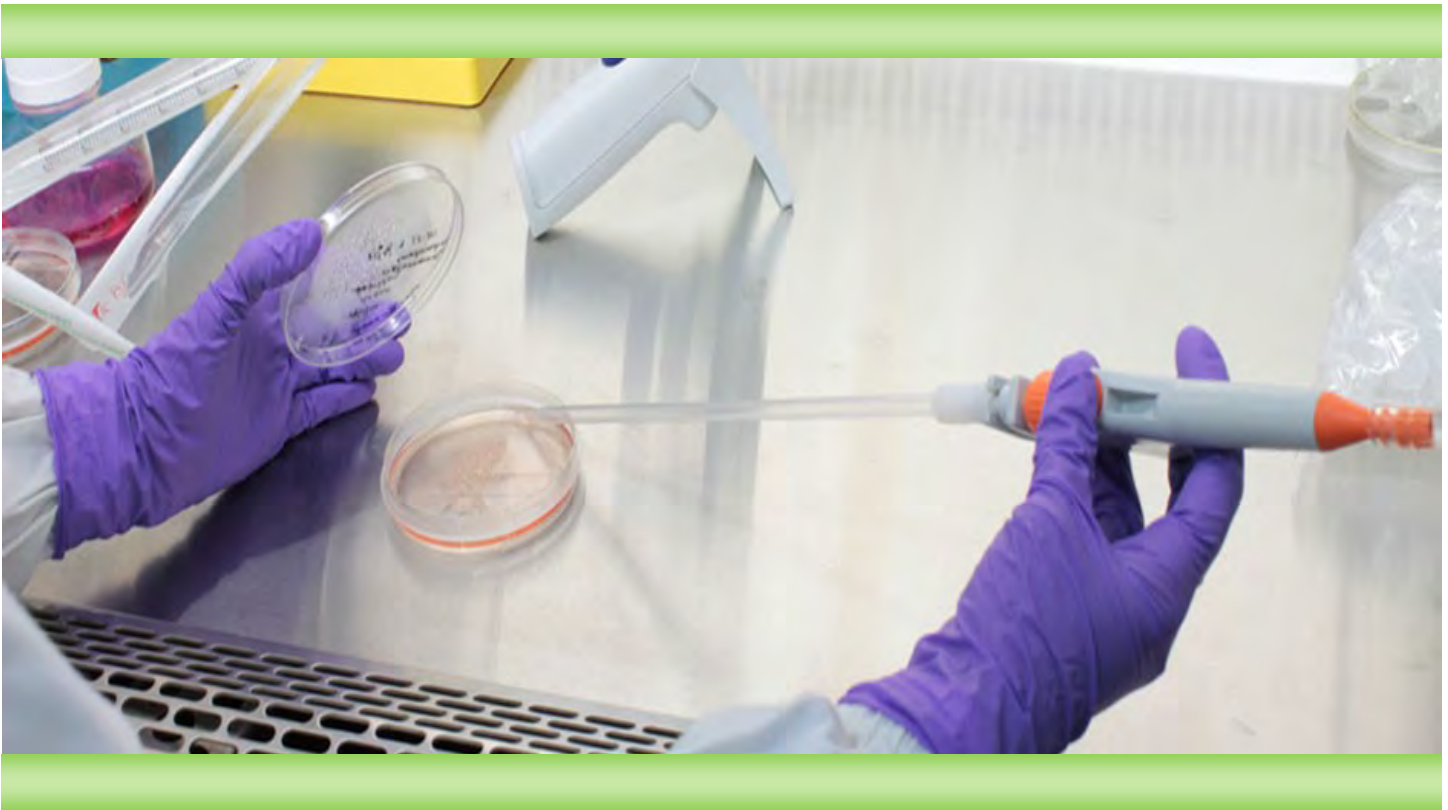


FUNDING HORIZONS

AUGUST 2016

IN THIS ISSUE

WELCOME NOTE.....	2	RDO SERVICES	6
FUNDING NEWS.....	3	POLICY MATTERS.....	7
AWARDED GRANTS.....	4	IMPORTANT ANNOUNCEMENTS.....	8
RDO PROCESSES.....	5	FORTHCOMING DEADLINES.....	9-19



WELCOME NOTE

Dear Colleague,

Welcome to another edition of Funding Horizons, a compilation of useful information relating to funding opportunities at the Bangalore Life Science Cluster campus. This newsletter includes information on forthcoming funding deadlines, institutional policies, recent funding successes and more.

We hope this will be useful for you in planning your funding applications.

