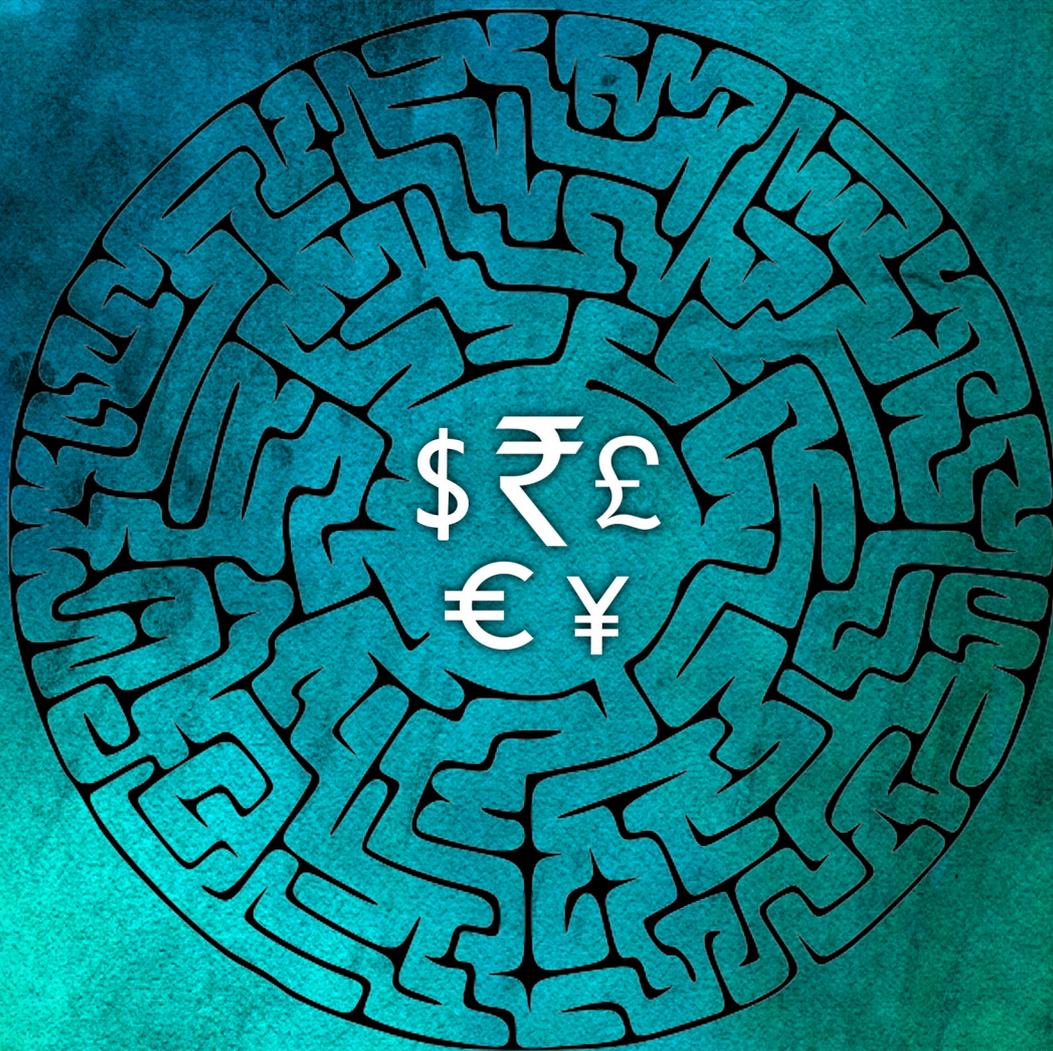


MEANS TO A BEGINNING

Funding opportunities for
PhD students and Postdocs in India



IndiaBioscience

Means to a Beginning

Funding opportunities for PhD students and Postdocs in India

September 2020

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LIST OF ABBREVIATIONS (in order of appearance)

1	DBT	Department of Biotechnology
2	CSIR	Council of Scientific & Industrial Research
3	UGC	University Grants Commission
4	ICMR	Indian Council of Medical Research
5	DST	Department of Science and Technology
6	TWAS-NRF	The World Academy of Sciences - South Africa's National Research Foundation
7	DAAD	Deutscher Akademischer Austauschdienst
8	SERB	Science and Engineering Research Board
9	DHR	Department of Health Research
10	IISc	Indian Institute of Science
11	NCBS-TIFR	National Centre for Biological Sciences-Tata Institute of Fundamental Research
12	ETH	Swiss Federal Institute of Technology in Zurich (In French - École polytechnique fédérale de Zurich)
13	EMBO	European Molecular Biology Organization
14	HFSP	Human Frontier Science Program
15	AMS	Academy of Medical Sciences
16	NIH	National Institutes of Health
17	IFCPAR/ CEFIPRA	Indo-French Centre for the Promotion of Advanced Research
18	IUSSTF	Indo-U.S. Science and Technology Forum
19	USIEF	United States-India Educational Foundation
20	IA/ IRMI	DBT/ Wellcome Trust India Alliance/ India Research Management Initiative

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Introduction

The life science research ecosystem is growing and diversifying rapidly. To empower India as a nucleus of research in frontier areas of life science, it is imperative to foster a world-class community of life scientists. This requires continuous and extensive support from funding agencies.

There are a number of schemes by funding agencies, national and international, to support outstanding life scientists in India. Monetary support during the early stages of a scientific career is especially crucial for strengthening its foundation. This booklet focuses on the funding opportunities available for pursuing PhD and postdoctoral research in different areas of life sciences. It covers national and international fellowships in addition to travel and skill-building awards. It aims to highlight the requirements, benefits, and timelines of these fellowships and award schemes and provides relevant links for easy access to up-to-date information.

The booklet has collated relevant information from multiple reliable sources. To learn more about any of the fellowships/ awards covered here, visit the IndiaBioscience website (<https://indiabioscience.org/grants>) or relevant links listed under each entry. In case of any uncertainty, we urge you to contact the funding agency directly.

The information provided in this book has been verified in October 2020. These are subject to change by the funding agencies, please visit their website for the latest updates pertaining to deadlines, support and other terms and conditions. This book will be updated periodically. If you find that any information has changed since publication of this resource, we request you to intimate us of this via email. This will help us keep this resource up to date.

We hope that you find this resource useful in your quest for a PhD or Postdoctoral fellowship or different award schemes. If you wish to share any feedback with us, please write an email to [hello\[at\]indiabioscience.org](mailto:hello@indiabioscience.org).

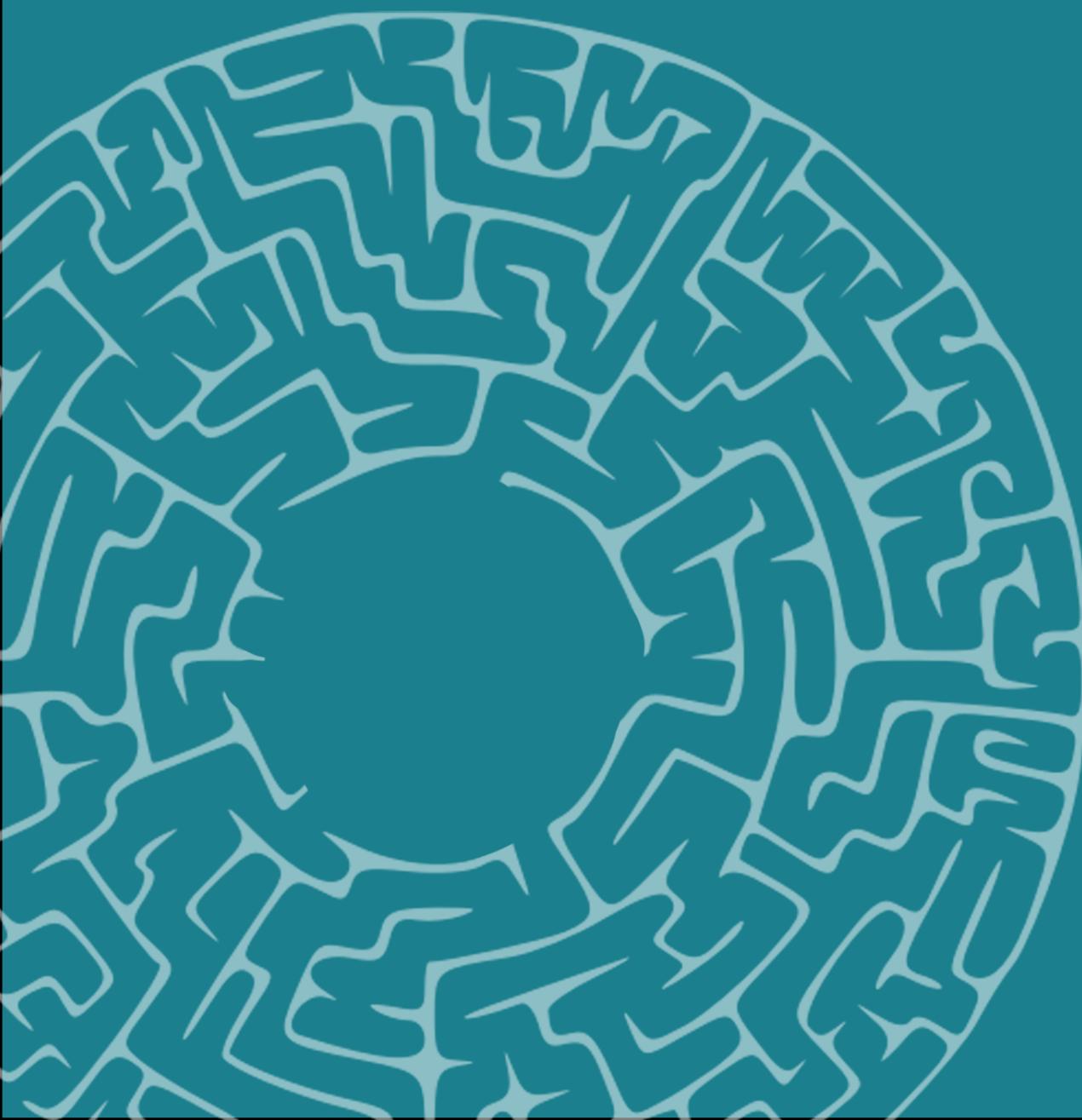
Read | Learn | Apply

Fellowships for Pursuing PhD Studies



“A journey of a thousand miles begins with a single step.”
- Lao Tzu

PhD studies are commonly considered the stepping stone to a science career, especially in research. They chart the scope and progression for the subsequent stages of one’s science career. It is imperative to allow for extensive growth in this initial phase. This section is meant for students who are going to embark on their PhD journey. Here you will find the details of fellowships available to Indian students to pursue a PhD nationally (Section 2.1) and internationally (Section 2.2) in the area of life sciences.



2.1. PhD Fellowships (National)

2.1.1. Junior Research Fellowship Programme (DBT)

This scheme is aimed at applicants who wish to pursue research in frontier areas of **biotechnology and life sciences**. The Department of Biotechnology (DBT) Junior Research Fellows (JRFs) will be selected through a national **Biotechnology Eligibility Test (BET)**, based on which merit lists will be prepared in two categories (Category-I and Category-II).

