FUNDING HORIZONS

FEBRUARY 2017



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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, 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)



VAJRA (Visiting Advanced Joint Research) Faculty scheme

The Department of Science and Technology (DST) has recently launched VAJRA (Visiting Advanced Joint Research), a new scheme to enable overseas scientists to work as adjunct/visiting faculty for a specific period of time at Indian Public funded academic and research institutions. The Science and Engineering Research Board (SERB), a Statutory body of the Department will implement the scheme.

The VAJRA scheme is open to Non-resident Indians (NRI) and Persons of Indian Origin (PIO) / Overseas Citizen of India (OCI).

VAJRA Faculty members will carry out research in close coordination with researchers at the Indian host institution and will work for a minimum of 1 month and a maximum of 3 months a year at an institution in India. This position will initially be offered for a period of 1 year, and can be renewed every year.

VAJRA Faculty members will be provided lump-sum amounts of USD 15000 and USD 10000 in the first and subsequent months, respectively, to cover their travel and honorarium. No separate support is provided for accommodation, medical / personal insurance etc. which may be covered by the host institute.

Applications can be submitted at any time during the year and are only received online, at www.serbonline.in

Details of the award can be accessed at: http://www.vajra-india.in/

Please feel free to contact the RDO at rdo@ncbs.res.in for any queries.

PROCESS MATTERS



Pre-screening for SERB- National Postdoctoral Fellowships (N-PDF)

The call for applications to the SERB N-PDF scheme is currently open with a deadline of **April 30th**, **2017**. As per campus norms, applications from postdoctoral colleagues to this scheme to be hosted at NCBS or inStem, require pre-screening by the Academic office.

The Academic office has issued a call for applications for prescreening to this scheme. Expressions of interest from postdoctoral colleagues should be submitted to the Academic office in time for internal deadline of **March 22**nd, **2017**. 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.

All queries regarding the pre-screening process should be directed to the Academic office (acadoffice@ncbs.res.in)

Following the pre-screening, submissions of applications to SERB will be coordinated and routed via the RDO.



AWARDED GRANTS

Researcher: Ms. Cheyenne Tait,

University of Notre Dame, USA.

Host: Dr. Shannon Olsson's Laboratory,

National Centre for Biological Sciences

Funding Scheme: IUSSTF Graduate

Research Opportunities Worldwide (GROW

-India) program for 6 months -internship

Researcher: Dr. Raghu Padinjat

Host Institution: National Centre for

Biological Sciences (NCBS)

Project Title: Genome Engineering using

CRISPR to enable discovery in lipid signaling

Funding Scheme: DBT Project Grant

Funds Awarded: Rs. 143 lakhs

CRISPR/Cas-9 technology

Project Summary: The study proposes to use

develop

comprehensive genetic toolkit that will enable

elucidation of the role of phosphoinsoitides (PI)

in the regulation of metazoan biology. The

specific resources generated from the study are

proposed to be made available to be freely

distributed to the scientists worldwide.



Research grants/Fellowships

International Climate Protection Fellowships (Alexander von Humboldt Foundation)

Remit: To support prospective leaders in academia and industry to implement a research-based proposal in the field of climate protection or climate-related resource conservation in Germany.

Applicant eligibility: First university degree (Bachelor's or equivalent), completed less than 12 years previously. Extensive work experience (at least 48 months at the time of application) or a doctorate in the field of climate protection or climate-related resource conservation.

Budget: a monthly fellowship of between €2,150 and €2,650. Additional financial support for accompanying family members, travel expenses or a German language course may also be provided.

Duration: 1 year

Deadline: 1st March, 2017

Weblink: https://www.humboldt-foundation.de/web/icf.html

Contract Research Scheme, CRS (BIRAC)

Remit: To support academic institutes to take forward their research leads through validation and translation by industry.

Eligibility: Academia has to be the primary applicant with one or more partners of which at least one is

an industry.

Deadline: 15th March, 2017

Weblink: http://www.birac.nic.in/cfp_view.php?id=50



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

February 2017- May 2017

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Research grants/Fellowships

Program Grants (Human Frontier in Science Program, HFSP)

Remit: To support innovative basic research into fundamental biological problems with emphasis placed on novel and interdisciplinary approaches that involve scientific exchanges across national and disciplinary boundaries.

Applicant Eligibility: Independent PI at any stage of their career. The research teams (consisting of 2-4 team members) must be international. The principal applicant must be from one of the eligible countries (India is eligible).

