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Hello campus researchers!

Welcome to another edition of our monthly newsletter.

In this month's STREAM we have put together an engaging "In-conversation" interview with Dr Sapna Poti, Director, Strategic Alliances, PSA Office where we discuss academia-industry partnerships and her role in promoting and enhancing collaborations to strengthen the research and development ecosystem in India.

The ORG conducted its first grant writing workshop which was well attended by Assistant professors, postdocs, and senior doctoral students. Based on the overwhelming response, we hope to conduct more such writing workshops in the near future.

Also, of note in this issue are some important grant call deadlines calls for September that include the India-Belarus, India Japan Joint program, DST ACT call, ICMR-DFG call on Toxicology, DBT call on TB therapy and the Sony Awards Program.

For more details regarding postdoctoral fellowship calls, please check out the ORG Funding Database on the SharePoint. Please also do not forget to write to us for any grant-related queries.

With best wishes,
ORG Team.



For queries, write to us at office.org@iisc.ac.in



For more information, visit <https://org.iisc.ac.in/>



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UPCOMING DEADLINES

SEPTEMBER 2022						
S	M	T	W	T	F	S
				1	2	3
4	<u>5</u>	<u>6</u>	<u>7</u>	8	9	10
<u>11</u>	<u>12</u>	13	14	<u>15</u>	<u>16</u>	17
18	<u>19</u>	<u>20</u>	<u>21</u>	22	23	24
<u>25</u>	26	27	28	<u>29</u>	<u>30</u>	

IN CONVERSATION

*Dr. Chandrima Home with Dr Sapna Poti,
Director, Strategic Alliances, PSA Office*

Please tell us something about your roles and responsibilities as Director of Strategic Alliances at the PSA Office.

The division of Strategic Alliances was initiated two years ago during the pandemic which made us realize that industry, academia as well as multilaterals, global foundations can work well together to make a deeper social impact, especially during emergency situations. My role within this division is to acquire different kinds of opportunities through networking with industries, multilaterals and global foundations and bring them on board for start-up ecosystems and academia. Specifically, we bridge the demand side (corporate funders, philanthropists and those who outsource industry R&D) and the supply side

(spectrum of academic institutions, universities and start-ups) to foster social impact technologies.

What are the Technology Readiness Levels (TRL) which are considered as a part of this partnership? What fraction of these collaborations occur with start-ups Vs well established industry partners?

We are not specific when it comes to the TRL level which could be any level - a pilot, in production, or market ready innovation since our aim is to drive research and innovation through partnerships. It also does not matter whether these are start-ups or established industry partners. We approach the industry and facilitate in building an expression of interest or an innovation challenge to the entire ecosystem. Presently, this information is disseminated through emails. Our new platform, Manthan, will soon enable the different stakeholders interact directly.

In light of the AatmaNirbhar Bharat Abhiyan, what are some of the broad areas where you see most of these partnerships emerging? Do we see important collaborations with global industry partners here?

All technologies that we are trying to develop are indigenous and cover almost all areas of research and innovation that brings in the self-sustainability which fits within the auspices of the AatmaNirbhar Bharat. We have several global partners that include the Wellcome Trust, Rockefeller Gates Foundation, Lego Foundation, Elon Musk promoted Xprize Foundation and others of repute.

The SA compendium mentions a list of proposed Centres of Excellence to facilitate translation of promising sustainable technologies and business models. What are the important criteria considered in the selection of a CoE?

We are in the process of setting up several Centres of Excellence this year that include Affordable Clean Energy (IIT Dharwad), Air Pollution Measurement, Modelling, and Analysis (IIT Delhi), Advanced Technologies for Monitoring Air-Quality Indicators and Air purification (IIT Kanpur), Sanitation (IIT Palakkad), Clean Air Research and Technology and AquaMap (IIT Madras), Air Quality Improvement (IIT Goa), Centre of Mathematics (TIFR and IITB), Centre for STEM Education (Delhi and Pune Clusters), and a Geospatial Centre of Excellence (IIT Jodhpur).

Each of these centres have four pillars: technology screening, evaluation and incubation, real life scale testing and demo, and business development and skill development for the market. The Ministry of Housing and Urban Affairs is likely to be a part of the Governing Council and will look to see how they can support the Centres.

Could you discuss a case study where your role translated into success? How do you ensure the scalability of innovation and research in such a scenario?