Eligibility

- MSc/MTech/MVSc or equivalent degree/Integrated BS-MS/BE/BTech in any discipline of biotechnology; MSc/MTech in bioinformatics or computational biology; students admitted under DBT - supported postgraduate teaching programs; MSc in life science/bioscience/zoology/botany/microbiology/biochemistry/biophysics; and Master's in allied areas of biology or life sciences; Candidates appearing for final year examinations also eligible to apply
- Minimum 60% marks for General, EWS & OBC category, and 55% for SC/ST/differently abled in aggregate (or equivalent grade)
- Age limit: 28 years for General and EWS category (relaxed up to 5 years for SC/ST/differently abled/women candidates, and up to 3 years for OBC (Non-Creamy Layer) candidates) as on the last date of application

Support

- Candidates selected under **Category-I are eligible to avail fellowship** under the programme. This is tenable at any University/Institute in India where the selected candidate registers for a PhD programme.
- Candidates selected under Category-II are eligible to be appointed in any DBT - sponsored project and avail fellowship from the project equivalent to NET/GATE fellowships, subject to selection through institutional selection process. Selection in **Category-II does not entitle the student for any fellowship** from DBT-JRF programme.

Deadline

The application opens **once a year**.

Duration

Please visit the funding agency website.

Website

<https://rcb.res.in/BET2020/>

2.1.2. Junior Research Fellowship (CSIR/ UGC)

The CSIR Research Fellowships and Associateships are provided to bright young men and women for training in methods of research under the expert guidance of faculty members or scientists working in University Departments/institutes of national importance/national laboratories and institutes of CSIR in various fields of **Science & Technology** and **Medical Sciences**. Candidates are selected for the fellowship after qualifying the **National Eligibility Test (NET)** conducted by CSIR twice a year in June and December.

Eligibility

- Candidates holding degrees from BS-4 years programme/BE/BTech/BPharma/MBBS/ Integrated BS-MS/MSc or equivalent; BSc (Hons) or equivalent degree holders; or students enrolled in integrated MS-PhD programmes
- Minimum 55% marks for General & OBC (50% for SC/ST candidates, physically and visually handicapped candidates)
- Candidates with a Bachelor's degree (science, engineering or any other discipline), eligibility contingent on getting registered/enrolled for a PhD/integrated PhD programme within the validity period of two years
- Candidates enrolled for MSc or having completed 10+2+3 years of the qualifying examinations listed above, eligible under the Result Awaited (RA) category
- Fellowships tenable in India
- Available only to bonafide Indian citizens residing in India

Support

- **JRF**: The stipend of a selected JRF is ₹31,000 per month for the first two years.
- **SRF (NET)**: On completion of two years as JRF and if the fellow is registered for PhD, the fellowship will be upgraded to SRF(NET) and the stipend will be increased to ₹35,000 per month for the third and subsequent years on the basis of the assessment of the fellow's research progress/achievements.
- In addition to the fellowship, awardees are also entitled to a House Rent Allowance (HRA) component as per the rules of the host institution.
- An annual contingency grant of ₹20,000 per fellow will be provided to the University/Institution.
- CSIR research fellows will be given an extra lump sum of ₹3,000 upon submission of PhD thesis in an electronic form.

Duration

The maximum total duration of the fellowship (JRF plus SRF (NET)) is **five years**.

Deadline

Online applications for JRF-NET are invited **twice a year** with registrations opening in **March and September**.

Website

<https://csirhrdg.res.in/Home/Index/1/Default/1476/60>

2.1.3. Junior Research Fellowship (ICMR)

ICMR JRF fellowships support admission to PhD and research programmes to work in the fields of **biomedical sciences** with emphasis **on Life Sciences (120 fellowships)** and **Social Sciences (30 fellowships)**. The award of JRF is based on merit in a country wide entrance examination.

Eligibility

- MSc/MA or equivalent degree with minimum 55% marks for General/EWS/OBC candidates and 50% for the SC/ST and PwBD candidates in the subjects mentioned above
- Candidates appearing in final year examinations, or are in the final year of MSc/MA (or equivalent) during the session of the call year — eligible as RA (Result Awaited)
- Age limit: 28 years (can be relaxed up to 5 years for SC/ST, PwBD and female candidates, and 3 years for OBC category) as on 30 September of the call year
- Award of JRF depends on candidates finding placement in a medical college/hospital/university/national laboratory/institution of higher learning and research as applicable

Support

- Fellowship:
 - ICMR JRFs — ₹31,000 per month
 - ICMR SRFs — ₹35,000 per month
- HRA as per host institution rules
- Annual contingency grant up to ₹20,000 per year

Duration

The maximum total duration of the fellowship (JRF plus SRF) is **five years**.

Deadline

The ICMR JRF entrance examination is held **once a year**, and the admission notice is published usually during **March/April** on the ICMR website as well as in leading English newspapers of India.

Website

<https://main.icmr.nic.in/content/junior-research-fellowships-jrf>

2.1.4. Inspire Fellowship programme (DST)

The Inspire Fellowship is part of the Assured Opportunity for Research Careers (AORC) component of the INSPIRE programme launched by the Department of Science and Technology (DST), Government of India, focused on attracting students to pursue doctoral training in **basic and applied sciences** including **engineering, medicine, agriculture, veterinary, pharmacy sciences**. The scheme provides for **1000 fellowships** annually.

Eligibility

- INSPIRE Scholars who have secured minimum 65% marks or (or CGPA equivalent) in aggregate in MSc or Integrated MS/MSc Courses
- First rank holders in University level examinations in postgraduate courses in basic or applied sciences, including engineering, medicine, pharmacy, agricultural sciences and veterinary sciences, from any recognized University or academic institution (excluding Autonomous Colleges) within India
- First rank holders in graduate/postgraduate level examinations in medicine conducted by a University/Institution within India
- Not eligible — First rank holders in colleges following the Autonomous College Examination; candidates with degree(s) through Distance Education Mode; first rank holders in any specialization given during the second last year of MSc
- Age group of 22–27 years

Support

- JRF (For first 2 years)
 - Fellowship of ₹31,000 per month + HRA + Contingency
- SRF (Remaining 3 years, based on the recommendation of an assessment committee report approved by the DST)
 - Fellowship of ₹35,000 per month + HRA + Contingency

Duration

The fellowship is tenable for a maximum period of **five years**.

Deadline

The application opens **once a year**.

Website

<http://online-inspire.gov.in>

2.1.5. Women Scientists Scheme - A (DST)

The “Women Scientists Scheme - A (WOS - A)” for research in **basic and applied sciences** has been developed by the Department of Science and Technology (DST) for providing opportunities to women scientists and technologists who after having a **break in career**, desire to return to main-stream science and work as bench-level scientists.

Eligibility

- Women Scientists holding postgraduate degrees in basic sciences, graduate or postgraduate degrees in professional courses, or PhD
- Have a break in career
- Age group: 27 -57 years
- Not eligible — Candidates in regular employment (women scientists in temporary positions in research or academics may apply, but are required to leave their earlier assignment if WOS project is approved)

Support

This scheme provides a research grant which includes the fellowship of the awardee and cost of small equipment, contingencies, travel, consumables etc.

- Candidates with MPhil/MTech/MPharm/MVSc or equivalent degree:
 - Monthly fellowship — ₹40,000 + HRA as applicable
 - Maximum total project cost — ₹25 lakhs, excluding HRA and Overhead
- Candidates with MSc in Basic/Applied Sciences or MBBS or BTech or equivalent degree:
 - Monthly fellowship — ₹31,000 +HRA as applicable
 - Maximum total project cost — ₹20 lakhs, excluding HRA and Overhead

Duration

The financial support is available for **three years**.

Deadline

The applications are open **throughout the year**, but there will be a break of one month for the submission of applications after every two months.

Website

<https://dst.gov.in/scientific-programmes/scientific-engineering-research/women-scientists-programs>

2.1.6. Women Scientist Scheme - B (DST)

Women Scientist Scheme-B (WOS-B) is aimed at providing opportunities to women scientists and technologists who aim to return into the mainstream after a **career break**, with a focus on projects related to **Science & Technology (S&T) interventions for societal benefit**. Such project proposals should address a well-identified societal challenge and deliver possible solution(s) by way of development of viable technology/technique and/or lab-to-land technology transfer, its adaptation and scaling up.

Eligibility

- Women having qualifications in science & technology areas at the postgraduate level
- Age group: 27-57 years
- Not eligible — women working as permanent employees

Support

This scheme provides a research grant which includes the fellowship of the awardee and cost of small equipment, contingencies, travel, consumables etc.

- Candidates with MPhil/MTech/MPharm/MVSc or equivalent degree
 - Monthly fellowship — ₹40,000 + HRA as applicable
 - Total project cost — ₹25 lakhs, excluding HRA and overhead
- Candidates with MSc in Basic/Applied Sciences or MBBS or BTech or equivalent degree
 - Monthly fellowship — ₹31,000 +HRA as applicable
 - Total project cost — ₹20 lakhs, excluding HRA and Overhead

Duration

The project is tenable for a maximum period of **three years**.

Deadline

The application opens **once a year**.

Website

<https://dst.gov.in/scientific-programmes/scientific-engineering-research/women-scientists-programs>

2.1.7. Junior Research Scholarship (LADY TATA MEMORIAL TRUST)

The Junior Research Scholarship (JRS) is offered to support candidates towards **pursuing a PhD** involving scientific investigations that will directly or indirectly work towards the **alleviation of human suffering from a disease**.

Eligibility

- Fresh MBBS/MSc/MPharm/MTech graduates
- Indian nationals from select Universities/institutes/laboratories, with first-class academics (60% and above), from Class X up to date
- Candidates with GATE/NET qualifications will be given preference

The candidate must complete the formalities for PhD registration within 9 months to 14 months from the date of joining as JR Scholar with the Trust, otherwise, the Trust will terminate the scholarship

Support

- Junior Research Scholar (JRS):
 - Two years commencing from the date of joining in the host institute for PhD work
 - ₹31,000 per month
- Senior Research Scholar (JRS):
 - Three years subject to approval by the Institutional Doctoral Committee and Lady Tata Trust's Indian Scientific Advisory Committee (ISAC)
 - ₹35,000 per month
- Annual contingency fund of ₹30,000
- House Rent Allowance
- 25% of the basic value of the scholarship to scholars doing research work in the select Metro cities
- 10% of basic value of their scholarship to scholars from other small towns or cities

Duration

The tenure of the scholarship is **five years**.

Deadline

The applications open every year in the **first week of December**.

Website

<https://www.ladytatatrust.org/>

2.2. PhD Fellowships (International)

2.2.1. TWAS-NRF Doctoral Programme

The NRF-TWAS Doctoral Fellowships are provided by the Department of Science and Technology (DST), Government of India and South Africa's National Research Foundation (NRF), in partnership with The World Academy of Sciences (TWAS) to advance science in developing countries. The NRF-TWAS Doctoral Fellowships are awarded to scientists from developing countries other than South Africa to enable them to **pursue PhD research in the natural sciences in research institutions in South Africa.**

Eligibility

- Candidates must be citizens or permanent residents of a developing country other than South Africa.
- Candidates must have obtained a minimum of 65% at the Master's level.
- Candidates must register at a South African public university in the year when the fellowship begins, on a full-time basis and may be based at any South African public research institution including Higher Education Institutions (HEIs), Science Councils and National Research Facilities.
- Candidates must not be living, studying or working in South Africa or any developed country.
- Applicants who were previously employed or studying towards a degree, or undertaking research in South Africa, and have returned to their country of origin, but have been in their country of origin for less than 2 years, are not eligible to apply.
- Age limit is 32 years.

