

FUNDING HORIZONS

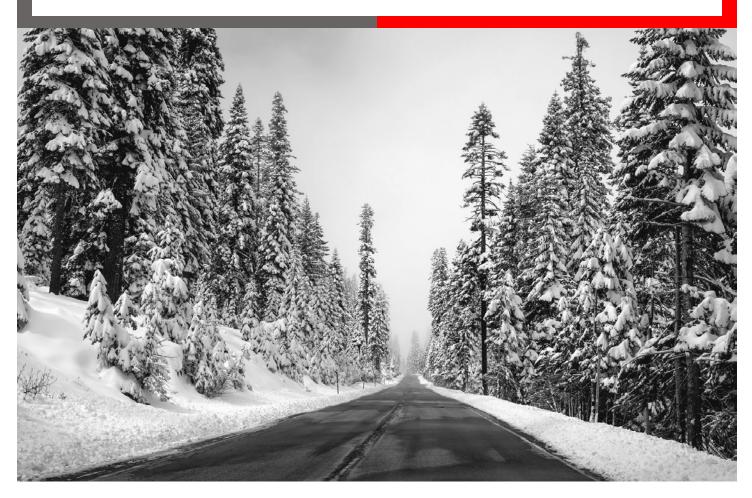
January 2017

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WELCOME NOTE



Dear Colleague,

Wish you all a very Happy New Year- 2017!

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)



INDIA / EMBO SYMPOSIA

EMBO and the Wellcome Trust/DBT India Alliance have instituted a new scheme to provide funds for scientists intending to organise interdisciplinary meetings in India to discuss important global challenges in the field of life sciences.

The meetings should be small, with 10 - 15 highly acclaimed international speakers and 50 - 75 participants, allowing early to mid-career scientists to interact with leading international experts during a period of three days. Symposia must cover frontier, pioneering and interdisciplinary areas of life sciences that are underserved in India, and include speakers with interdisciplinary expertise. The symposia must take place in India, but scientists from anywhere in the world are eligible to apply, independent of their nationality.

The scheme funds up to three meetings per year in India. A maximum funding of up to 60,000 euros is provided. In addition to funding, the agency provides assistance to organizers in promoting the event in selected print and social media channels.

Applications under this scheme are accepted twice a year in February and July. The current deadline for the scheme is **15th February**, **2017**.

Details of the award can be accessed at: <u>http://www.embo.org/funding-awards/courses-workshops/india-embo-symposia</u> and <u>http://www.wellcomedbt.org/event-support</u>

AWARDED GRANTS

Researcher: Dr. Ramkumar Sambasivan
Host Institution: Institute for Stem cell and Regenerative Medicine (inStem)
Project Title: Genetic program controlling mesoderm differentiation.
Funding Scheme: DBT Project grant
Funds Awarded: Rs. 75.83 Lakhs

Researcher: Dr. Ritu Gupta Host Institution: Institute for Stem cell and Regenerative Medicine (inStem) Project Title: Understanding how a specific tRNA modification pathway integrates metabolic cycles with the cell cycle. Funding Scheme: SERB N-PDF

Funds Awarded: Rs. 19.2 Lakhs

Researcher: Dr. Dhandapani Perundurai **Host Institution:** Institute for Stem cell and Regenerative Medicine (inStem)

Project Title: To identify and characterize the risk genes in Indian patients associated with premature coronary artery disease

Funding Scheme: RGUHS Collaborative Grant

Funds Awarded: Rs. 14. 38 Lakhs

Researcher: Dr. Lakshmi B Host Institution: National Centre for Biological Sciences (NCBS) Project Title: Quantitative analysis of Plasmodium and hepatocyte interactions in vivo by combining 3D image analysis and structural bioinformatics approach Funding Scheme: SERB N-PDF Funds Awarded: Rs. 19.2 Lakhs **Researcher:** Dr. Axel Brockmann Host Institution: National Centre for Biological Sciences (NCBS). **Project Title:** Sequencing the genome of the Himalayan giant honeybee Apis laboriosa with a special focus on chemosensory receptor and circadian clock genes. Funding Scheme: DBT Twinning grant Funds Awarded: Rs. 17.67 lakhs. **Researcher:** Dr. Minhaj Sirajuddin Host Institution: Institute for Stem cell and Regenerative Medicine (inStem)