The setting up of the CoE in Sanitation at IIT Palakkad is a good case study of a successful venture. We were able to facilitate the involvement of the following partners: HDFC Bank, Gates Foundation, Keystone Foundation, Melinda Gates Foundation, Eram Scientific for sanitation management, IAPMO and Toilet Board Commission. These partners provide funds as well as land for pilot studies. The CoE has all the four pillars of R&D innovation, start-up incubation, scale up of pilot projects, and a dominant engagement through industry partnerships.

What are the challenges in bringing together two different domains? What advice would you give to academics and industry partners to best build such alliances?

One of the biggest challenges we face is the pace at which both these domains work: the industry domain, including start-ups, move at a swifter pace as compared to the academic domain. About 20% of the academic Institutes are into applied research and development with few incubation facilities. Many industries look at opportunities in a myopic manner with changing requirements. Sometimes decisions on proposals can take a long time which dampens the spirit of the proposal provider. Despite these challenges, last year we

provided about 1800 crores worth of opportunities; this year we have started with about 2027 crores in the first quarter.

The Strategic Alliances puts tremendous efforts to build bridges and we hope that the ecosystem is appreciative of these endeavors. The office has a team of three who coordinate with all the partners. Industry partners require a competitive proposal with a marketable strategy that the academic partner needs to comply with in simpler terms with achievable milestones, a good team structure and based on past credentials.

Thank you for an interesting discussion. We look forward to continued interactions in the future.



RESEARCH GRANTS

[Kerala State Council for Science, Technology and Environment Technology Development & Adaptation Programme \(TDAP\)](#)

Overview: Developing innovative and need-based technologies and upgradation of existing technologies for commercial environment.

Submission Deadline: 12 September, 2022.

[DBT Request for Applications \(RFA\) on “Host directed therapies against TB](#)

Overview: Supports optimization, pre-clinical studies, development of clinical trial protocols and conduct of proof-of-concept clinical trials for TB treatment using host-directed agents.

Submission Deadline: 15 September, 2022.

[Sony Focused Research Award Program](#)

Overview: Opportunity for faculty to conduct collaborative research in future network system, novel actuator and mechanism for robots and novel technologies for NIR-VCSELs, etc.

Submission Deadline: 16 September, 2022.

[Sony Faculty Innovation Award Program](#)

Overview: Funds to conduct pioneering research in the areas of machine learning, robotics, brain technology, computer vision, data mining, etc.

Submission Deadline: 16 September, 2022.

[Primate Conservation Call for Grant Proposals](#)

Overview: Supports conservation programs for wild populations of primates.

Submission Deadline: 20 September, 2022.

[SERB POWER \(Promoting Opportunities for Women in Exploratory Research\) Research Grants](#)

Overview: Encourages emerging and established women researchers to undertake R&D activities in frontier areas of science and engineering.

Submission Deadline: 30 September, 2022.

[DST Call for Proposals on Advanced Materials and Energy Storage Technology \(AMEST\)-2022](#)

Overview: Supports energy storage technologies ready for commercialization to capture specific systems integration opportunities.

Submission Deadline: 30 September, 2022.

ACADEMIC EXCHANGE PROGRAMS

[ICGEB Short-Term PhD Fellowships](#)

Overview: Funds for ongoing collaborative research between scientists from ICGEB Member States and research groups at ICGEB laboratories (Trieste- Italy, New Delhi-India and Cape Town- South Africa).

Submission Deadline: 30 September, 2022.

BILATERAL RESEARCH GRANTS

[NIH Dissemination and Implementation Research in Health](#)

Overview: Encourages research that promotes equitable dissemination and implementation of evidence-based interventions among underrepresented communities.

Submission Deadline: 5 September, 2022.

[NIH Precision Approaches in Radiation Synthetic Combinations \(PAIRS\)](#)

Overview: Investigates actionable synthetic vulnerabilities that can be conditionally paired with tumor responses to radiation therapy.

Submission Deadline: 5 September, 2022.

[NIH Biology of Bladder Cancer \(R01 Clinical Trial Optional\)](#)

Overview: To investigate the biology and underlying mechanisms of bladder cancer.

Submission Deadline: 5 September, 2022.

[NIH Impact of the Microbiome-Gut-Brain Axis on Alzheimer's Disease and Alzheimer's Disease-Related Dementias](#)

Overview: Supports mechanistic research focused on microbiome, genetic and non-genetic molecular targets that influence AD/ADRD.

Submission Deadline: 5 September, 2022.

[India-Japan Cooperative Science Programme \(IJCSP\) Call For Proposals-2022](#)

Overview: Promotes bilateral scientific collaboration between Indian and Japanese scientists in Science, Engineering and Technology.

Submission Deadline: 6 September, 2022.