Budget: Up to \$450,000 per grant per year

Duration: 3 years

Deadline: Submission of letter of intent by 30th March, 2017.

Online registration deadline is 20th March, 2017.

Weblink: http://www.hfsp.org/funding/research-grants

Young Investigators' Grants (Human Frontier in Science Program, HFSP)

Remit: To support young scientists in their early career to establish novel collaborations with scientists from different disciplines (e.g. from chemistry, physics, computer science, engineering) to focus on problems in the life sciences.

Applicant Eligibility: All members of the team must be within 5 years of obtaining an independent position and must have obtained their first doctoral degree not longer than 10 years before the deadline for submission of the letter of intent.

Budget: Up to \$450,000 per grant per year

Duration: 3 years

Deadline: Submission of letter of intent by 30th March, 2017.

Online registration deadline is 20th March, 2017.

Weblink: http://www.hfsp.org/funding/research-grants

Young investigators (EMBO)

Remit: To provide financial and practical support to young scientists in the life sciences in the early stages of setting up an independent laboratory to help them develop skills and connections that will help them during this career stage.

Applicant Eligibility: 1-4 years of experience as an independent group leader. Carry out research in the life sciences in an EMBC Member State, an EMBC Associate Member State (India is now an EMBC Associate Member State) or a cooperating partner country (currently Taiwan). Age limit < 40 years.

Duration: 3 years

Deadline: 1st April, 2017

Weblink: http://www.embo.org/funding-awards/young-

investigators

Research grants/Fellowships

Swarnajayanthi Fellowships (DST)

Remit: To support young scientists to pursue research in frontier areas of science and technology.

Applicant Eligibility: Phd, Indian national having a regular position in a recognized Indian academic/ research organization. Scientists with outstanding contributions in the frontier area of science and engineering. Age limit < 40 years.

Budget: Fellowship of Rs. 25,000/- and research expenses

Duration: 5 years

Deadline: 15th April, 2017

Weblink: http://www.dst.gov.in/sites/default/files/

ADVERTISEMENT-SWARNAJAYANTI-FELLOWSHIPS-2016-

17.pdf

Small Grants program (Ravi Sankaran Foundation)

Remit: To support conservation research for unconventional or risky projects within India that has the potential to lead to a longer-term conservation science and/or Implementation project.

Applicant Eligibility: Indian national with interest in wildlife ecology and conservation. Age limit < 30 years.

Budget: stipend and project expenses (upto Rs 2 lakh per year in total)

Duration: 1 year

Deadline: 15th April, 2017

Weblink: http://www.ravisankaran.org/the-fellowship/

fellowships/

Margdarshi Fellowships (Wellcome Trust/DBT India Alliance)

Remit: Biomedical Sciences

Applicant Eligibility: Basic or clinician researcher with more than 10 years experience running an independent laboratory. No age or nationality restrictions but work needs to be carried out in India.

Budget: Salary, research expenses, travel, institutional, limit

of Rs 15 crores

Duration: 60 months **Deadline:** 18th April, 2017

Weblink: http://www.wellcomedbt.org/fellowshiptype/

margdarshi-fellowships



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

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Research grants/Fellowships

International Research in Infectious Diseases, (NIH)

Remit: To support applications from institutions in eligible foreign countries that propose research related to infectious diseases that are of interest to that country.

Eligibility: India is eligible.

Budget: Funds up to \$125,000 per year in direct costs and a

maximum of \$625,000 direct costs.

Duration: 5 years

Deadline: LOI deadline: 22th April, 2017; Application Due

date: 22nd May , 2017

Weblink: https://grants.nih.gov/grants/guide/pa-files/PAR-17-

142.html

Research Grants-Collaborative Research Programme, CRP (ICGEB)

Remit: To support collaborative research between ICGEB Member States and with the ICGEB Component laboratories, promoting training of young scientists and facilitating the creation of appropriate research facilities.

Eligibility: Applicant should hold positions at research institutes in any of the ICGEB Member States (India is eligible). **Budget:** Funds up to Euro 25,000 per year. Funds

consumables, equipment, travel and training costs

Duration: 36 months **Deadline:** 30th April, 2017

Weblink: http://www.icgeb.org/tl_files/Grants/CRP%

20Guidelines 2017.pdf

International Collaboration

In-silico trials for developing and assessing biomedical products (DBT / EU under HORIZON 2020)

Remit: To support proposals that will develop innovative scientific and technological in-silico trials solutions for product design, development and assessment of drugs and other biomedical products.