With Best Wishes,
Savita Ayyar (on Behalf of Team RDO)



FUNDING NEWS

Special Theme-Based Call for Proposals under Organic Chemistry-EMR:

The Program Advisory Committee of Organic Chemistry, SERB, has initiated a special theme-based call for R & D proposals, in the following five themes:

- ◆ Health: Chemical Neuroscience, Type II Diabetes, Neglected diseases.
- ◆ Value Added Chemicals and Biomass Conversion.
- ◆ Materials for Energy Harvesting and Storage.
- ◆ Systems Chemistry and Sustainability.
- ◆ Controlling Chemical Reactivity.



The scheme aims to support proposals that are multi-disciplinary and have a multi-investigator approach. The proposal should have at least two collaborators- one with an organic chemistry background and the other having complementary research expertise in some other discipline. The proposals should be new, challenge existing hypothesis, and provide 'out of box' thinking on important problems that can promise high reward if the difficulties are circumvented. Proposals that address scientific issues which will result in 'incremental' knowledge will not be supported. The proposal should include strong organic chemistry component supported by experimental schemes/data.

SERB will provide necessary financial support to proposals that were found worthy through the peer review processes as approved by Board. The funding under this scheme is for a three year period. The nature of support includes equipment, manpower, consumables, manpower, travel and contingency apart from overheads.

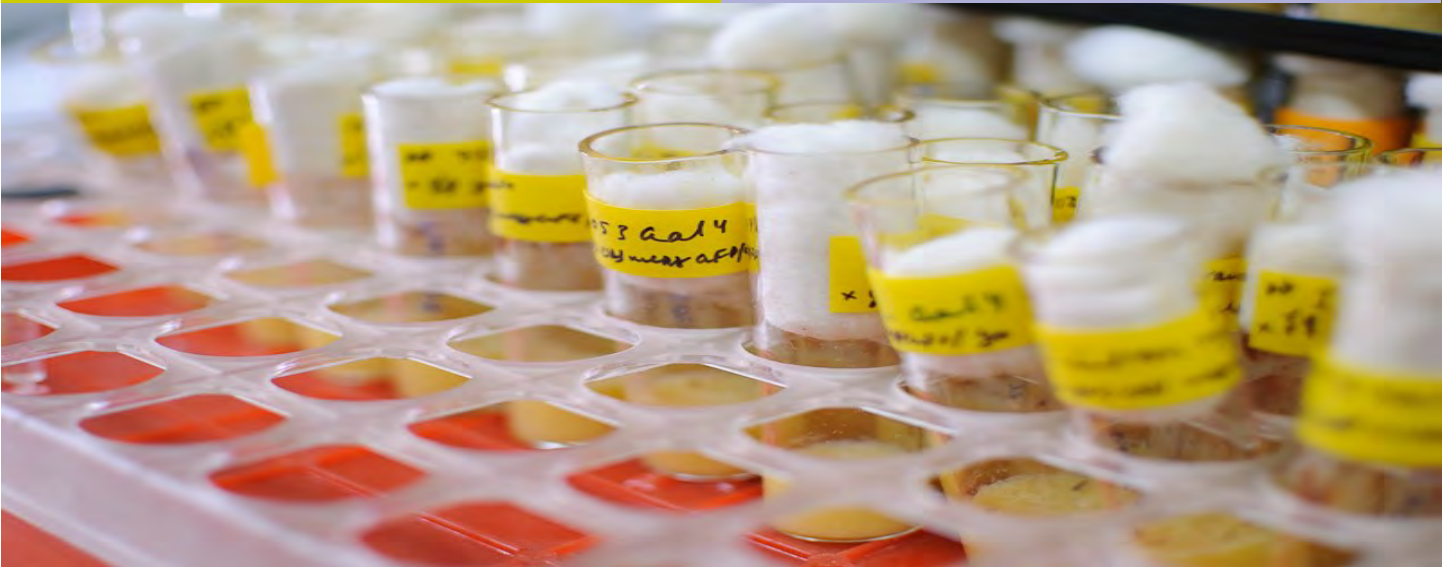
Details of the scheme can be accessed at SERB website:

<http://serbonline.in/SERB/SCHTMLView>

The deadline for submission of preliminary proposals is **31st October, 2016**.

AWARDED GRANTS

This section provides brief details of the recent funding successes from our campus. We wish all the investigators well for their proposed programmes of research. All correspondence on awarded grants should be directed to : rdopostaward@ncbs.res.in



Researcher: Dr. Radhika Venkatesan

Host Institution : National Centre for Biological Sciences (NCBS)

Project Title: Chemical ecology of plant-insect interactions: Regulation, recognition and variation across geographic gradients.

