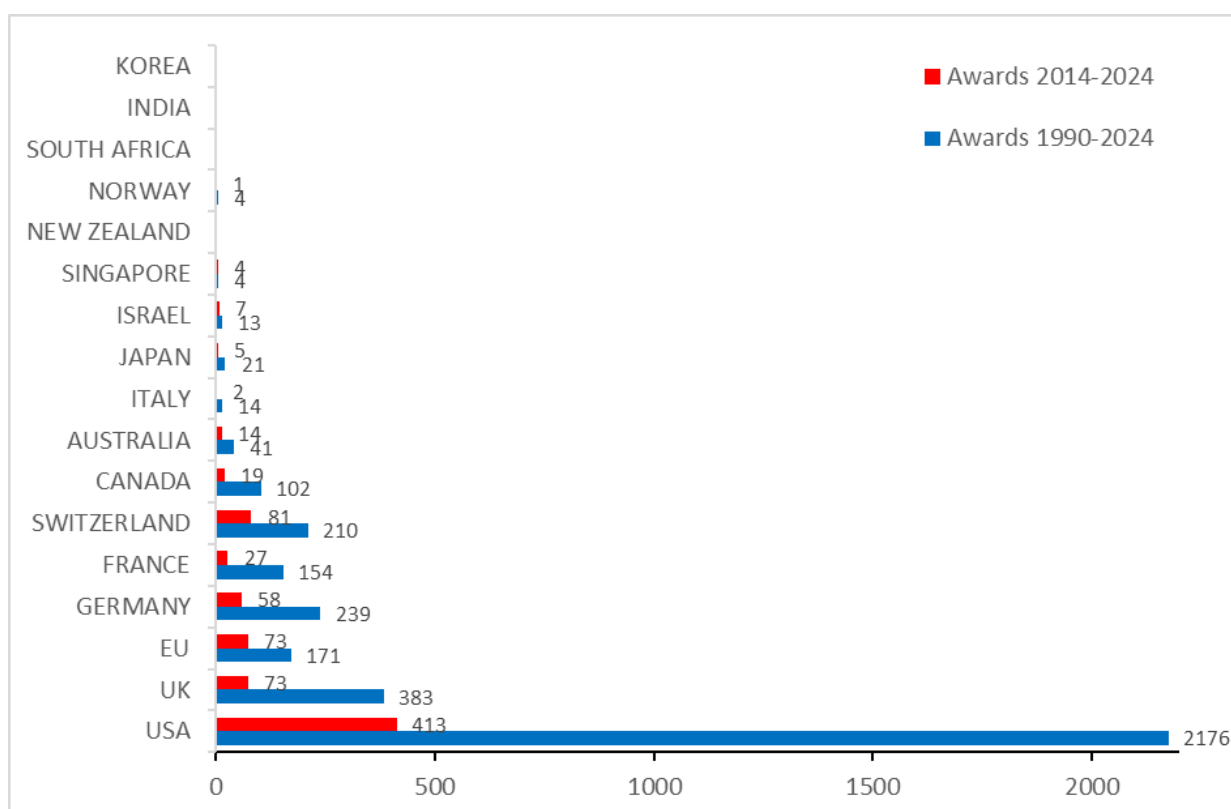
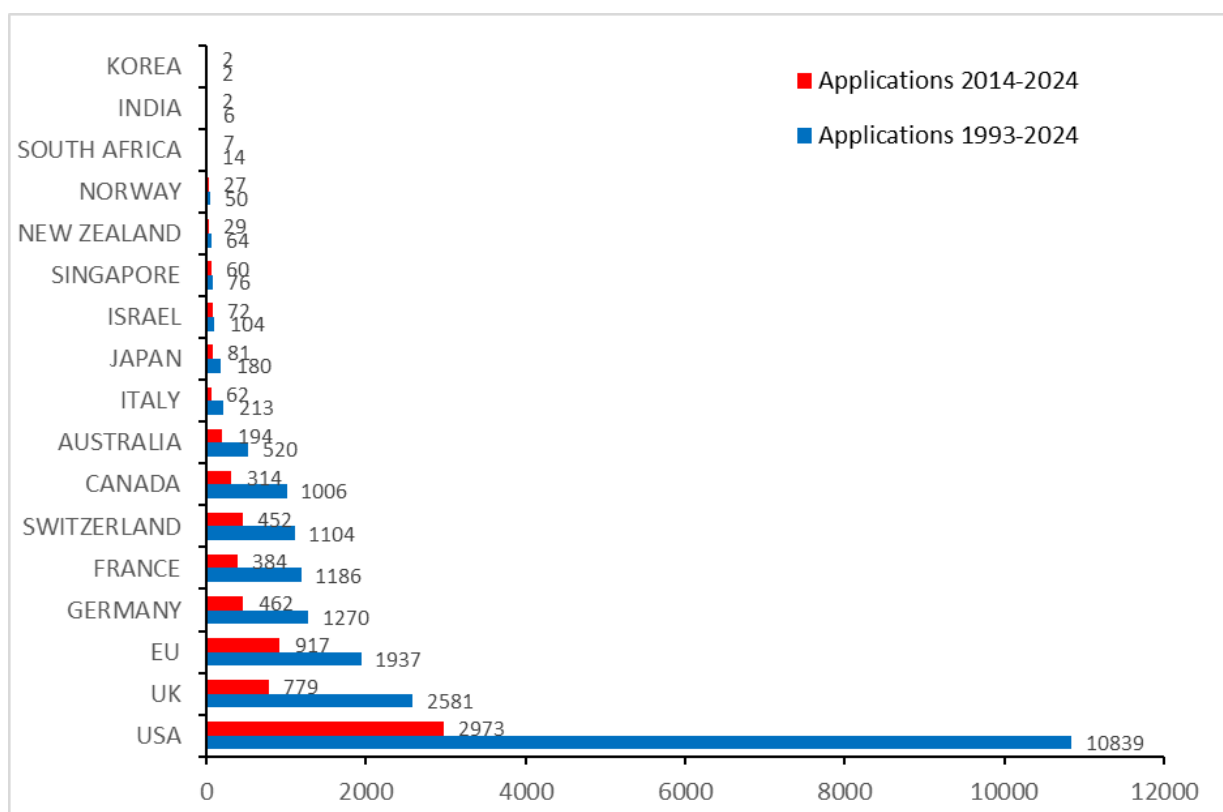
**(a') Other host countries in Letters of Intent**

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