Applicant eligibility: At least three legal entities. Each of the three must be established in a different EU Member State or Horizon 2020 associated country (India eligible in this call). All three legal entities must be independent of each other.

Budget: 19,000,000 € **Duration:** 3 years

Deadline: 14th March, 2017

Weblink: http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/sc1-pm-16-2017.html

Personalised computer models and in-silico systems for well-being (DBT / EU under HORIZON 2020)

Remit: To support proposals that aim to develop new integrative computer-models and simulation systems of acceptable validity, with the potential to being reused, built on open service platforms and with application in well-being, health and disease.

Applicant eligibility: Participation of at least three legal entities. Each of the three must be established in a different EU Member State or Horizon 2020 associated country (India eligible in this call).

Budget: 19,000,000 € Duration: 3 years

Deadline: 14th March, 2017

Weblink: http://ec.europa.eu/research/participants/portal/desktop/

en/opportunities/h2020/topics/sc1-pm-17-2017.html

Joint call for proposals on Technology for a Sustainable Healthcare (DBT/NWO, Netherlands)

Remit: To stimulate sustainable Indian-Dutch research collaboration by funding joint research projects in the area of medical devices.

Eligibility: Should have at least 3 consortium partners, one or two Dutch and two or more Indian research institutions. Must comprise of a collaboration between medical and technical/engineering research institutes.

Budget: Funds equipment/accessories, consumables, manpower, travel, workshop and contingency.

Deadline: 2nd May, 2017

Weblink: http://www.dbtindia.nic.in/dbt-netherlands-joint-call/



FORTHCOMING DEADLINES

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International Exchange

Yamagiwa-Yoshida Memorial international study grants (UICC-JAPAN)

Remit: To enable cancer investigators from any country to carry out bilateral research projects abroad which exploit complementary materials or skills, including advanced training in experimental methods or special techniques.

Eligibility: PhD with 2 years experience in cancer research

Budget: US\$ 10,000 Duration: 3 months

Deadline: 15th March, 2017

Weblink: http://www.uicc.org/programmes/geti/our-activities/

study-grants

Research Internships In Science and Engineering (IUSSTF)

Remit: To provide unique opportunities for science, technology, engineering and medical students from the United States to undertake internships in national laboratories, federal research centers, academic research institutes, and private R & D laboratories in India.

Eligibility: US/Indian citizens. Ph.D and Master students currently enrolled at a regionally accredited institution of higher education in U.S.

Budget: Monthly stipend, accommodation, return airfare

Duration: 3 months **Deadline:** 31st May, 2017

Weblink: http://www.iusstf.org/story/53-49-Research-

Internships-In-Science-and-Engineering.html

Postdoctoral Fellowships

Research Associateship (DBT)

Remit: Provides support to pursue postdoctoral research in frontier areas of biotechnology and applied biology.

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 < 40 years (relaxable by 5 years for women candidates).

Budget: Stipend in the range of Rs. 36000 - Rs. 40000 and contingency amount of Rs. 50,000 per annum.

Duration: 2 years (can be extended upto 5 years)

Deadline: 15th March, 2017

Weblink: http://biochem.iisc.ernet.in/positions/DBT-

RANationalProgram-Feb2017.pdf

Postdoctoral Fellowships

National Post Doctoral Fellowship, N-PDF (SERB)

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

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

Deadline: 30th April, 2017

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

Travel

Ravi Sankaran Fellowship Program Internship (Inlaks Shivdasani Foundation)

Remit: To fund recipients to carry out an internship with a university research group, NGO, government agency, or other organisation, known for its work in conservation science and practice in a country other than India.

Applicant eligibility: Indian national with demonstrated interest in wildlife ecology and conservation. Age limit < 30 years.

Budget: Stipend, internship fees, to-and-fro international

travel (upto USD 1,500 for travel). **Duration:** 6 weeks to 1 year **Deadline**: 15th April, 2017

Weblink: http://www.ravisankaran.org/the-fellowship/

fellowships/

Raman - Charpak Fellowship (CEFIPRA)

Remit: To support doctoral Indian and French students by providing them an opportunity to carry out part of their research work in a University / Research Institute based in France or India respectively.

Applicant eligibility: Indian citizens residing in India, registered for a PhD in a recognized university or research institution in India. Age limit < 30 years.