Funding Scheme: [Max Planck Gesellschaft \(MPG\) -DST Partner Groups Award](#)

Funds Awarded: € 60,000 (MPG), DST (awaited)

Researcher: Dr. Tina Mukherjee

Host Institution : Institute for Stem Cell and Regenerative medicine (inStem)

Project Title: Investigate the role of ubiquitination & autophagy pathways in hematopoietic progenitor cell development and maintenance in *Drosophila*

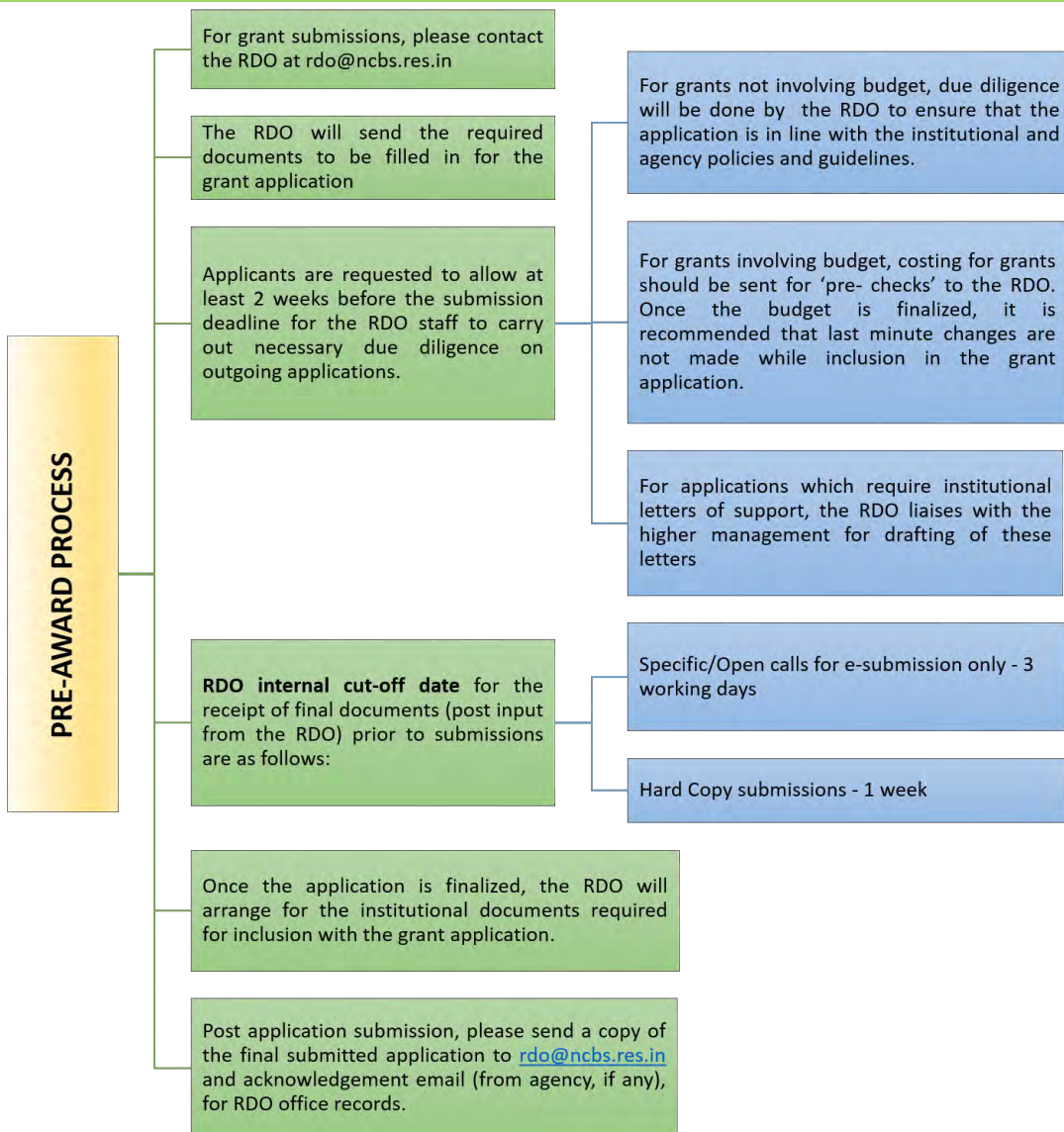
Funding Scheme: [SERB–Early Career Research Award](#)

Funds Awarded: Rs. 35.76 Lakhs





RDO PROCESSES





RDO SERVICES





POLICY MATTERS

Pre-screening for SERB N-PDF postdoctoral Fellowships

Call for SERB N-PDF postdoctoral fellowships is currently open with deadline on Oct 31st, 2016. As per campus norms, applications from postdoctoral colleagues to these schemes to be hosted at NCBS or inStem, require MANDATORY pre-screening by the Academic office.