Support

TWAS-NRF will provide Partial Cost of Study (PCS) funding which **only** cover tuition fees, accommodation costs with travel to and from South Africa.

Duration

TWAS-NRF Doctoral Fellowships are tenable at research institutions in South Africa for a maximum period of **three years**.

Deadline

The application opens **once a year**.

Website

<https://twas.org/opportunity/twas-nrf-doctoral-programme>

2.2.2. Research Grants — Doctoral Programmes (DAAD)

The aim of this programme is to **support doctoral projects** in a state or state-recognised institution of higher education, or a non-university research institute in Germany.

Eligibility

Excellently-qualified young academics and scientists who have completed a Master's degree or Diplom, or in exceptional cases a Bachelor's degree at the latest by the time they begin their grant-supported research.

Support

- Monthly payments for doctoral candidates during the stay in Germany: €1200
- Payments towards health, accident and personal liability insurance cover
- Travel allowance
- One-off research allowance
- Other additional benefits

Duration

A maximum of **four years**; the length of the grant is decided by a selection committee and depends on the project in question and the applicant's work schedule.

Deadline

The applications open **once a year**.

Website

daad.de/go/en/stipa57135739

2.2.3. Research Grants — Bi-nationally Supervised Doctoral Degrees/ Cotutelle (DAAD)

The aim of this programme is the funding of bi-national doctoral projects at the home university and at a university in Germany. This grant offers funding in two possible avenues – the sandwich model in which the candidate would be awarded the doctorate by the host institution in India; and the Cotutelle model in which the candidate would be jointly awarded doctorate by the host institutions in India and Germany.

Eligibility

Depending on the nature of the project:

- a. Bi-national supervision following the “sandwich model”: Applicants who have completed a Master’s degree or Diploma (in exceptional cases a Bachelor’s degree) at the latest by the beginning of their scholarship
- b. “Cotutelle” procedure: Applicants who have admission to a doctoral programme at the latest by the beginning of their scholarship

Support

- Monthly payments for doctoral candidates during the stay in Germany: €1200
- Payments towards health, accident and personal liability insurance cover
- Travel allowance, unless these expenses are covered by the home country or another source of funding
- One-off research allowance
- Travel and accommodation expenses according to the German Federal Travel Expenses Law for supervising university teachers for one trip of up to 10 days

Duration

The maximum duration for the research grant is **two years**.

Deadline

The application opens **once a year**.

Website

daad.de/go/en/stipa57507783



Fellowships for Pursuing Postdoctoral Research



“To find yourself, think for yourself.”

- Socrates

The period of postdoctoral research often marks the transition from being a student to reaching a position of autonomy such as a faculty position. For this, researchers should augment their professional growth with developing independence - in research questions, financial aspects, and ability to mentor or coordinate teams. This section is meant for students who are going to embark on postdoctoral research or are current postdoctoral fellows who wish to develop their independence as researchers. Some of the fellowships listed here allow for migration - to move to a different country for postdoctoral research. This gives postdoctoral fellows the scope to network and imbibe the best practices in science from other countries, which is important for developing a well-rounded portfolio.

Here you will find the details of fellowships available to Indians to pursue postdoctoral research nationally (Section 3.1) and internationally (Section 3.2) in the area of life sciences.

3.1. Postdoc fellowships (National)

3.1.1. Research Associateship Program (DBT)

The DBT Research Associateship program, coordinated by the Indian Institute of Science, Bangalore, aims to train post-doctoral students in frontier areas of research in **biotechnology and life sciences** at premier institutions in India.

Eligibility

- Applicants should hold a PhD degree in Science, Engineering or MD/MS degree in any area of medicine with a good academic record, and have research interests in biotechnology and life sciences.
- Applicants who have already submitted the PhD/MD/MS thesis, are also eligible to apply.
- Applicants should preferably be below the age of 40 years, and 45 years in case of women candidates.
- Persons already employed are also eligible to apply. However, their applications should be routed through their employers.

Support

- Stipend in the range of ₹47,000–54,000 per month
- Research contingency grant of ₹50,000 per year, payable to the host institution
- HRA (8%–24% depending on the city)
- Other benefits as per the GOI guidelines applicable to research fellowship/associateships

Duration

The fellowship is initially awarded for a period of **two years** and support can be **extended for 1–2 years** based on review of progress.

Deadline

Applications are invited twice a year. Advertisements are released in national English newspapers, including in the North East, in the months of **February and August every year**.

Website

<https://mrdg.iisc.ac.in/dbt-ra-program/about-dbt-ra-program/#>

3.1.2. National Post Doctoral Fellowship (SERB)

The SERB-National Post Doctoral Fellowship (N-PDF) is aimed at identifying and supporting motivated young researchers to do research in frontier areas of **science and engineering**. The fellow will work under a mentor, providing them a platform to develop as an independent researcher.

Eligibility

- The applicant should be an Indian citizen.
- The applicant must have obtained a PhD/MD/MS degree from a recognized university.
- Applicants who have submitted their PhD/MD/MS thesis and are awaiting award of the degree are also eligible to apply.
- The upper age limit for the fellowship is 35 years at the date of the application deadline. Age relaxation of 5 years will be given to candidates belonging to SC/ST/OBC/Physically Challenged and Women candidates.
- NPfD can be availed only once by a candidate in his/her career.

Support

- Fellowship — ₹55,000 per month + HRA (₹35,000 per month + HRA for candidates who have submitted the thesis but degree not awarded)
- Research Grant — ₹2,00,000 per year
- Overheads — ₹1,00,000 per year

Duration

The fellowship is a temporary assignment, and is tenable for a period of **two years**.

Deadline

The call for proposals for SERB-NPDF will be notified through www.serbonline.in.

Website

<http://www.serb.gov.in/npdf.php>

3.1.3. Dr. D. S. Kothari Postdoctoral Fellowship - Biological Sciences (UGC)

Dr. D. S. Kothari Postdoctoral Fellowship (DSKPDF) Scheme was expected to provide an opportunity to **fresh PhD graduates** to overcome the deficiencies in training at the doctoral level, and to explore new areas of research in better settings in the Indian University Sector.

Eligibility

- Age limit: 35 years (Up to 3, 5 and 10 years of age relaxation is allowed for OBC, SC/ST/ Women and physically handicapped respectively)
- Applicants with a PhD degree under science faculty
- Higher PDF (with marginally elevated stipend) for applicants identified as outstanding by standing (core) peer committee of reviewers

Candidates must identify a Mentor (affiliated to University/ Institute wherein DSK Fellowship is tenable) for postdoctoral research work and obtains his/her consent for the mentorship.

Support

- Monthly stipend:
 - Normal fellowship for the first, second and third year are ₹47,000, ₹49,000 and ₹54,000 respectively
 - Higher fellowship for all 3 years of fellowship is ₹54,000
- Contingency grant of ₹1,00,000 per year

Duration

The fellowship will be awarded on a yearly basis with renewal/ termination clause on the basis of the mentor or peer group appraisal. However, the maximum duration of the award would be **three years**. No extension is possible under any circumstances.

Deadline

There are no deadlines, and applications are received **throughout the year**.

Website

<http://ugcdskpdf.unipune.ac.in/index.html>

3.1.4. Early Career Fellowships (DBT/ Wellcome Trust India Alliance)

The DBT/ Wellcome Trust India Alliance offers funding which covers the full spectrum of **biomedical science** from fundamental molecular and cellular studies through clinical and public health research for researchers at different stages of their careers.

3.1.4.1. Basic Biomedical Research Fellowship

This scheme is meant for **newly qualified postdoctoral scientists** who wish to undertake high-quality research and establish themselves as independent researchers in areas of **biomedical sciences** that is **relevant to human and animal welfare**.

Eligibility

- Applicants with -1 to 4 years' experience post PhD
- Applicants in the final year of their PhD

Support

- Total Project Budget — Up to ₹1.7 Crores
- Salary — Up to ₹10.3 Lakhs per year
- Contingency — ₹2.5 Lakhs
- Provision for recruiting one technical support staff, expenses for which have to be borne from the total project budget allotted
- Additional expenses —
 - consumables
 - support for work outside the host institution up to 24 Months (\$3000 per month subsistence in addition to personal support)
 - funding for travel to meetings up to ₹1.5 Lakhs/year

Duration

The duration of the fellowship is **five years**.

Deadline

The applications launch during the month of **July** and **close in the month of August**.

Website

<https://indiaalliance.org/fellowshiptype/basic-biomedical-research-fellowships>

3.1.4.2. Clinical and Public Health Research Fellowship

Clinical and Public Health Research Fellowships (CPH) in the Early Career category are open only to applicants who are **clinicians** and **public health researchers** starting their independent research career but require a fellowship supervisor to acquire skills, training and resources to complete their project.

Eligibility

- Applicants must be in the final year of MD/MS/MPH/PhD studies or have up to four years of postdoctoral/post-MD/post-MS/post-MPH or equivalent research experience.
- Applicants do not require a PhD to apply but must demonstrate commensurate research experience for the particular scheme.
- Qualifying clinical degree must be recognised by the Medical Council of India.

Support

- Total Project Budget — Up to ₹1.9 Crores
- Salary — Up to ₹13.4 Lakhs per year
- Contingency — ₹2.5 Lakhs
- Additional expenses:
 - o consumables
 - o support for work outside the host institution up to 24 Months (\$3000 per month subsistence in addition to personal support)
 - o funding for travel to meetings up to ₹1.5 Lakhs/year

Duration

The duration of the fellowship is **five years**.

Deadline

Applications open in the month of **January** and **close in the month of February/March**

Website

<https://indiaalliance.org/fellowshiptype/clinical-and-public-health-research-fellowships>

3.1.5. Fellowship Programmes (DHR)

The Human Resource Development Scheme of the Department of Health Research aims to create a pool of trained health research personnel in the country through programmes such as scholarships, fellowships and career advancement schemes targeting **faculty, young medical doctors, and other scientists**, to encourage them to take up medical and health research as a career.

Specific priority areas of health research identified for the schemes include **Clinical Trials, Toxicology, Good Clinical Practices (GCP), Good Laboratory Practices (GLP), Quality Control (QC) & QA, Genomics, Proteomics, Clinical Psychology, Geriatrics, Modern Biology, Biotechnology, Stem cells, Genetics, Drugs chemistry, and Operational research.**

The scheme also aims to create and support trainees from medical colleges to forge linkages with scientists from other universities and research institutes to develop multidisciplinary and multi-sectoral teams necessary for addressing critical national and local health problems.

Components of schemes for early career researchers are given below:

3.1.5.1. Fellowship Programme for Young Scientists

The Human Resource Development Scheme of the Department of Health Research focuses on the creation of a cadre of trained medical or health researchers in specific identified priority areas of health research, including clinical trials, toxicology, biotechnology, stem cells, genetics.

As part of this scheme, the fellowship programme for Young Scientists offers opportunities to young researchers to work in cutting edge areas of health research.

