

Government of India  
Department of Atomic Energy  
R&D-II Section

Anushakti Bhavan,  
C.S.M. Marg,  
Mumbai 400 001.  
[☎022-22862763]  
e-mail: rd2@dae.gov.in

No:15/3(12)/2012/SINP/R&D-II/ 10669

August 20, 2014


**Sub: SINP- Financial contribution towards sharing of operational costs in the PICASSO collaboration under CAPP-II project of XII Plan - reg.**

Reference is invited to letter No. SINP/RO/Action-103G.C. dated 08.04.2013 seeking formal approval of the Department for annual contribution of CAD 60,000 (Sixty Thousand Canadian dollars roughly equivalent to INR 32,40,000 @ 1 CAD= approx. INR 54/-) for a period of 05 years starting (with retrospective effect) from the Financial Year 2012-13 by SINP towards sharing of operational costs in the PICASSO Collaboration.

2. The Competent Authority in the Department has approved the proposal submitted by SINP subject to the following condition :

The annual contribution has started from the year 2012-13, in anticipation of Finance concurrence. SINP is advised not to seek retrospective sanction in future. Also, to the extent possible, Projects with the components of International collaborations that require the concurrence of the Member for Finance be posed to him for sanction in the first instance.

3. This issues with the concurrence of Member (Finance), AEC as conveyed vide Note No. JS(F)/SINP/IV/8/20/365 dated 16.07.2014 .

  
(K. Swaminathan)  
Under Secretary (R&D-II)

Director,  
Saha Institute of Nuclear Physics (SINP),  
Kolkata

**Copy to :**

Dr. Pijushpani Bhattacharjee, Sr. Prof. & Head, AstroParticle Physics & Cosmology (APC) Division & Centre for AstroParticle Physics (CAPP), SINP, Kolkata  
e-mail id : [pijush.bhattacharjee@saha.ac.in](mailto:pijush.bhattacharjee@saha.ac.in)

## PROJECT NO. 5404-2

### APPROVED BUDGET FOR THE INDIAN COLLABORATOR

**A1 Salaries / Wages of Manpower to be hired by the Indian Principal collaborator specifically for the project at (SINP, Kolkata)**

Designation	No.		1st Year (Rs.)	2nd year (Rs.)	3rd Year (Rs.)
RA for 3 years	1	Monthly Emoluments (Rupees)	561,600	592,800	624,000
<b>Year wise total</b>			<b>561,600</b>	<b>592,800</b>	<b>624,000</b>

<b>A1</b>	<b>Approved budget on salaries/ wages for the project duration</b>	<b>Rs.17,78,400 /-</b>
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NOTE: \* The actual budget will be according to the rate of monthly payments stipulated by UGC/DST/CSIR from time to time.

### **B1 : Other Recurring Expenses of Indian Collaborators**

#### **B1(a). Other Recurring Expenses of the Indian Principal Collaborator (SINP, Kolkata)**

Details		1st Year (Rs.)	2nd year (Rs.)	3rd Year (Rs.)
1.	Cost of consumable materials	50,000	---	50,000
2.	Cost of project related local travel ( <b>within India only</b> )	75,000	---	75,000
3.	Any other miscellaneous expenses (Contingencies)	100,000	---	---
4.	<b>Year-wise total</b>	<b>225,000</b>	<b>---</b>	<b>125,000</b>
<b>B1(a)</b>	<b>Approved budget on recurring expenses for the project duration</b>	<b>Rs. 3,50,000 /-</b>		

- Printer cartridge cost included in RE instead of equipment
- Amount for miscellaneous expenses will be released as per actual when statement of account with details is submitted after each project year.

#### **B1(b). Other Recurring Expenses of the Indian Joint Collaborator (IISc, Bangalore)**

Details		1st Year (Rs.)	2nd year (Rs.)	3rd Year (Rs.)
1.	Cost of consumable materials		50,000	-
2.	Cost of project related local travel ( <b>within India only</b> )	---	75,000	---
3.	Any other miscellaneous expenses (Contingencies)	100,000	---	---
4.	<b>Year-wise total</b>	<b>100,000</b>	<b>125,000</b>	<b>---</b>
<b>B1(b)</b>	<b>Approved budget on recurring expenses for the project duration</b>	<b>Rs.2,25,000 /-</b>		

  
**(PRANAV SHARMA)**  
 Assistant Accounts Officer  
 Indo-French Centre for the  
 Promotion of Advanced Research  
 New Delhi

**PROJECT NO. 5404-2**

- Printer cartridge cost included in RE instead of equipment
- Amount for miscellaneous expenses will be released as per actual when statement of account with details is submitted after each project year.