The Academic office will be issuing a call for expressions of interest to this scheme by early September. The internal deadline for receipt of final list of pre-screened applicants by the RDO is 30th, Sep 2016. Candidates are advised to follow the procedure for pre-screening as detailed in the call or at the following link:

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



IMPORTANT ANNOUNCEMENTS

Funding Workshop for Post-doctoral fellows

The RDO in conjunction with the Academic Office is organizing a funding workshop for postdoctoral researchers on the campus. The workshop will provide an overview of available postdoctoral funding opportunities and details of the internal processes followed by the Academic office and the RDO to streamline and facilitate grant submissions and management.

Details of the workshop are as follows:

Date: 8th September, 2016 (Thursday)

Venue: Malgova auditorium

Time: 11:00 am to 1:00 pm

The workshop will broadly cover the following areas:

1. Postdoctoral Funding opportunities

2. Grant submissions

Pre-screening by the Academic office
Institutional endorsements/Letter of support for travel grants (Academic Office)
The RDO's role in facilitating submission of postdoctoral grant applications

3. Grantsmanship

Presentation by a faculty member on the art of grantsmanship and what it takes to make a successful application.

4. Grants management

Processes followed at the RDO to facilitate:
Activation of awarded grants
Annual reporting to funding agencies

5. Infosys Travel Awards: application submission, internal review, reimbursement and reporting aspects

6. Alternate careers in science

The final agenda will be available closer to the date of the event.

This is an open workshop and all postdoctoral colleagues are welcome to attend the event.



FORTHCOMING DEADLINES

(<https://www.ncbs.res.in/rdo/sponsor-deadlines>)

August 2016-November 2016

All queries on new grant submissions should be directed to rdo@ncbs.res.in

Applicants are requested to allow at least 2 weeks before a submission deadline for RDO staff to carry out necessary due diligence on outgoing applications.

Applicants are requested to ensure that all regulatory approvals required for sponsored research are in place. Queries in this regard should be directed to

harleenk@ncbs.res.in/ambilid@ncbs.res.in

Research grants/Fellowships

Return home fellowships (International Brain Research Organization, IBRO)

Remit: To support researchers trained overseas in the field of neurosciences who wish to return to their country of origin or to a less developed country for personal or cultural reasons.

Applicant eligibility: Postdoctoral fellows who have finished research training in neuroscience

Budget: Up to 20,000 Euros

Deadline: 1st Sept, 2016

Weblink: <http://ibro.info/professional-development/funding-programmes/return-home-fellowships/>

Early Career Research Award (SERB)

Remit: To support young researchers in their early career for pursuing innovative research in frontier areas of science and engineering.

Applicant eligibility: Indian citizen, PhD in Science or Engineering or M.D or M.S degree in any area of medicine, within first two years of their regular service in a recognised R&D institution.

Budget: Up to Rs. 50 lakhs

Deadline: 30th Sept, 2016

Weblink: <http://www.serb.gov.in/ecr.php>

International Collaboration

Partnership for International Research & Education (PIRE):

Remit: To support international partnership/collaboration with researchers in US in all areas of Science and Engineering.

Applicant eligibility: Individual scientists and research groups from academic institutions, research laboratories and non-profit R&D institutions, which are eligible for normal DST/SERB grants.

Budget: Rs. 25 crores over 5 years for supporting 3-5 projects within the country. The grant supports manpower, consumables, travel, contingency and institutional overheads.

Duration: 5 years.

Deadline: Preliminary application deadline: 14th Sep, 2016, Full proposal deadline: 24th April, 2017.

Weblink: <http://www.serb.gov.in/pdfs/PIRE-Web%20Content.pdf>

(Europe) Indo-European Innovation Joint Call for proposals in the field of Bioeconomy (INNO INDIGO Partnership Programme)

Remit: To create long-term collaboration between innovation stakeholders based in India and Europe and to pave the way for potential joint market exploitation in the field of bioeconomy.

Applicant eligibility: Public and/or private entities are eligible according to their respective national/regional regulations. At least three partners of which two partners must be from two different European countries participating in the call, and one from India.

Budget: For projects supported by DBT upto Rs. 3 crores/project; for projects supported by DST upto Rs. 1.14 crores/project.

Duration: 2-5 years (DBT), 3 years (DST)

Agency deadline: 31st Aug, 2016

Weblink: https://indigoprojects.eu/funding/indigo-calls/innovation_call_2016



FORTHCOMING DEADLINES

<https://www.ncbs.res.in/rdo/sponsor-deadlines>

August 2016-November 2016

All queries on new grant submissions should be directed to rdo@ncbs.res.in

Applicants are requested to allow at least 2 weeks before a submission deadline for RDO staff to carry out necessary due diligence on outgoing applications.