Eligibility

Students pursuing a postgraduate degree such as MD/ MS/ MDS/ MBBS/ MPharma/ MTech/ MSc or PhD with a good academic record

Age limits: 35 years for Category A; 30 years for Category B, calculated on the date of submission of the application

Support

Category A — Fellows who hold MD/ MS/ MDS/ or PhD in bio-medical sciences

Stipend of ₹70,000 per month for Medical applicants

Stipend of ₹60,000 per month for Non-medical applicants

Contingency grant up to ₹10 lakhs per year

Category B — Fellow who are MBBS/BDS/ MVSc Or MSc in bio-medical sciences and having at least 2 years working experience in bio-medical field

Stipend of ₹55,000 per month for Medical applicants

Stipend of ₹50,000 per month for Non-medical applicants

Contingency grant up to Rs 10 lakhs per year

Duration

The fellowship will be awarded on a year to year basis, not exceeding **three years**, based on satisfactory progress and research output.

Deadline

Applications can be submitted online **throughout the year**.

Website

<https://dhr.gov.in/schemes/human-resource-development-health-research-hrd>

3.1.5.2. Fellowship Programme for Women Scientists

The fellowship programme supports **women scientists** who have had a **break in their career** to bring them into the mainstream of health research. This scheme encourages women scientists to pursue research in identified areas of **bio-medical** or **health research**.

Eligibility

- Indian women citizens who are presently unemployed
- Qualifications for Category-A: MD/ MS/ MDS or MBBS/ BDS/ MVSc/ MSc/ MPharma/ MTech or equivalent, with a PhD in a topic related to health research
- Qualifications for Category-B: MBBS/BDS or MSc/ MPharma/ MTech or equivalent with **minimum two years' experience** after the degree
- Age group: 30-50 years, as on the last date of receipt of application (Age relaxation of 5 years for candidates belonging to SC/ST/OBC and physically challenged category)
- Minimum of **1 year break in career**

Support

Category A:

- Fellowship of ₹70,000 per month for Medical applicants
- Fellowship of ₹60,000 per month for Non-medical applicants
- Contingency grant up to ₹10 lakhs per year

Category B:

- Fellowship of ₹55,000 per month for Medical applicants
- Fellowship of ₹50,000 per month for Non-medical applicants
- Contingency grant up to ₹10 lakhs per year

Duration

The fellowship is tenable for a period of **three years**.

Deadline

Applications can be submitted online **throughout the year**.

Website

<https://dhr.gov.in/schemes/human-resource-development-health-research-hrd>

3.1.6. Har Gobind Khorana Innovative Young Biotechnologist Award (DBT)

This is an attractive, career-oriented scheme to identify and nurture outstanding **young scientists**, including postdoctoral fellows, with innovative ideas, desirous of pursuing research in frontier areas of **biotechnology**.

Eligibility

- The applicant should be an Indian Citizen.
- The applicant should have secured First Class in all academic degrees from the graduate level onwards.
- The applicant must have a PhD in any branch of life sciences, computational sciences (applied to biotechnology, medicine or biological sciences), veterinary sciences, pharmaceutical sciences and agricultural sciences. Master degree holders in medicine or dentistry (MD/MS/MDS or IMC designated equivalent) and engineering or technology (MTech or AICTE designated equivalent) are also eligible to apply.
- The applicant should have an excellent track record with at least a total of 4 journal publications as first or corresponding author, two granted Indian patents, or one granted International patent.
- Age limit: 35 years of age on the last date of submission of application. Age relaxation of 5 years for Candidates belonging to SC/ST/OBC, Women and Physically Handicapped Category.
- Fresh PhD scientists are strongly encouraged to apply if they meet the mandatory requirements.

Support

- The award shall cover both non-recurring and recurring financial grants for executing the innovative research plan proposed by the awardee.
- This includes equipment, computational and communication facilities up to ₹10 lakhs; consumables, contingencies and travel up to ₹10 lakhs per year; and manpower for one JRF or SRF or one Project Assistant/Associate Level I/II as per DBT rules.
- Additionally, a fellowship of ₹75,000 per month will be provided to awardees who do not have regular employment, or are not drawing any other fellowship. Awardees having regular employment or availing another fellowship, will receive a cash award of ₹1,00,000 per year.

Deadline

The application opens once a year and closes in **the month of June**.

Duration

The duration of the project is normally a period of **three years**, subject to satisfactory progress.

Website

<http://dbtindia.gov.in/schemes-programmes/building-capacities/awards/innovative-young-bio-technologist-award-iyba>

3.1.7. Nehru Science Postdoctoral Research Fellowship (CSIR)

CSIR-Nehru Science Postdoctoral Research Fellowship Scheme has been instituted to identify promising young researchers with innovative ideas and provide them with training and research opportunities in **CSIR laboratories** with state-of-art R&D facilities in niche areas of **basic science, engineering, medicine** and **agriculture**. CSIR offers **100 such fellowships** every year.

Eligibility

- Indian nationals, Persons of Indian Origin (PIO) and Overseas Citizens of India (OCI)
- Up to 20% of fellowships offered to foreign nationals
- PhD degree holders within three years of award of PhD degree, or those who have submitted PhD thesis
- Applicants with research publications in high impact factor SCI journals
- Age limit: 32 years (can be relaxed up to 5 years for SC/ST/Physically handicapped or women candidates, and 3 years for OBC candidates)

Support

- Fellowship of ₹65,000 per month plus HRA as admissible
- Contingency grant of ₹3 lakhs per year (25% of contingency can be used for domestic and international travel including per diem expenses)

Duration

The fellowship is tenable for **two years**, which is extendable for maximum one more year based on outstanding performance and recommendation from the Director of the CSIR lab where working.

Deadline

Applications are open **throughout the year**. However, the selections are made twice a year in the months of June and December.

Website

<https://www.csirhrdg.res.in/Home/Index/1/Default/1516/55>

3.1.8. INSPIRE Faculty Fellowship Scheme (DST)

Part of the AORC component of the INSPIRE programme, the INSPIRE Faculty Fellowship Scheme offers research fellowships to postdoctoral researchers, and provides an opportunity for independent research in the near term and emerge as a future leader in science & technology, through contractual and tenure track positions in both **basic** and **applied sciences**.

Eligibility

- Indian citizens and people of Indian origin including NRI/PIO status with PhD in science, mathematics, engineering, pharmacy, medicine, or agriculture related subjects from any recognized university in the world
- Those who have submitted their PhD thesis and are awaiting award of the degree (Award will be conveyed only after confirmation of the PhD degree)

Support

- Fellowship of ₹1,25,000 per month at the time of entry with ₹2000 increment every year
- Research grant of ₹35 lakhs for 5 years (at the rate of ₹7 lakhs per year)

Duration

The INSPIRE Faculty Fellowship is tenable for a maximum period of five years and no further extension will be given.

Deadline

Calls for applications are advertised two times in a year i.e. **January and July** in major newspapers.

Website

<http://www.online-inspire.gov.in>

3.1.9. Research Associateship (CSIR)

The CSIR- Research Associateship supports bright young men and women for training in methods of research under the expert guidance of faculty members/ scientists working in University Departments/ Institutes of National Importance/National Laboratories and Institutes of CSIR in various fields of **Science & Technology** and **Medical Sciences**.

Eligibility

- The CSIR Fellowships/Associateships are tenable in India. Only bonafide Indian citizens residing in India are eligible for the award of research Fellowship/Associateships.
- Candidates with PhD (in any science or engineering subject) or MD/ MS/ MDS (in any medical science subject) or ME/ MTech/ MPharm/ MVSc with three years R&D experience as on the last date of application, evidenced from RAship or from date of registration of PhD.
- Candidates who have submitted PhD thesis (science/ engineering) are also eligible for Research Associateship. Selection in such cases will be subject to the condition that PhD viva-voce will be done and the candidate be either declared qualified for award of PhD or awarded PhD degree, before the expiry of the validity of the award offer.
- The candidate applying for Research Associateship must have at least one research publication in a standard refereed journal as listed in Journal Citation Reports (JCR).
- The upper age limit for applying for award of RA is 35 years. The upper age limit can be relaxed up to 5 years in the case of applicants belonging to scheduled castes/scheduled tribes, physically handicapped and women applicants, and 3 years in case of OBC.

Support

- The consolidated stipend of RA will be one of the following:
 - o ₹47,000 (fixed)
 - o ₹49,000 (fixed)
 - o ₹54,000 (fixed)
- An annual contingency grant of ₹20,000 per associate provided to the host University/Institution
- Stipend normally is fixed at ₹47,000, but selected RAs may be provided a higher stipend upon ample justification and recommendation from discipline wise Selection Committee with approval from the DG, CSIR

Duration

The total tenure of RA is **three years**.

Deadline

Applications are invited once a year and **close during the month of July/August**.

Website

<https://www.csirhrdg.res.in/Home/Index/1/Default/1540/56>

3.1.10. Research Associateship (ICMR)

The Indian Council of Medical Research awards the following categories of fellowships to young scientists to enable them to carry out research as Research Associates in the field of **biomedical sciences** at the permanent Institutes of the Council, other biomedical research institutes, medical colleges and Universities in India where adequate laboratories and other facilities to carry out research are available.

Eligibility

- Doctorate degree in Medicine MD/MDS, or PhD in any field
- Age limit is 40 years (Relaxed by 2 years in case of woman candidates)

Support

- **Stipend**
Research Associate - I: ₹36,000 per month plus HRA
Research Associate - II: ₹38,000 per month plus HRA
Research Associate - III: ₹40,000 per month plus HRA
- **Contingent grant:** ₹20,000 per year

Duration

Maximum tenure is three years, and is subject to annual review of work done.

Deadline

Please visit the funding agency website.

Website

<https://main.icmr.nic.in/content/srfra>

3.1.11. BioCare (DBT)

The Biotechnology Career Advancement and Re-orientation Programme (BioCare) aims to **build capacities for women scientists** employed full time in Universities and small research laboratories or unemployed women scientists after a career break so as to help them undertake independent R&D projects. The scheme is open for all areas of **Life Sciences including agriculture, veterinary science and medicine**.

Eligibility

- MD/ MTech/ PhD/ Equivalent degree in any branch of Life Sciences
- Women scientists who are employed, or unemployed, or are desirous of coming back after a break
- Women scientists for whom it is the first grant. (Women scientists who have already availed any grant as a Principal Investigator from any Government funding agency including WOS -Women Scientists Scheme (A and B), and the Fast Track Scheme of DST are not eligible to apply)
- Age limit is 55 years

Support

1. For unemployed women scientists:
Provision for fellowship amount as lump sum in the following 3 slabs (based on post PhD experience) under the Research Grant Opportunity (RGO):
 - Grade-I (more than 2 years research/industrial experience) — ₹50,000 per month
 - Grade-II (more than 5 years research/industrial experience) — ₹55,000 per month
 - Grade-III (more than 10 years research/industrial experience) — ₹60,000 per month
 - Early Career Scientists (ECS) category (less than 2 years of experience) — ₹50,000 per month
2. For employed grantees: ₹10,000 per month as an incentive, in addition to the salary being received from the parent institute/university

Duration

The fellowship is tenable for **three years**, with the possibility of an extension for two years after review.

Deadline

Please visit the funding agency website.

Website

<http://www.nari.nic.in/sites/default/files/BioCARE-Guidelines-2016.pdf>

<http://dbtindia.gov.in>

3.1.12. Women Scientist Scheme - A (DST)

Women Scientists Scheme-A (WOS-A) provides a platform to **women scientists and technologists** with a **career break** for pursuing research in **basic or applied sciences in frontier areas of science and engineering**. The scheme plays a pivotal role in gender mainstreaming as it not only prevents brain drain from the S&T system but also trains and retains women in the system. The scheme initially offers the opportunity to work as bench-level scientists and ultimately opens new avenues for permanent positions in Science & Technology.