[NIH Structural Biology of Alzheimer's Disease Related Dementias \(ADRDs\) Proteinopathies](#)

Overview: Supports research to characterize protein aggregate structures in the Alzheimer's disease related dementias (ADRD).

Submission Deadline: 7 September, 2022.

[NIH Utilizing the PLCO Biospecimens Resource to Bridge Gaps in Cancer Etiology and Early Detection Research](#)

Overview: Supports research in cancer etiology and early detection biomarker that utilize the unique biorepository resources of the NCI-sponsored Prostate, Lung, Colorectal, and Ovarian Cancer (PLCO) Screening Trial.

Submission Deadline: 11 September, 2022.

[NIH Dementia Care and Caregiver Support Intervention Research](#)

Overview: Addresses the care needs and promote health, function, and well-being of persons with Alzheimer's disease (AD) and Alzheimer's disease-related dementias (ADRD) and those providing care.

Submission Deadline: 11 September, 2022.

[NIH Pragmatic Trials for Dementia Care and Caregiver Support](#)

Overview: Supports pragmatic trials to improve dementia care across multiple dementia care settings.

Submission Deadline: 11 September, 2022.

[NIH Studies of Cytosolic DNAs in the Interactions of Aging Hallmarks](#)

Overview: Invites applications on novel studies of the cytosolic DNA sensing mechanisms in the interactions of aging hallmarks.

Submission Deadline: 11 September, 2022.

[NIH Mapping Interconnectivity Among Hallmarks of Aging under Lifespan Modifications](#)

Overview: Solicits research projects to increase understanding of interactions among hallmarks of aging and their regulation.

Submission Deadline: 11 September, 2022.

[NIH Inter-Organelle Communication as a Platform to Interrogate the Interactions of Hallmarks of Aging](#)

Overview: Encourages innovative, mechanistic approaches to identify and characterize interactions of aging hallmarks shaped by inter-organelle communication.

Submission Deadline: 11 September, 2022.

[NIH HEAL Initiative: Team Research for Initial Translational Efforts in Non-addictive Analgesic Therapeutics Development](#)

Overview: Supports development of safe, effective, and non-addictive therapeutics to treat pain.

Submission Deadline: 11 September, 2022.

[NIH BRAIN Initiative: Research on the Ethical Implications of Advancements in Neurotechnology and Brain Science](#)

Overview: Encourages projects from multi-disciplinary teams focused on ethical issues associated with BRAIN Initiative supported research areas.

Submission Deadline: 11 September, 2022.

[DST Accelerating CCUS Technologies \(ACT\) 4 Call](#)

Overview: Facilitates emergence of CO₂ Capture Utilisation and Storage (CCUS) via transnational funding of projects through targeted innovation and research activities.

Submission Deadline: 12 September, 2022.

[India-Belarus Joint Research Programme Call for Proposals 2022-2024](#)

Overview: Focuses on Indian and Belarusian joint research projects in areas of information and communication technologies with focus on artificial intelligence, Internet of Things (IoT), machine learning, cloud services, biotechnology, additive manufacturing, powder production for AM and powder metallurgy components, nanostructured materials, ceramic materials, functional coatings and thin films for various applications.

Submission Deadline: 15 September, 2022.

[NIH NIDCR Small Research Grants for Oral Health Data Analysis and Statistical Methodology Development](#)

Overview: Supports research that involve secondary data analyses of existing oral or craniofacial database resources.

Submission Deadline: 16 September, 2022.

[NIH Precision Approaches in Radiation Synthetic Combinations \(PAIRS R21 Clinical Trial Optional\)](#)

Overview: Investigates actionable synthetic vulnerabilities that can be conditionally paired with tumor responses to radiation therapy.

Submission Deadline: 16 September, 2022.

[NIH Biology of Bladder Cancer \(R21 Clinical Trial Optional\)](#)

Overview: Encourages applications that investigate the biology and underlying mechanisms of bladder cancer.

Submission Deadline: 16 September, 2022.

[NIH Fertility Status as a Marker for Overall Health](#)

Overview: Supports exploratory/developmental research using fertility status as a marker for overall health.

Submission Deadline: 19 September, 2022.

[NIH Policy and Alzheimer's Disease \(AD\) and Alzheimer's Disease-Related Dementias \(ADRD\) Healthcare Disparities: Access, Utilization, and Quality](#)

Overview: Solicits research projects to exploit variations in social and health care policies to uncover mechanisms driving disparities in care for persons living with AD/ADRD.

Submission Deadline: 20 September, 2022.

[NIH Measures and Methods for Research on Family Caregivers for People Living with Alzheimer's Disease and Related Dementias \(AD/ADRD\)](#)

Overview: Supports development of methods and measures for family caregivers for people living with AD/ADRD.