Applicants are requested to ensure that all regulatory approvals required for sponsored research are in place. Queries in this regard should be directed to

harleenk@ncbs.res.in/ambilid@ncbs.res.in



FORTHCOMING DEADLINES

(<https://www.ncbs.res.in/rdo/sponsor-deadlines>)

August 2016-November 2016

All queries on new grant submissions should be directed to rdo@ncbs.res.in

Applicants are requested to allow at least 2 weeks before a submission deadline for RDO staff to carry out necessary due diligence on outgoing applications.

Applicants are requested to ensure that all regulatory approvals required for sponsored research are in place. Queries in this regard should be directed to

harleenk@ncbs.res.in/ambilid@ncbs.res.in

International Collaboration

Indo-Australian Fund (IABF) for S&T Cooperation in Biotechnology

Remit: To support bilateral collaboration research projects between scientists in Australia and India across a range of priority areas including disease control and medical technologies.

Applicant eligibility: Applicant should be from Indian education/ not-for-profit research organization. At least one Australian partner. Involvement by industry or other end-user partners is encouraged.

Budget: Funds international travel, living expenses, salaries, consumables, special equipment and end-user expenses.

Duration: Up to 3 years

Deadline: 19th Oct, 2016

Weblink: <http://www.dbtindia.nic.in/iacbgf-fellowships2016-17/>

International Exchange

(US) Indo-US R &D Joint Networked Center (IUSSTF)

Remit: To enable Indian and American scientists from academia and laboratories to carry out joint research.

Applicant eligibility: Minimum of two Indian and two American separate institutional partners (2+2 partnership mode)

Budget : Unit exchange international and domestic travel support by economy class and shortest route. Local hospitality and per diem for visiting scientists with stays up to 2 weeks or up to 6 weeks.

Duration: 2 Years.

Agency deadline: 31st Aug, 2016

Weblink: <http://www.iusstf.org/story/53-19-Indo-US-R--amp-D-Joint-Networked-Center.html>

MIF Research Fellowship (Matsumae International Foundation)

Remit: To allow researchers to undertake short term research projects in an institute of choice in Japan

Budget: Stipend, Travel, insurance, relocation and living expenses

Applicant eligibility: PhD, permanent appointment in a research institute, age less than 49 years

Duration: 3-6 months

Agency deadline: 31st Aug, 2016

Weblink: www.mif-japan.org/fellowship/announcement/?hl=en

International Exchange

(Japan) India-Japan cooperative science programme (IJCSP)

Remit: To promote bilateral scientific collaboration between Indian and Japanese scientists by submitting proposals for joint projects or joint workshops.

Applicant eligibility: The (PI) and other investigators in India should be scientists/faculty members working in regular capacity in UGC recognized Universities/ Deemed Universities/ Academic Institutes and National Research & Development Laboratories/ Institutes. Must include at least one Indian and one Japanese Principal Investigator.

Budget: Kind of support includes cost of International airfare to and from the designated research location, visa fee, air port taxes, overseas medical insurance premium for the approved visit duration and airport transfers in India. For joint workshops/ seminars to be organized in India, local travel cost of selected Indian participants and organizing expenses may also be considered

Agency deadline: 8th Sept, 2016

Weblink: http://www.dst.gov.in/sites/default/files/DST-JSPS%20Call%20for%20Proposal%20-%202016_0.pdf

International exchange scheme- Standard programme (The Royal Society)

Remit: To facilitate new collaborations between scientists in the UK and overseas.

Budget: Supports travel, subsistence and research expenses. £3000 upto 3 months, £6000 for 1 year and £12000 for 2 years.

Applicant eligibility: PhD, permanent appointment in a research institute, collaboration should be based on a single project lead by the applicant (UK based scientist) and co-applicant (overseas based scientist).

Duration: Either up to 3 months, 1 year or 2 years.

Agency deadline: 18th Oct, 2016

Weblink: <https://royalsociety.org/~media/grants/schemes/>



FORTHCOMING DEADLINES

(<https://www.ncbs.res.in/rdo/sponsor-deadlines>)

August 2016-November 2016

All queries on new grant submissions should be directed to rdo@ncbs.res.in

Applicants are requested to allow at least 2 weeks before a submission deadline for RDO staff to carry out necessary due diligence on outgoing applications.