Eligibility

- PhD in Basic or Applied Sciences
- Age group: 27–57 years; Age relaxation of 5 years for candidates belonging to SC/ST/OBC-category and physically challenged candidates
- Minimum 2 years of break in career

Support

- Stipend — ₹55,000 + HRA as per norms
- Total project cost (excluding HRA and Overhead) — ₹30 Lakhs
- Total project cost includes the above fellowship of the grant awardee, consumables, travel, contingencies and minor equipment but excluding HRA and overheads

Duration

This scheme will provide a research grant for a well-defined project proposal for a period of **maximum three years**.

Deadline

The scheme is open **throughout the year**.

Website

<https://dst.gov.in/scientific-programmes/scientific-engineering-research/women-scientists-programs>

3.1.13. Women Scientist Scheme - B (DST)

Women Scientist Scheme-B (WOS-B) is aimed at providing opportunities to **women scientists and technologists** who aim to return into the mainstream after a **career break**, with a focus on projects related to **Science & Technology (S&T) interventions for societal benefit**. Such project proposals should address a well-identified societal challenge and deliver possible solution(s) by way of development of viable technology/technique and/or lab-to-land technology transfer, its adaptation and scaling up.

Eligibility

- Women having qualifications in science & technology areas at the postgraduate level
- Age group: 27-57 years; Age relaxation of 5 years for candidates belonging to SC/ST/OBC-category and physically challenged candidates
- **Minimum 2 years' break** after PhD award
- Not eligible — Women working as permanent employees

Support

- Stipend — ₹55,000 + HRA as per norms
- Total Project Cost (excluding HRA and Overhead) — ₹30 Lakhs
- Total project cost includes the above fellowship of Principal Investigator (PI), consumables, travel, contingencies and minor equipment but excluding HRA and overheads

Duration

The project is tenable for a maximum period of **three years**.

Deadline

The application opens **once a year**.

Website

<https://dst.gov.in/scientific-programmes/scientific-engineering-research/women-scientists-programs>

3.1.14 Raman Post-Doc Program (IISc)

The Indian Institute of Science (IISc) has been recognised as an Institution of Eminence (IoE) by the Government of India. As a part of the IoE initiative, IISc has created the Raman Post-Doc Program, a highly selective Post-Doc program with **50 positions**. A candidate applies for a specific Department or Centre at the Institute. The departments to which a candidate can apply in the Biological Sciences are **Biochemistry; Centre for Ecological Sciences; Centre for Neuroscience; Microbiology and Cell Biology; Molecular Biophysics Unit; and Molecular Reproduction, Development and Genetics**.

Eligibility

- PhD, with First Class or equivalent (in terms of grades etc.) in the preceding degree and a good academic record throughout
- Candidates who are expecting to submit the PhD thesis shortly; applications will be considered only after thesis submission
- Candidates less than 32 years of age at the time of application
- Overseas Citizens of India (OCI), Persons of Indian Origin (PIO), and foreign nationals

Support

- Consolidated monthly package of ₹1 lakh
- Research grant of ₹8 lakhs per year

Deadline

Candidates can apply **any time during the year**.

Duration

The duration of the fellowship is **two years**. In exceptional cases, the duration may be extended by one more year.

Website

<https://www.iisc.ac.in/post-docs/>

3.1.15. Campus Fellows Program (NCBS-TIFR)

The Campus Fellows Program is targeted at **postdoctoral scientists** of exceptional talent, and provides them support to drive new research directions in their **host laboratories at NCBS or inStem**, and to establish themselves as independent scientists.

Eligibility

- Candidates should not have more than 4 years of postdoctoral research experience.
- Fellows must be sponsored by a local host who is a member of NCBS/ inStem Faculty.

Support

- The Fellowship provides a consolidated salary of ₹90,000 per month as well as campus housing.
- The program is flexible: Fellows may choose to hold a part of their fellowship off-campus for collaborative work and training relevant to their research. During their tenure, Fellows are also eligible to apply for external competitive awards.

Duration

Campus Fellows are appointed for a maximum period of four years, contingent on successful annual review every year.

Deadline

Please visit the website link provided below.

Website

<https://www.ncbs.res.in/academic/postdoc-cfp>

3.1.16. The Branco Weiss Fellowship – Society in Science (ETH)

The Branco Weiss Fellowship – Society in Science is a unique postdoctoral programme based at the Swiss Federal Institute of Technology (ETH) in Zurich, that awards young researchers around the world with a generous **personal research grant**, giving them the freedom to work on whatever topic they choose anywhere in the world, for up to five years.

This research fellowship is designed to support postdoctoral researchers after their PhD and before their first faculty appointment. Those in current postdoctoral positions are also eligible. Ideally, fellows pursue unconventional projects in **new areas of science, engineering and social sciences**.

Eligibility

The ideal applicant has the competencies to design a surprisingly novel and scientifically rigorous research project which blazes new trails, profiting from the freedom uniquely offered by the fellowship. The applicant:

- should hold a PhD on the stipulated date
- should have obtained the PhD a maximum of five years prior to the stipulated date
- should not hold or have held a faculty-equivalent position (e.g. assistant professor or lecturer)
- propose a project that departs from the mainstream of research in their discipline
- must have a record of outstanding scientific achievement
- must demonstrate in the proposal, a willingness to engage in a dialogue on relevant social, cultural, political or economic issues across the frontiers of their particular discipline

The following reasons for delays after obtaining PhD are acceptable:

- parental leave (maximum of one year per child)
- inability to work due to illness or accident

Applicants must explain their reasons for applying for an extension and provide the relevant documents. The number of weeks that the research work was interrupted is accepted as an extension.

Support

A Branco Weiss Fellowship consists of CHF 100,000 per year. It may be used to cover all legitimate costs of research (i.e. salary and/or equipment, travel expenses, consumables, personnel, etc.).

Duration

The fellowship is awarded in two instalments for a total of **five years**:

1. The pioneer phase: the first two years of research
2. The exploitation phase: the remaining three years

Deadline

The applications are open **once a year**.

Website

<https://brancoweissfellowship.org/>

3.2. Postdoctoral Fellowships (International)

3.2.1. Postdoctoral Fellowship (EMBO)

EMBO Postdoctoral Fellowships are awarded to support excellent postdoctoral researchers in laboratories throughout Europe and the world. **International exchange** is a key requirement. EMBO Postdoctoral Fellowships also support the career development of the fellows through leadership courses and networking opportunities.

Eligibility

Applicants must:

- hold a doctorate degree or equivalent at the start of the fellowship
- have obtained PhD during the two years prior to the last date of application
- have at least one first author publication accepted in or published in an international peer reviewed journal at the time of application
- must apply with projects that involve movement between countries (detailed information about mobility requirements is listed in the EMBO Postdoctoral Fellowships guidelines)

Support

Within [EMBC member countries](#), EMBO provides grants to the host institution that should be used to cover the cost of an employment contract to be issued by the host institution to the awardee. These costs include employer's social contributions, awardee's social contributions, taxes as required by national and local laws and regulations, and the net salary of the awardee.

Childcare allowance: For children under the age of six, fellows can claim support for incurred childcare costs up to the amount of €2500 per fellowship year for each child.

Relocation allowance: The relocation allowance is intended to cover travel costs up to the amount of €5000 for the fellow and his/her family to and from the host institute. The relocation allowance further includes half a month's grant rate to contribute to relocation costs.

Duration

EMBO Postdoctoral Fellowships are awarded for a period of **two years** although shorter durations can be requested. The minimum fellowship duration that can be requested is one year. Fellowships must be started within one calendar year from the relevant evaluation cut-off.

Deadline

Applications are invited **throughout the year**.

Website

<https://www.embo.org/funding-awards/fellowships/postdoctoral-fellowships.html#about>

3.2.2. Postdoctoral Fellowships (HFSP)

The Human Frontier Science Program (HFSP) fellowship program supports proposals for frontier, potentially transformative research in the **life sciences**. The projects should be **interdisciplinary in nature** and should challenge existing paradigms by using novel approaches and techniques. Scientifically, the projects should address an important problem or a barrier to progress in the field, and high-risk projects are encouraged. HFSP postdoctoral fellowships encourage early career scientists to broaden their research skills by moving into new areas of study while working in a new country.

Two different fellowship programs are available:

Long-Term Fellowship

Long-Term Fellowships for applicants with a PhD in a biological discipline, who will broaden their expertise by proposing a project in the life sciences which is significantly different from their previous PhD or postdoctoral work.

Cross-Disciplinary Fellowship

Cross-Disciplinary Fellowships are for applicants with a PhD from outside the life sciences (e.g. in physics, chemistry, mathematics, engineering or computer sciences).

Eligibility

1. Nationality

- A candidate who is not a national from one of the [HFSP0 member countries](#) may apply to work only in a research institution in one of the member countries.
- A candidate who is a national of one of the member countries can apply to work in a research institution in any country.
- Applicants must propose to work in a country different to the one where they did their previous PhD work or postdoctoral studies. For those institutions that are not classified as national, i.e. international or extraterritorial institutions such as EMBL, ICPT or ICGEB, the country in which the laboratory is located will be considered the host country.

2. Doctoral degree

A research doctorate (PhD) or a doctoral-level degree comparable to a PhD with equivalent experience in basic research (e.g. a research-based MD or medical PhD) must be conferred by the start of the fellowship. It is not required at the time of submission. The “conferral date” is the date on the official PhD document.

3. Research publications

Applicants must have at least one lead author, full-length research paper - either accepted for publication, in press or published - in an international peer-reviewed journal or published on a pre-print server such as bioRxiv by the stipulated deadline in order to be eligible to apply.

Only publications written in English are taken into account. Review articles and patents are not taken into account. Electronic copies of lead author publications must be uploaded while preparing the application. They cannot be uploaded after the applicant has submitted.

Support

Fellows are granted a living allowance as well as a research and travel allowance. Depending on their specific situation, fellows may also qualify to receive a child allowance, a parental leave allowance and a relocation allowance.

Duration

The HFSP fellowships are for **three years**, with no possibility for renewal.

Deadline

The applications are invited **once a year**.

Website

<https://www.hfsp.org/funding/hfsp-funding/postdoctoral-fellowships>

Related resource

<https://indiabioscience.org/indiabiostreams-old/indiabiostreams-learn-about-hfsp-research-grants>

3.2.3. Newton International Fellowship program (AMS/DBT)

The Academy of Medical Sciences, in partnership with the Royal Society and the British Academy, offers Newton International Fellowships to support **early career international researchers from partner countries** with an opportunity to build links and undertake a research project for an extended period with leading researchers in the UK.

The fellowship is offered in partnership with the Department of Biotechnology, India to support the development and training of postdoctoral researchers from India at an early stage of their career.