Funding Scheme: EMBO - Young Investigator Award

OUTREACH EVENTS - HIGHLIGHTS 2016

The RDO organizes events to facilitate interaction between funding agencies and campus researchers. We also undertake outreach to funding agencies via participation in workshops organized by the agencies. Funding information relevant to campus science is disseminated to the community through a range of outreach activities. A snapshot of some of these events in the year 2016 is presented below.



Post-doctoral Funding Workshop

Presentation on International Collaborative Research at Chemical Ecology workshop



ASHD Launch



Workshop on Indo-European STI collaboration opportunities Sponsored by the European Commission



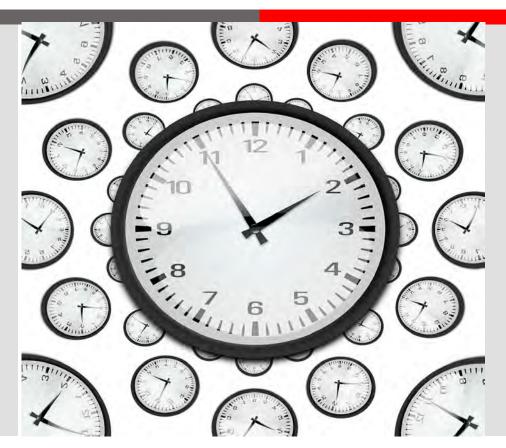
EMBO-India Partnership Launch



Wellcome-DBT India Alliance Research Management workshop



Visit of Delegates from the Bill and Melinda Gates Foundation



Research grants/Fellowships

Intermediate fellowship for basic biomedical research (Wellcome Trust/DBT India Alliance) Remit: To support biomedical research that is relevant to human and animal welfare. Applicant Eligibility: 4-7 years post-doctoral experience Budget: Salary, research expenses, upto 1 year collaborative travel, total award of Rs 3.6 crores Duration: 5 years Deadline: 7th Feb, 2017 Weblink: http://www.wellcomedbt.org/fellowships/intermediate-fellowships

Senior fellowship (Wellcome Trust/DBT India Alliance)
Remit: To support biomedical research that is relevant to human and animal welfare.
Applicant Eligibility: 7-15 years post-doctoral experience
Budget: Salary, research expenses total award of maximum Rs 4.5 crores
Duration: 5 years
Deadline: 7th Feb, 2017
Weblink: http://www.wellcomedbt.org/fellowships/senior-fellowships





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

January 2017 – April 2017

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 required for approvals sponsored research are in place. Queries in this regard should be directed to harleenk@ncbs.res.in/ ambilid@ncbs.res.in

Research grants/Fellowships

Intermediate Fellowships for Clinicians and Public Health Researchers in India (Wellcome Trust/DBT India Alliance)

Remit: To support clinician scientists and public health researchers who have been successful in building a track record of pursuing a cutting edge clinical/public health research and wish to establish an independent research program in an academic institution in India.

Applicant Eligibility: 4-7 years of post-MD/post-MS/post-MPH/ post- PhD or equivalent research experience.

Comments: Clinicians and Public Health Research Fellows may use this opportunity to do a PhD on the India Alliance Fellowship project.

Budget: Salary, research expenses, total award of maximum Rs 3.8 crores

Duration: 5 years

Deadline: 9th Feb, 2017

Weblink:<u>http://www.wellcomedbt.org/fellowships/cph-</u> intermediate-fellowships

Senior Fellowships for Clinicians and Public Health Researchers in India (Wellcome Trust/DBT India Alliance)

Remit: To support clinician scientists and public health researchers who have demonstrated their potential to lead an independent research program and want to expand it further.

Applicant Eligibility: 7-15 years of post-MD/post-MS/post-MPH/ post- PhD or equivalent health research experience.