Applicants are requested to ensure that all regulatory approvals required for sponsored research are in place. Queries in this regard should be directed to

harleenk@ncbs.res.in/ambildid@ncbs.res.in



FORTHCOMING DEADLINES

Details for various fellowship schemes for funding postdoctoral researchers (and deadlines information) can be accessed at: <https://www.ncbs.res.in/rdo/sponsor-researcher>. As per campus norms, applications from postdoctoral colleagues to externally funded competitive fellowships (SERB-N-PDF, IYBA, WT/IA-ECF, EMBO, HFSP), to be hosted at NCBS or inStem, require MANDATORY pre-screening by the Academic office. The procedure for pre-screening is detailed at the following link: <https://www.ncbs.res.in/academic/postdoc-extramural>.

Once the application is approved by the Academic Office, the grant submission to the agency is coordinated via the RDO.

Post-Doctoral Fellowships

Marie Skłodowska-Curie Individual Fellowships-Global Fellowships

Remit: Enables European researchers to be trained & acquire new knowledge in a high-level research organisation in a Third Country.

Applicant eligibility: PhD from EU or Associated Countries.

Budget: salary, mobility and research costs

Duration: 2-3 years

Deadline: 14th Sept, 2016.

Weblink: <https://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-if-2016.html>

Banting Postdoctoral fellowship (CIHR, NSERC, SSHRC)

Remit: Provides funding to pursue postdoctoral research.

Applicant eligibility: PhD (<4 years post PhD) from Canadian or foreign university. Canadian nationals may apply to a host institution outside Canada, foreign nationals or Canadian nationals who obtained their PhD from foreign university may only hold the fellowship at a Canadian institution

Budget: \$70,000 per year

Duration: 2 years (non-renewable)

Deadline: 21st Sept, 2016.

Weblink: http://banting.fellowships-bourses.gc.ca/en/app-dem_overview-apercu.html

Indo-Australian career boosting Gold fellowships 2016-2017

Remit: To support collaborative research project at a leading science institute or university in Australia on a range of priority areas including agricultural biotechnology and medical biotechnology.

Applicant eligibility: Indian citizen, employed on a full time basis. Need not be permanent employee. Phd < 5 yrs, Age limit < 35 years.

Budget: Monthly associateship of Rs. 1, 50,000, preparatory allowance of Rs. 20,000 and cost of air passage in economy class.

Deadline: 31st Oct, 2016.

Weblink: <http://www.dbtindia.nic.in/wp-content/uploads/advertisement24082016GoldFellowship.pdf>

Post-Doctoral Fellowships

SERB-National Post Doctoral Fellowship (N-PDF)

Remit: Provides support to pursue postdoctoral research in frontier areas of science and engineering.

Applicant eligibility: Indian citizen, PhD (<2 years post PhD). Applicants who have submitted their PhD/M.D/M.S thesis and are awaiting award of the degree are also eligible to apply. Age limit < 35 years

Budget: Rs. 55,000/- per month (consolidated), research grant: Rs. 2,00,000/- per annum, Overheads: Rs. 1,00,000/- per annum.

Duration: 2 years (can be extended to 1 more year)

Deadline: 31st Oct, 2016

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

Travel

Travel grants (International Brain Research Organization, IBRO)

Remit: Provides support to high-quality neuroscientists from diverse geographic and scientific areas (US/Canada Region excluded), who wish to participate in international neuroscience meetings.

Applicant eligibility: Should not have obtained funding from this program within the past three years.

Budget: Up to 1,500 euros

Deadline: 1st Sept, 2016

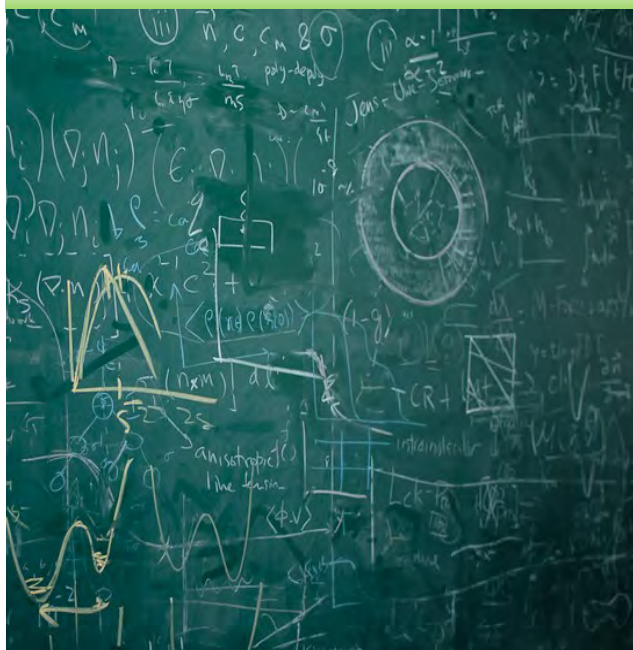
Weblink: <http://ibro.info/professional-development/funding-programmes/travel-grants/>



FORTHCOMING DEADLINES

Details for various fellowship schemes for funding postdoctoral researchers (and deadlines information) can be accessed at: <https://www.ncbs.res.in/rdo/sponsor-researcher>. As per campus norms, applications from postdoctoral colleagues to externally funded competitive fellowships (SERB-N-PDF, IYBA, WT/IA-ECF, EMBO, HFSP), to be hosted at NCBS or inStem, require MANDATORY pre-screening by the Academic office. The procedure for pre-screening is detailed at the following link: <https://www.ncbs.res.in/academic/postdoc-extramural>.