Eligibility

- Applicants having a PhD or in the final stage of their PhD provided that it will be completed (including viva) before the start date of the fellowship
- Applicants who have obtained a PhD from India and are located in India at the time of application
- Affiliation: All Indian institutes/universities funded by central/state governments, and all not-for-profit research organizations
- **No more than 4 years of active full-time postdoctoral experience** at the time of application (discounting career breaks, but including teaching experience and/or time spent in industry)
- Applicants having a clearly defined, mutually-beneficial, and interdependent research proposal agreed with both UK and Indian co-applicants
- Not eligible — Applicants holding UK citizenship

Support

AMS funding (Years 1 and 2) will consist of:

- £24,000 per year for subsistence costs (tax exempt)
- up to £8,000 per year for consumables
- A one-off payment of up to £2,000 for relocation expenses in Year 1 only
- A contribution equal to 50 % of total award to enable the UK host institution to host a Fellowship

DBT Funding (Year 3) will consist of:

- Monthly subsistence at ₹67,000 + HRA
- Consumable grant of ₹2,00,000
- A sum of ₹50,000 to the home institution for covering access to resources, facilities and infrastructure by the fellow
- A contingency grant of ₹30,000
- A travel grant of ₹50,000 for attending domestic conferences/ delivering talks etc.
- Travel grant of ₹1,00,000 to enable the Awardee to visit India during Years 1 and 2 to attend training/evaluation/workshops organised by the DBT

Duration

The total duration of the fellowship will be **36 months**. The fellow will spend the first **24 months in the UK** followed by **12 months in India**.

Deadline

The application opens **once a year**.

Website

<http://dbtindia.gov.in/latest-announcement/ams-dbt-newton-international-fellowship-postdoctoral-research>

3.2.4. Humboldt Research Fellowship

The Alexander von Humboldt Foundation enables highly-qualified scientists and scholars from abroad who are just embarking on their academic careers and who completed their doctorates less than four years ago to spend extended periods of research in Germany. Scientists and scholars from **all disciplines and countries** may apply.

Eligibility

- Candidates with a doctorate or comparable academic degree (PhD, CSc, or equivalent), completed less than four years prior to the date of application
- Candidates who have nearly completed their doctoral degrees (at the earliest, 6 months prior to the completion of their dissertation), provided that they submit a brief summary of their dissertation or publications containing the results of their dissertation
- Candidates with academic publications reviewed according to international standards and printed in journals and/or by publishing houses
- Confirmation that research facilities are available and mentoring agreement and a detailed expert's statement by an academic host at a research institution in Germany
- Expert reviews from the doctoral supervisor and one other academic qualified to give well-founded comments on the applicant's qualification, preferably including reviewers not working at the applicant's own institute
- Necessary language skills:
 - humanities or social sciences and medicine: good knowledge of German if it is necessary to carry out the research successfully; otherwise a good knowledge of English
 - natural sciences and engineering: good knowledge of German or English

Support

- The fellowship provides €2,670 per month. This includes a mobility lump sum and a contribution towards health and liability insurance.
- The fellowship provides for additional expenses including lump sum for travel, family allowance, and extensive alumni support.

Duration

A Humboldt Research Fellowship for postdoctoral researchers allows you to carry out **long-term research (6-24 months)** in **Germany**.

Deadline

Applications are invited **throughout the year**.

Website

<https://www.humboldt-foundation.de/en/apply/sponsorship-programmes/humboldt-research-fellowship>

3.2.5. Marie Skłodowska-Curie Actions — Individual Fellowship

Part of the Marie Skłodowska-Curie Actions, Individual Fellowships (IF) are meant for experienced researchers looking to boost their career by working abroad.

Researchers from India are eligible for the European Fellowship type of the Individual Fellowships.

European Fellowships

- are open to researchers moving within Europe, as well as those coming in from other parts of the world
- can restart a research career after a break, such as parental leave
- can help researchers coming back to Europe find a new position
- are tenable in the EU or associated countries and last for one to two years

Eligibility

- Experienced researchers from across the world
- Applicants with a doctoral degree or at least four years' full-time research experience by the time of the call deadline

Support

The grant provides an **allowance to cover living, travel and family costs**. In addition, the EU contributes to the training, networking and research costs of the fellow, as well as to the management and indirect costs of the project. The grant is awarded to the host organisation, usually a university, research centre or a company in Europe.

Duration

These fellowships last for **one to two years**.

Deadline

The applications open **once a year**.

Website

https://ec.europa.eu/research/mariecurieactions/actions/individual-fellowships_en

Related reading

<https://indiabioscience.org/news/2020/opportunity-for-research-excellence-through-marie-sk%C5%82odowska-curie-fellowships>

3.2.6. Postdoctoral Intramural Research Training Awards (NIH)

Postdoctoral training in the NIH Intramural Research Program (IRP) provides the opportunity for **recent doctoral degree recipients** to enhance their research skills in the resource-rich National Institutes of Health (NIH) environment while pursuing **basic, translational, and clinical research**.

Eligibility

- Individuals must hold a doctoral degree (PhD, MD, DDS, or the equivalent) with no more than five years of relevant research experience since receipt of their most recent doctoral degree.
- Citizens of other nations than the US are eligible and will be appointed as Visiting Fellows.

Support

- The stipends for postdoctoral trainees at the NIH are adjusted yearly; with supplements for prior experience, multiple degrees, and expertise in areas of current interest to the NIH such as mathematics, engineering, chemistry, and bioinformatics.
- Benefits include health insurance for the trainee and his/her family, and support for course-work related to the trainee's research and travel to meetings is often available.

Duration

An individual can spend an additional three years as a Research Fellow after reaching the five-year limit of the Postdoctoral Fellow appointment.

Deadline

The applications are accepted **throughout the year**.

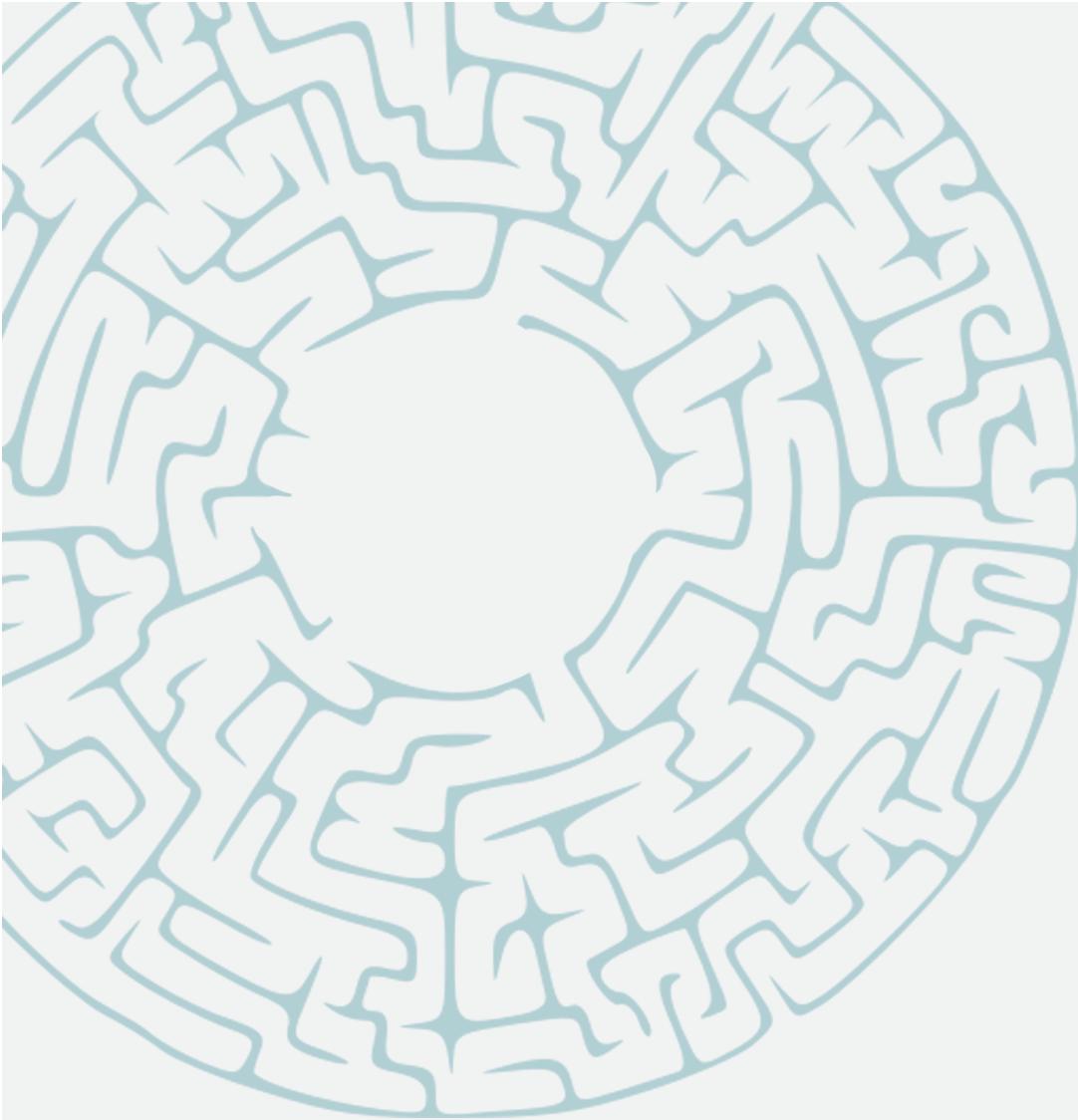
Website

<https://www.training.nih.gov/postdoctoral/vf.asp>

Travel Awards

4





“If you want to have good ideas, you must have many ideas.”
– Linus

Meetings, conferences and short-term exchanges provide a platform for scientific development by facilitating collaborations, discussions, exposure to scientific developments, and space to highlight one’s research. These are as important as exemplary research. In this section, you will find the details of travel awards available to Indian PhD students and postdoctoral researchers in the life sciences to attend conferences, meetings, workshops, and short term research exchanges in India and abroad.

4.1. Funding schemes to attend meetings/ conferences

4.1.1. Travel Support Scheme (DBT)

DBT's Travel Support Scheme provides financial assistance to scientists and researchers involved in **Biotechnology** for presenting their research papers in international events being held outside India. The **event should be of international nature** sponsored by foreign governments, international organizations or institutions under the aegis of multilateral, regional or bilateral arrangements.

Eligibility

- Active researcher engaged in research and development and promotion of biotechnology
- Preference to scientists below the age of 50 years
- Minimum educational qualification: Postgraduate in science or Bachelor's degree in engineering/technology or equivalent
- Investigators/co-investigators of DBT - supported projects or programmes, chairmen and expert members of various task forces, Biotechnology Research Promotion Committee, SAC-DBT
- Scientists who have not availed financial assistance for travel support from the government in the last three financial years
- Scientists with a paper accepted for presentation as a single or lead author

Support

The scheme provides up to full reimbursement of the actual return airfare in economy/excursion class by AirIndia to applicants from the nearest airport to the place of work in India to the venue of the event.

The upper limits for the grant are as below:

- America, Australia, Canada, South Africa — ₹60,000 for full ticket
- Europe, China and Russia — ₹40,000
- South Asian Countries — ₹30,000

Deadline

Open throughout the year. Applications must be submitted on the website between **24 weeks to 12 weeks** in advance.

Website

<https://www.dbtctep.gov.in/staticTravelGuidelines.htm>

4.1.2. Travel Grant Scheme (CSIR)

The Scheme is aimed at providing financial assistance to researchers for participating and presenting their research papers in **international scientific events**.

Eligibility

- The applicant should be an active **Young Indian Researcher** (PhD student, Research Associate, Resident & Doctor, etc.) or **Emeritus Scientist/ other non-regular researcher** engaged in research and development.
- Minimum educational qualification is a postgraduate degree in science or Bachelor's degree in engineering/technology/ medicine or equivalent qualification from a recognized university or institution.
- The applicant should not have availed financial assistance for travel support from CSIR in the last 3 years.
- The applicant should have published paper(s) in refereed journals.
- The applicant should have an accepted paper for presentation as a single or lead author, or have received an invitation as a Keynote Speaker or to chair a session, at the event.