Submission Deadline: 20 September, 2022.

[Simons Foundation Targeted Grants to Institutes](#)

Overview: Facilitates strengthening contacts within the international scientific community for established institutes/centers in mathematics, theoretical physics and theoretical computer science.

Submission Deadline: 21 September, 2022.

[NIH Expanding Prevention Strategies for Mental Disorders in Mobile Populations in Humanitarian Crises](#)

Overview: Supports the development of assessment tools, preventive interventions, and implementation approaches to improve mental health outcomes in mobile populations.

Submission Deadline: 25 September, 2022.

[NIH Cancer Prevention and Control Clinical Trials Planning Grant Program](#)

Overview: Facilitates clinical trials in cancer prevention and control spectrum aimed at improving cancer-related health behaviors.

Submission Deadline: 25 September, 2022.

[NIH Planning Grant for Global Infectious Disease Research Training Program \(D71 - Clinical Trials Not Allowed\)](#)

Overview: Supports designing a Global Infectious Disease (GID) Research Training Program in collaboration with US collaborators and strengthen LMIC faculty at the LMIC institution.

Submission Deadline: 28 September, 2022.

[Longitude Prize: Final Phase Prize Rules And Challenge](#)

Overview: Rewards a competitor who can develop a transformative point-of-care diagnostic test which will conserve antibiotics for future generations.

Submission Deadline: 30 September, 2022.

[ICMR – DFG Call for Proposals 2022](#)

Overview: Supports joint Indo-German academic research projects in the field of toxicology.

Submission Deadline: 30 September, 2022.

[IAEA Technologies Enhancing the Competitiveness and Early Deployment of Small Modular Reactors](#)

Overview: Promotes the development of technologies to enhance competitiveness of Small Modular Reactors (SMR) solutions.

Submission Deadline: 30 September, 2022.

FELLOWSHIPS

[USIEF Fulbright-Kalam Academic and Professional Excellence 2023-2024](#)

Overview: Provides Indian faculty, researchers, and professionals the opportunity to teach, conduct research/both at a US institution.

Submission Deadline: 15 September, 2022.

[BIRAC Indo-US Clinical Research Ethics Fellowship](#)

Overview: Create leaders in the field of bioethics and capacity in clinical research ethics.

Submission Deadline: 29 September, 2022.

TRAINING FELLOWSHIPS

[USIEF 2023-2024 Fulbright- Fulbright-Kalam Climate Fellowships for Doctoral Research](#)

Overview: Supports building long-term capacity to address climate change-related issues in India and US.

Submission Deadline: 15 September, 2022.

[USIEF 2023-2024 Fulbright-Kalam Postdoctoral Research](#)

Overview: Opportunity for early-stage researchers to strengthen their research capacities.

Submission Deadline: 15 September, 2022.

POST DOCTORAL FELLOWSHIPS

[DBT India Alliance Early Career Fellowships in Basic Biomedical Research](#)

Overview: An opportunity for postdoctoral researchers to carry out biomedical, molecular, and cellular biology research in India and towards building an independent research career.

Submission Deadline: 16 September, 2022.

[Banting Postdoctoral Fellowships by the Government of Canada](#)

Overview: Funding to both national and international postdoctoral applicants who will positively contribute to the economic, social, and research-based growth in the country.

Submission Deadline: 21 September, 2022.

[ICGEB Smart Fellowship](#)

Overview: Promotes mobility of researchers between ICGEB Member States to enhance skill development and collaboration between two laboratories.

Submission Deadline: 30 September, 2022.

FELLOWSHIPS_STUDENTS

[ICGEB Smart Fellowship](#)

Overview: Promotes collaboration among researchers in ICGEB Member Countries through mobility of researchers between ICGEB Member States.

Submission Deadline: 30 September, 2022.

[ICGEB Arturo Falaschi Postdoctoral Fellowship](#)

Overview: Fellowships for scientists in Life Sciences to pursue postdoctoral research in a world-class scientific environment.

Submission Deadline: 30 September, 2022.

[ICGEB Short-Term PhD Fellowships](#)

Overview: Funds for ongoing collaborative research between ICGEB Member States and research groups at ICGEB laboratories with the aim of facilitating access to the latest research techniques.

Submission Deadline: 30 September, 2022.

TRAVEL GRANTS

[CNRS Call for Proposals for International Emerging Actions 2022](#)

Overview: Supports short-term mobility of scientists to explore new fields of research and international partnerships.

Submission Deadline: 16 September, 2022.