Once the application is approved by the Academic Office, the grant submission to the agency is coordinated via the RDO.



FORTHCOMING DEADLINES

(<https://www.ncbs.res.in/rdo/sponsor-deadlines>)

August 2016-November 2016

All queries on new grant submissions should be directed to rdo@ncbs.res.in

Applicants are requested to allow at least 2 weeks before a submission deadline for RDO staff to carry out necessary due diligence on outgoing applications.

Applicants are requested to ensure that all regulatory approvals required for sponsored research are in place. Queries in this regard should be directed to:

harleenk@ncbs.res.in/ambilid@ncbs.res.in

Travel

DAAD Research Stays for University Academics and Scientists (Forschungsaufenthalte)

Remit: To carry out a research project at a state (public) or state recognized higher education institution or non-university research institute in Germany.

Applicant eligibility: University teachers, established academics and scientists who have usually completed a doctoral degree and work at a university or research institute in their home country.

Budget: 2000-2150 euros

Deadline: 15th Oct, 2016

Duration: 1-3 months

Weblink: <https://www.daad.de/deutschland/stipendium/datenbank/en/21148-scholarship-database/?status=2&origin=4&subjectGrps=&daad=1&q=research%20stays&page=1&detail=50015456>

Organizing Meetings/Workshops

Indo-US Bilateral Workshops/ Symposia/ Conferences (IUSSTF)

Remit: To support substantive interactions between Indian and American scientists and researchers from academia, laboratories and industry with the explicit aim to develop sustained linkages.

Applicant eligibility: Qualified scientist from all science disciplines working at Indian and American institutions.

Budget: Travel, visa fees, accommodation, events costs, other associated costs

Agency Deadline: 31st Aug, 2016

Weblink: <http://www.iusstf.org/story/53-17-Bilateral-Workshop--Symposium--Conference.html>

Organizing Meetings/Workshops

Scientific Meetings grant (Company of Biologists)

Remit: To fund the organisation of meetings, workshops and conferences within the fields of the company's journals.

Applicant eligibility: Organiser must have a PhD. No nationality or geographic restrictions, preference to events with feasible diversity in speakers in terms of geography, gender and age.

Budget: Funds for organizing meetings, support of young scientists and plenary or keynote speakers attending meetings.

Agency Deadline: 14th Sep, 2016

Weblink: <http://www.biologists.com/grants/>

CEFIPRA Seminars/Workshops/Training Schools

Remit: To fund seminars/workshops in topics of current relevance and interest to both India and France in the areas of Science & Technology.

Applicant eligibility: Seminar proposal must be jointly submitted by a French and an Indian coordinator, Should be held either in India or in France, Can have maximum 25-30 participants from the host country and 10-15 participants from the other country.

Budget: Funds for domestic and international travel and logistics, arrangements relevant to the event. Upto ~Rs. 20 lakhs.

Agency Deadline: Rolling scheme

Weblink: <http://www.cefipra.org/section.aspx?catid=881&langid=1>



FORTHCOMING DEADLINES

(<https://www.ncbs.res.in/rdo/sponsor-deadlines>)

August 2016-November 2016

All queries on new grant submissions should be directed to rdo@ncbs.res.in

Applicants are requested to allow at least 2 weeks before a submission deadline for RDO staff to carry out necessary due diligence on outgoing applications.

Applicants are requested to ensure that all regulatory approvals required for sponsored research are in place. Queries in this regard should be directed to:

harleenk@ncbs.res.in/ambilid@ncbs.res.in



FORTHCOMING DEADLINES

(<https://www.ncbs.res.in/rdo/sponsor-deadlines>)

August 2016-November 2016

All queries on new grant submissions should be directed to rdo@ncbs.res.in

Applicants are requested to allow at least 2 weeks before a submission deadline for RDO staff to carry out necessary due diligence on outgoing applications.