Support

The scheme provides up to full reimbursement of the **actual return airfare** from the place of work in India to the venue of the event. The journey should be undertaken by the shortest route in excursion/economy class by Air India.

Deadline

Application form must reach CSIR-HRDG between **4 months to 2 months before the event**.

Website

<https://csirhrdg.res.in/Home/Index/1/InPage/51/14>

4.1.3. International Travel Scheme (SERB)

The International Travel Support (ITS) Scheme provides **financial assistance** to Indian researchers for **presenting a research paper in an international scientific event held abroad**. In addition, support is also provided to **young scientists** (age limit below 35 years as on date of start of the event) for attending training programmes, short-term schools and workshops.

Eligibility

- The applicant should be an active Indian researcher engaged in R&D work in recognized academic institutions or research laboratories in India.
- The applicant should have an invitation for presenting an original scientific paper in the event, or an invitation to attend the training programme, for which support is being requested.
- The applicant should not have availed financial assistance under this scheme during the last three years.
- Invitation of personal nature such as for carrying out postdoctoral work, informal training programmes/courses, internship, observer-ship etc. will not be eligible for support.
- The applicant must have obtained a Master's degree in science or Bachelor's degree in professional courses from a recognized university at the time of submission of application.

Support

- Return economy class airfare by the shortest route, airport tax and visa fees for attending the specific event
- Full registration fee or ₹50,000 whichever is less, for young scientists (Age < 35 on the date of start of event)

Deadline

The researchers are required to apply online through the portal between **60–90 days in advance** prior to the start date of the event. The system will not accept early or late submission of applications.

Website

<https://serbonline.in/SERB/its>

4.1.4. Early-Career Travel Grants (eLife)

The programme supports **early-career researchers** to promote their research and set up new collaborations at meetings of their choice.

Eligibility

- Postdoctoral researchers and independent scientists with up to five years of active research experience, and who have authored or co-authored a research paper published (or accepted for publication) at eLife
- Priority given to applicants with an abstract already accepted for presentation at their chosen meeting

Support

The scheme provides for a **travel grant** of **up to \$1,000** to each awardee.

Deadline

Application deadlines are on **March 1** and **September 6**.

Website

<https://elifesciences.org/inside-elife/aff37cb5/early-career-travel-grants-applications-are-open-for-2020>

4.1.5. Travel Grants Program (India Network Foundation)

The Academic Travel Grants from the India Network Foundation provides travel support to **researchers based in India** to present their work at **scientific meetings in the U.S.**

Eligibility

- This program is open to all University Faculty and Doctoral Program students in India.
- The applicant's paper must have been accepted for presentation at a national or international scientific meeting to be held in North America.
- Peer reviewed presentations are given preference over automatic invitation generating conferences.
- Poster presentations are not eligible for travel grants.

Support

- Grant funds will cover **conference related actual expenses (travel, hotel, medical insurance)**. However, no stipends nor funds for preparation of research papers are provided. Preference will be given to participants that have received partial support from the home institutions or conference organizers.

Website

<https://indnet.org/travel-grants.html>

4.2. Funding schemes for collaborative visits

4.2.1. Short-term Fellowship (EMBO)

Short-Term Fellowships fund **research exchanges** of up to three months between laboratories in eligible countries. Awarded applicants can stay on their research visit for an additional three months (maximum), however, EMBO will not provide funding for this extended period.

Eligibility

- Applicants must be active researchers at any stage in their career with a minimum of one year of research experience at the PhD student level, or equivalent at the time of application.
- EMBO Short-Term Fellowships are awarded for research exchanges between laboratories in EMBC Member States, Associated Member States, or Cooperation Partners.
- EMBO Short-Term Fellowships are not awarded for exchanges between two laboratories within the same country.

Duration

Short-Term Fellowships fund research exchanges of up to **three months** between laboratories in eligible countries.

Deadline

Applications accepted **throughout the year**.

Website

<https://www.embo.org/funding-awards/fellowships/short-term-fellowships.html>

Related resource

[EMBO | IndiaBioscience Online Seminars](#)

4.2.2. Raman-Charpak Fellowship (IFCPAR/ CEFIPRA)

The Raman-Charpak Fellowship was launched with the aim of facilitating the **exchange of doctoral students between India and France**, in order to broaden the scope and depth of future engagements **in Science, Technology and Innovation**, and improving the doctoral skills of students by providing them an opportunity to carry out part of their research work in a university or institute based in the partner country.

Eligibility

- Applicants from India must be Indian citizens residing in India and have registered for a PhD in a recognized university or research institution in India.
- Maximum age limit is 30 years as on 1 April of the call year.
- Applicants once supported by CEFIPRA and students who have a permanent position in institutions/universities are not eligible.
- Pre-authorization or prior consent from the host institute or university is required in order to apply for a foreign fellowship program.

Support

- Fellowship support of €1500 per month for daily expenses, local travel, accommodation charges and Social Security charges
- One return airfare ticket in economy class
- Insurance coverage (travel & health) wherever required & Carte de Sejour (if any)
- Support for attending conference/seminar/workshop during stay (please see guidelines for details)

Duration

The fellowship is provided **for 2 to 6 months**.

Deadline

The application opens during **April/May** and **closes during June/July**.

Website

http://www.cefipra.org/Raman_Charpak.aspx

4.2.3. Indo-U.S. Fellowship for Women in STEMM (IUSSTF)

Jointly announced by the Department of Science and Technology (DST), Government of India and Indo-U.S. Science & Technology Forum (IUSSTF) for Women in STEMM (WISTEMM), the fellowship aims to promote research and capacity building for bright Indian women students and scientists in different frontline areas of **Science, Technology, Engineering, Mathematics and Medicine** (STEMM) by providing opportunities to gain exposure and access to world class research facilities in the U.S.A. This will help pave the way for the next generation of women scientists and technologists from India to interact with American peers, thus helping to build long-term R&D linkages and collaborations, and encourage, motivate and provide opportunities for outstanding women students to take up research paths.

The program has two modules:

4.2.3.1. Women Overseas Student Internship program

Eligibility

- Indian women applicants currently pursuing PhD degree in basic sciences, engineering or technology including agricultural and medical sciences on a full-time basis at any recognized academic institution/R&D institute/university in India
- Not eligible — Students currently enrolled in the first year of their PhD degree; students who have submitted their thesis or likely to submit their thesis within next three months from the last date of online submission
- Age limits: 21 to 35 years

Support

- Monthly stipend of \$2,500
- Air Fare up to \$2,500
- Health Insurance of up to \$500
- Contingency up to \$1,000

Duration

The fellowship is for a period of 3–6 months.

Website

<https://www.iusstf.org/program/indo-us-fellowship-for-women-in-stemm>

https://iusstf.org/assets/sitesfile/image/download_links/pdf/pdf_99556790.pdf

4.2.3.2. Women Overseas Fellowship program

Eligibility

- Indian women applicants having a PhD degree in basic sciences, engineering or technology including agricultural and medical sciences and holding a regular position at any recognized academic institution/ R&D institute/ university/ college in India
- Preference accorded to applicants having research collaborative projects with any institute or lab in the U.S.A (but not visited there)
- Not eligible — Candidates who have done their PhD or DSc from abroad; Candidates working on any kind of fellowships, or candidates already have overseas research exposure beyond the duration of three months in the last five years from the last date of submission
- Age limits: 27 to 45 years

Support

- Monthly stipend of \$3,000
- Air Fare up to \$2,500
- Health Insurance of up to \$1,000
- Contingency up to \$1,000
- Conference Allowances of up to \$1,200

Duration

The fellowship is for a period of 3–6 months.

Website

https://iusstf.org/assets/sitesfile/image/download_links/pdf/pdf_2047209085.pdf
<https://iusstf.org/program/indo-us-fellowship-for-women-in-stemm>

4.2.4. Travel Fellowship (The Company of Biologists)

The Company of Biologists' journals — Development, Journal of Cell Science, Journal of Experimental Biology and Disease Models & Mechanisms — offer **Travelling Fellowships** to graduate students and postdoctoral researchers wishing to make **collaborative visits** to other laboratories. There is no restriction on nationality.

Eligibility

Applicants should be working in the field of the journal to which they apply and plan to visit another laboratory. Each application will be judged on the excellence of the candidate, as well as the importance and innovative quality of the work to be done.

Support

Travel fellowship of up to £2,500. These are designed to offset the cost of travel, accommodation and other related expenses.

Deadline

Please refer the website link provided below.

Website

<https://www.biologists.com/travelling-fellowships/>

4.2.5. Travel Grant (Boehringer Ingelheim Fonds)

The Boehringer Ingelheim Fonds (BIF) awards travel grants for up to three months duration to MD and PhD students, as well as postdoctoral researchers from all over the world. The BIF supports applicants who conduct **basic biomedical research** wanting to pursue short-term research stays or attend practical courses relevant to their projects in Europe or overseas.

Eligibility

The travel grants are aimed at junior scientists. According to the level of experience, eligibility requirements are as follows: (see also [documents for application](#) and [FAQs](#)):

- For PhD and MD students as well as graduates: university entrance qualification must not have been obtained more than 11 years (i.e. 132 months) prior to the planned research visit
- For postdocs: university entrance qualification must not have been obtained more than 13 years (i.e. 156 months) prior to the planned research visit

Support

- BIF's travel grants will be provided as a **lump sum** to contribute to the expenses for **travel** to and from destination, **lodging** (e.g. student housing), and **course fees**.
- For doctoral students and postdoc applicants from countries with very low incomes, additional funds for living costs may be granted.

Duration

The total duration of the research stay should not exceed **three months**.

Deadline

Applications for travel grants are open throughout the year, but must reach the Boehringer Ingelheim Fonds (BIF) at the **latest six weeks prior**, but not earlier than six months before the proposed departure date.

Website

<https://www.bifonds.de/fellowships-grants/travel-grants.html>

4.2.6. Research Fellowship (The Helen Hay Whitney Foundation)

The Helen Hay Whitney Foundation grants financial support of sufficient duration to help further the careers of young men and women engaged in **biological or medical research**, towards an ultimate goal of increasing the number of imaginative, well-trained and dedicated medical scientists.

Eligibility

- Candidates who hold, or are in the final stages of obtaining a PhD, MD, or equivalent degree and are seeking to begin postdoctoral training in basic biomedical research
- Candidates who have no more than one year of postdoctoral research experience at the application deadline (as on stipulated date), and who have received a PhD (or DPhil or equivalent) degree no more than two years before the deadline, or an MD degree no more than three years before the deadline

Support

- Stipend: Year 1 - \$54,000; Year 2 - \$57,000; Year 3 - \$60,000
- Research Allowance — \$1,500
- Dependent Child Allowance — \$1,500
- Travel expense:
 - o provides funds for travel to the fellowship location at the time of activation of the fellowship for the Fellow and his or her family
 - o covers travel expenses incurred for the two-day Annual Fellows Meetings held in November

Duration

The Whitney Fellowship is for a period of **three years**.

Website

<http://hhwf.org/research-fellowship/>

4.2.7. Newton-Bhabha Fund PhD Placement Programme

The Newton-Bhabha Fund is supported by the UK and Indian governments, and was launched to promote long-term sustainable **science and innovation partnerships** between the two countries. **PhD scholars from India** and the UK will be supported by the Newton-Bhabha Fund to spend **a period of their study** in higher education institutions in the UK and India, respectively.