Budget: Fellowship support of 1500 Euros per month for daily expenses, local travel, accommodation charges plus social security charges.

Duration: 2-6 months

TBA: April 2017. Deadline likely to be in May, 2017. **Weblink**: http://www.cefipra.org/Raman Charpak.aspx



FORTHCOMING DEADLINES

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

February 2017- May 2017

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ambilid@ncbs.res.in

Travel

Travelling Fellowships (Company of biologists)

Remit: Travel grant for graduate students and post-doctoral researchers who wish to make collaborative visits.

Applicant eligibility: No restriction on nationality. The applicant should be working in the field of the journal (Development, Journal of Cell Science, The Journal of Experimental Biology, and Disease Models & Mechanisms)

 $\textbf{Budget:} \ \text{up to £2,500.} \ \text{Funding includes travel, subsistence,}$

accommodation, visa fees and bench fees.

Agency Deadline: 31st May, 2017

Weblink: http://www.biologists.com/travelling-fellowships/

Organizing Meetings/Workshops

Courses and Workshops (EMBO)

Remit: To fund scientists to organise a scientific meeting in India that encourage the sharing of scientific knowledge and skills across all career stages and disciplines in the life sciences.

Budget: Provides financial support and assists organizers

with the promotion of the meeting. **Agency Deadline:** 1st March, 2017

Weblink: http://www.embo.org/funding-awards/courses-

workshops

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

Remit: To fund seminars/workshops in topics of current relevance to both Indian and American researchers from academia and industry with the explicit aim to develop sustained linkages in the areas of Science &Technology.

Applicant eligibility: Faculty from all science and technology disciplines working at Indian and American institutions

Budget: Funds for domestic and international travel and logistics, visa fees, accommodation and other event costs.

Agency Deadline: 1st March, 2017

Weblink: http://www.iusstf.org/story/53-17-bilateral-workshop-symposium--conference.html

Scientific Meetings grant (Company of Biologists)

Remit: To fund the organisation of meetings/ workshops.

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: 28th March, 2017
Weblink: http://www.biologists.com/grants/



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

February 2017- May 2017

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ambilid@ncbs.res.in

Others

Outreach Grants (British ecological Society)

Remit: To fund individuals and organisations to organise

ecological public engagement events.

Applicant eligibility: Applications should promote and engage non-academic audience with the science of ecology.

Budget: £2,000

Agency Deadline: 22 nd March, 2017

Weblink: http://www.britishecologicalsociety.org/funding/

outreach-grants/

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

Rolling schemes

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/hrhrr.php

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

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, with upper age limit of 68 years for completion of fellowship. 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



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Rolling schemes

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

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.

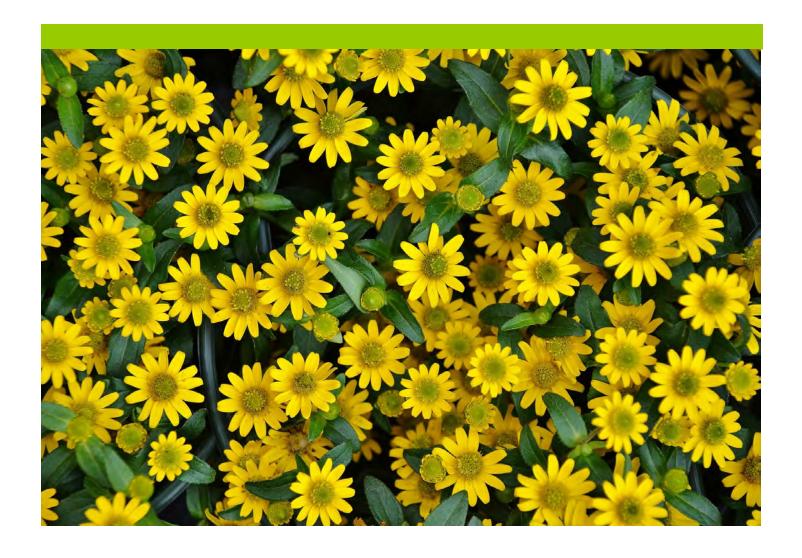
Budget: Fellowship support of Rs.85,000/-per month

and research grant of 7 Lakhs per annum

Duration: 5 years

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

guideline.pdf



RESEARCH DEVELOPMENT OFFICE

National Centre for Biological Sciences GKVK Campus, Bellary Road, Bangalore-560065

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For comments, suggestions and queries on the newsletter, please contact Savita Ayyar.

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