Applicants are requested to ensure that all regulatory approvals required for sponsored research are in place. Queries in this regard should be directed to:

harleenk@ncbs.res.in/ambilid@ncbs.res.in

Rolling schemes

Explorer Awards-Simons Foundation Autism Research Initiative (SFARI)

Remit: To improve the understanding, diagnosis and treatment of autism spectrum disorders (ASD) by funding innovative research of the highest quality and relevance.

Applicant eligibility: All applicants and key collaborators must hold a Ph.D., M.D. or equivalent degree and have a faculty position or the equivalent at a college, university, medical school or other research facility. There are no citizenship or country requirements.

Budget: Upto \$70,000

Duration: 1 year

Weblink: <https://sfari.org/funding/grants/explorer-awards-rfa>

Hamied Visiting Fellowship (Cambridge-India)

Remit: To support faculty exchange in order to strengthen existing collaborations between India and Cambridge

Applicant eligibility: Researchers at Indian universities with an existing academic relationship with colleagues at the University of Cambridge

Budget: Travel, transfers and accommodation.

Duration: 1-2 weeks

Weblink: <http://www.cambridge-india.org/funding-opportunities/hamied-visiting-fellowship>

J C Bose national Fellowships (SERB)

Remit: To recognize active scientists and engineers for their outstanding performance and contributions.

Applicant eligibility: Indian Nationals residing in India, Age limit- 68 years. Needs to be nominated by the institute.

Budget: Salary top-up of Rs. 25,000 per month plus research grant of Rs. 10.00 lakh.

Duration: 5 years

Weblink: <http://serb.gov.in/pdfs/guideline/jcbose-guideline.pdf>

Rolling schemes

Ramanujan Fellowship (SERB)

Remit: To support scientists from all over the world, who wish to return to India to take up scientific research positions.

Applicant eligibility: PhD/MD with excellent proven track-record. Age less than 55 years.

Budget: Fellowship support of Rs.85,000/-per month and research grant of 7 Lakhs per annum

Duration: 5 years

Weblink: <http://serb.gov.in/pdfs/guideline/ramanujan-guideline.pdf>

Project grants (DBT)

Remit: To support Research and Development projects in biotechnology and life sciences

Applicant eligibility: Ph D, Regular position in Indian research institutes/universities

Budget: upto 1 crore

Duration: 3-5 years

Comments: Submission through online web portal of DBT

Weblink: <http://dbtepromis.nic.in/Login.aspx>

High Risk High Award (SERB)

Remit: To support proposals that are conceptually new and risky, and if successful, expected to have a paradigm shifting influence on science and technology.

Applicant eligibility: PhD, Indian nationals holding a regular academic appointment in India

Budget: not defined

Duration: 3-5 years

Comments: Call is now open. Submission through online web portal of SERB

Weblink: <http://www.serb.gov.in/hrhr.php>



FORTHCOMING DEADLINES

(<https://www.ncbs.res.in/rdo/sponsor-deadlines>)

August 2016-November 2016

All queries on new grant submissions should be directed to rdo@ncbs.res.in

Applicants are requested to allow at least 2 weeks before a submission deadline for RDO staff to carry out necessary due diligence on outgoing applications.

Applicants are requested to ensure that all regulatory approvals required for sponsored research are in place. Queries in this regard should be directed to:

harleenk@ncbs.res.in/ambilid@ncbs.res.in

FORTHCOMING DEADLINES

(<https://www.ncbs.res.in/rdo/sponsor-deadlines>)

August 2016-November 2016

All queries on new grant submissions should be directed to rdo@ncbs.res.in

Applicants are requested to allow at least 2 weeks before a submission deadline for RDO staff to carry out necessary due diligence on outgoing applications.

Applicants are requested to ensure that all regulatory approvals required for sponsored research are in place. Queries in this regard should be directed to:

harleenk@ncbs.res.in/ambilid@ncbs.res.in

Rolling Schemes

Industry Relevant R&D (SERB)

Remit: To utilize the expertise available in academic institutions and national laboratories to solve industry specific problems for the larger benefit of society.

Applicant eligibility: Academic partners include Indian nationals holding a regular academic appointment in India. All industries (including MSME & industrial R&D Centres) are eligible.

Budget: SERB will provide funds up to Rs.50 lakhs for supporting research costs to the academic partner. The industry partner is expected to share up to 50% of the total costs of the project.

Duration: 3-5 years

Weblink: <http://www.serb.gov.in/irrd.php>

RESEARCH DEVELOPMENT OFFICE

National Centre for Biological Sciences

GKVK Campus, Bellary Road, Bangalore-560065

Image Credits: NCBS Communications Office, Wikimedia Commons
For comments, suggestions and queries on the newsletter, please contact Savita Ayyar.

Copyright © 2016, National Centre for Biological Sciences.

All rights reserved.