Budget: Salary, research expenses, total award of Rs 4.7 crores

Duration: 5 years

Deadline: 9th Feb, 2017

Weblink: http://wellcomedbt.org/fellowships/cph-senior-fellowships

Alexander von Humboldt Foundation International Climate Protection Fellowships

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 $\in 2,150$ and $\in 2,650$. Additional financial support such as for family members accompanying you, travel expenses or a German language course. **Duration:** 1 year

Deadline: 1st March, 2017

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

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 Investigator's 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: <u>http://www.embo.org/funding-awards/young-</u>investigators



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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 demonstrated 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: <u>http://www.ravisankaran.org/the-fellowship/</u>fellowships/

International Collaboration

Bee health and sustainable pollination (DBT / EU under HORIZON 2020)

Remit: To support collaborative research proposals between scientists in India and Europe on projects related to Bee health and sustainable pollination.

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). All three legal entities must be independent of each other

Budget: Maximum of Rs. 3,00,00,000.

Duration: 3 years

Deadline: 14th Feb, 2017

Weblink: <u>http://ec.europa.eu/research/participants/portal/</u> desktop/en/opportunities/h2020/topics/sfs-16-2017.html

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: 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). All three legal entities must be independent of each other.

Budget: 19,000,000 € Duration: 3 years Deadline: 14th March, 2017 Weblink: <u>http://ec.europa.eu/research/participants/portal/</u> 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 at the development of 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). All three legal entities must be independent of each other.

Budget: 19,000,000 € Duration: 3 years Deadline: 14th March, 2017 Weblink: <u>http://ec.europa.eu/research/participants/portal/</u> desktop/en/opportunities/h2020/topics/sc1-pm-17-2017.html



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International Collaboration

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 that have the explicit goal to contribute to a more sustainable health care either in India or in Netherlands.

Applicant eligibility: Must consist of at least three consortium partners, one or two Dutch and two or more Indian research institutions. The consortium must comprise of a collaboration between medical research institutes and technical/engineering research institutes. The Indian PI should be researcher from public or private non-profit institution that develop and perform R&D activities.

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

Deadline: 2nd May, 2017

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

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, Overheads: Rs. 1,00,000/- per annum.

Duration: 2 years (can be extended to 1 more year) **Deadline**: 30th April, 2017

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

<u>Travel</u>

Ravi Sankaran Fellowship Program Internship (Inlaks Shivdasani Foundation)

Remit: To fund one or two 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: <u>http://www.ravisankaran.org/the-fellowship/</u><u>fellowships/</u>

Organizing Meetings/Workshops

India /EMBO symposia (EMBO/ Wellcome Trust/DBT India Alliance)

Remit: To fund meetings that address discovery and innovation through an interdisciplinary approach, with the speakers and participants discussing important global challenges in the context of the life sciences.

Applicant eligibility: The meetings should be small, with 10 - 15 highly acclaimed international speakers and 50 - 75 participants, allowing early to mid career scientists to interact with leading international experts

Budget: 60,000 euros.

Duration: 3 days

Agency Deadline: 15th Feb, 2017

Weblink:<u>http://www.embo.org/funding-awards/courses-</u>workshops/india-embo-symposia#about

Courses and Workshops (EMBO)

Remit: To fund scientists intending 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/coursesworkshops



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Organizing Meetings/Workshops

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

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

Applicant eligibility: Faculty/ scientists/ researchers 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:<u>http://www.iusstf.org/story/53-17-bilateral-</u>workshop--symposium--conference.html

Seminars/Workshops/Training Schools (CEFIPRA)

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. The event should be held be either in India or in France. The event can have a maximum of 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:<u>http://www.cefipra.org/section.aspx?</u> catid=881&langid=1

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

Rolling schemes

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

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/jcboseguideline.pdf

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/ramanujanguideline.pdf

Project grants (DBT)

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

Applicant eligibility: PhD, 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



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RESEARCH DEVELOPMENT OFFICE

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

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