Eligibility

- **STEM and Life Sciences subjects** INSPIRE PhD scholars in the first year of Senior Research Fellowship (SRF)
- **Life Sciences** PhD scholars (other than INSPIRE Fellows) pursuing PhD in mid second or third year

Support

- Visa fee, economy class international airfares and overseas travel insurance
- In-country costs including accommodation and stipend
- Bench fees (if applied for) by the UK host university

Duration

The fund will help PhD scholars from India to spend a period of their study up to **two to four months** in UK higher education institutions.

Deadline

The applications are open **once a year**.

Website

<https://www.britishcouncil.in/programmes/higher-education/newton-fund/phd-placements>

4.2.8. Fulbright-Nehru Doctoral Research Fellowship (USIEF)

The Fulbright-Nehru Doctoral Research Fellowships are designed for **PhD students** to conduct research essential to their dissertations/thesis in **an institution in the U.S.**

Eligibility

- The applicant must fulfil all general prerequisites of Fulbright fellowships for Indian citizens.
- The applicant must be an Indian scholar who has **registered for a PhD at an Indian institution**, only in a **few select fields** which include agricultural sciences, neurosciences and public health.
- The expected PhD thesis submission date of the applicant should be at least three months after the Fulbright-Nehru grant end date.

Support

- The fellowships provide J-1 visa support, a monthly stipend, Accident and Sickness Program for Exchanges as per U.S. Government guidelines, round-trip economy class air travel, applicable allowances and modest affiliation fees, if any.
- Selected scholars will have opportunities to audit non-degree courses, conduct research and gain practical work experience in suitable settings in the U.S.
- The grant is not sufficient to support family members, and no allowances are provided for dependents.

Deadline

Applications are invited **once a year**.

Duration

The fellowship is for **six to nine months**.

Website

<http://www.usief.org.in/Fulbright-Nehru-Doctoral-Research-Fellowships.asp>

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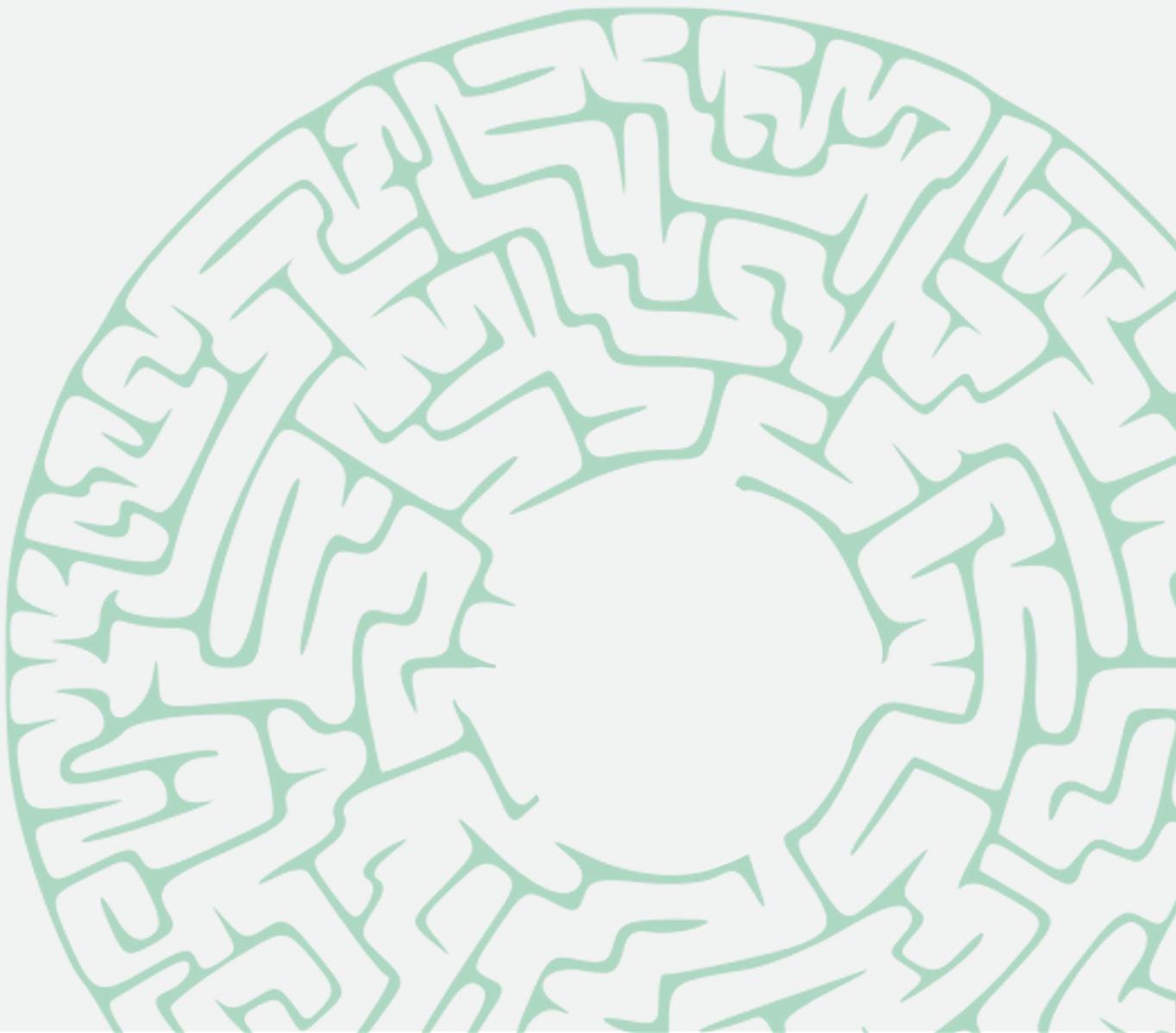
5

Skill Building Awards

“A learning curve is essential to growth.”

-Tammy Bjelland

There is a plethora of skills that PhD students and postdoctoral fellows need to inculcate apart from research or experimental skills - the list is extensive. In recent times, funding agencies have started providing monetary support for skill-building. In this section, you will find details of awards that support the skill-building activities of Indian PhD students and postdoctoral fellows working in the life sciences.



5.1. AWSAR Awards (DST)

“Augmenting Writing Skills for Articulating Research (AWSAR)” is an initiative that aims to disseminate Indian research stories among the masses in an interesting format. Under this initiative, PhD Scholars and Post-Doctoral Fellows (PDFs) in **Science and Technology** (S&T) streams would be encouraged to write at least one popular science article during the tenancy of their fellowship, and to participate in a national competition.

Eligibility

- Any Indian citizen pursuing PhD or PDF in any Science and Technology (S&T) stream
- Scholars enrolled in a PhD programme from Government approved Institutions for the last two years, or PDFs associated with any recognized institute
- Full-time and part-time PhD students
- Applicants with published paper(s) of their research work will be given preference
- Criteria for submitted article:
 - should indicate a complete research story in simple language to be understood by the general public
 - No complex figures, graphs, equations or formulae except self-explanatory infographics which may be formulated for effective communication
 - Original articles sent exclusively for nomination for AWSAR award (Not acceptable — Articles previously published elsewhere, or simultaneously sent for publication elsewhere)

Support

For PhD Scholars

- Selection of best entries of popular science stories and prizes.
The initial screening of the entry will be done by an expert panel. 100 entries will be selected. Each will be awarded with a cash prize of ₹10,000 along with a Certificate of Appreciation.
- Selection of top leading stories
The top three articles/stories will be selected from the leading stories. Further, they will be awarded with the cash prize of ₹1,00,000, 50,000, and 25,000 respectively.

For Postdoctoral Fellows

- Selection of best entries of popular science stories and prizes.
Twenty entries would be selected from articles submitted by PDFs relating to their line of research. Each will be awarded with a cash prize of ₹10,000 along with a Certificate of Appreciation.

- Selection of top leading stories

One outstanding article/story will be selected from the leading stories. Further the same will be awarded with a cash prize of ₹1 lakh.

All awards will be bestowed on 28 February at the National Science Day event every year. All awardees will also be given an opportunity to attend a Science Film Training Workshop organized by Vigyan Prasar.

Website

<https://www.awsar-dst.in/#award>

5.2. Research Management Fellowship (IA/IRMI)

This is a **combined mentored fellowship** and **institutional strengthening programme** for research institutions seeking to establish or expand their research office activities, and helps embed professional research management support within these institutions.

Eligibility

The Host institution must:

- support research that falls within the India Alliance's remit, which is to support biomedical research that is relevant to human and animal welfare
- be able to receive and administer [India Alliance funding](#)
- be registered with Indian Research Management Initiative (IRMI)
- nominate individuals to IRMI Research Management Fellowships
- commit to employing the Research Management Fellow for the full duration of the fellowship

Support

- ₹6,00,000 funding per annum towards salary support for the Research Management Fellow
- ₹1,00,000 funding towards a training budget for the RM Fellow, over the duration of the award
- Mentoring in research office processes for the Research Management Fellow, over a six-month period

Duration

The Research Management Fellowship is a full-time Fellowship for **three years**.

Website

<https://www.indiaalliance.org/india-research-management-initiative>

5.3. Science, Technology and Innovation Policy Fellowships Programme (DST)

This fellowship programme provides opportunity for scientists, technologists, engineers and social scientists to develop skills and **contribute to STI policy making process** at various stages in government, academia and industry.

Eligibility

- Senior Policy Fellow: PhD with 3 years of policy experience, Age Limit: 42 years
- Postdoctoral Policy Fellow: PhD, Age Limit: 40 years
- Young Policy Professional: Master's degree, Age Limit: 30 years

In all three tracks, age relaxation of 3 years will be given to candidates belonging to SC/ST/OBC/Physically Challenged & Women candidates.

Support

1. Senior Policy Fellow:

- o Consolidated fellowship of ₹98,000 per month
- o Up to ₹2,00,000 per year to cover research-related costs, travel and contingency (based on the Committee's decision)

2. Postdoctoral Policy Fellow:

- o Consolidated fellowship of ₹80,000 per month
- o Up to ₹1,50,000 per year to cover research-related costs, travel and contingency (based on the Committee's decision)

3. Young Policy Professional:

- o Consolidated fellowship of ₹44,000 per month
- o Up to ₹1,00,000 per year to cover research-related costs and contingency (based on the Committee's decision)

Duration

All three fellowship tracks are designed **for two years** with a possible extension of one more year.

Website

<https://dst.gov.in/news/call-application-dst-science-technology-and-innovation-policy-fellowships-programme-last-date>



Useful Resources

1. Fundamentals of Writing Effective Grant Proposals - <https://www.youtube.com/watch?v=Hi96LH7lW80>
2. Secrets to writing a winning grant - An article by Nature - <https://www.nature.com/articles/d41586-019-03914-5>
3. Compilation of travel grants - <https://drive.google.com/open?id=1nX-Tovt71K8UsTMYb1z-79ThCuZtlzt3Y>
4. IndiaBioscience website - <https://indiabioscience.org/grants>
5. NCBS funding database - <https://www.ncbs.res.in/rdo/sponsor-funding#tab-2>
6. ECR central - <https://ecrcentral.org/>
7. Funding Opportunities for Postdoctoral Scholars
 - a. https://research.fas.harvard.edu/postdoc_opportunities
 - b. <https://www.saveandtravel.in/postdoc/>

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