<b>B1</b>	<b>B1(a) + B1(b)</b>	<b>Rs. 575,000 /-</b>
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**C1: Budget for purchase of equipment**

<b>C1</b>	<b>Total approved budget for Equipment</b>	<b>Nil</b>
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**D1 International Visits for Indian Collaborators**

**D1(a) International visits for Indian Principal Collaborator (SINP, Kolkata)**

<b>D1(a)</b>	Number of Exchange Visits (for 3 years)	3 visit of 30 days each for Collaborator & 2 visits of 30 days each for student	<b>Rs. 20,30,556/-</b>
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**D1(b) International visits for Indian Principal Collaborator (IISc, Bangalore)**

<b>D1(b)</b>	Number of Exchange Visits (for 3 years)	3 visit of 30 days each for Collaborator	<b>Rs. 15,90,162/-</b>
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<b>D1</b>	<b>D1(a) + D1(b)</b>	<b>Rs. 36,20,718/-</b>
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**E1: Overhead Charges**

**E1 (a) Overheads charges for (SINP, Kolkata)**

<b>E1(a)</b>	Overheads charges @10% on the approved budget, or actual expenditure incurred during each year, whichever is less	78,660	59,280	74,900
<b>Total</b>				<b>Rs. 2,12,840/-</b>

- Overhead charges will be released based on the actual expenditure incurred as per the statement of account submitted after each project year.

**E1 (b) Overheads charges for (IISc, Bangalore)**

<b>E1(b)</b>	Overheads charges @10% on the approved budget, or actual expenditure incurred during each year, whichever is less	10,000	12,500	
<b>Total</b>				<b>Rs. 22,500</b>

- Overhead charges will be released based on the actual expenditure incurred as per the statement of account submitted after each project year.

<b>E1*</b>	subject to maximum of	<b>E1(a) + E1(b)</b>	<b>Rs. 2,35,340/-</b>
			<b>Rs.5,00,000/-</b>

<b>A1+B1+C1+D1+E1</b>	<b>Total approved cost of the project</b>	<b>Rs 62,09,458/-</b>
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**D1(a)- International Visits (India to France) in Detail for (SINP, Kolkata):**

Number of Exchange Visits (for 3 years)	3 visits of 30 days each for collaborator & 2 visits of 30 days each for students
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**Cost of Visit (Rates - Annexure-I & Visits guidelines - Annexure-III)**

Duration of Visit	1 <sup>st</sup> year in Rs.	2 <sup>nd</sup> year in Rs.	3 <sup>rd</sup> year in Rs.
30 days each for collaborators	530,054 X 1	530,054 X 1	530,054 X 1
30 days each for student	220,197 X 1	220,197 X 1	
Total	750,251	750,251	530,054

\*Exchange rate calculated @ 1 Euro= Rs. 73.0796

D1(a)	<b>Approved budget for visits</b>	<b>Rs. 20,30,556/-</b>
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**D1(b)-International Visits (India to France) in Detail for (IISc, Bangalore):**

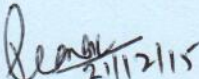
Number of Exchange Visits (for 3 years)	3 visit of 30 days each for collaborators
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**Cost of Visit (Rates - Annexure-I & Visits guidelines - Annexure-III)**

Duration of Visit	1 <sup>st</sup> year in Rs.	2 <sup>nd</sup> year in Rs.	3 <sup>rd</sup> year in Rs.
30 days each for collaborators	530,054 X 1	530,054 X 1	530,054 X 1
Total	530,054	530,054	530,054

\*Exchange rate calculated @ 1 Euro= Rs. 73.0796

D1(b)	<b>Approved budget for visits</b>	<b>Rs. 15,90,162/-</b>
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**APPROVED BUDGET FOR THE FRENCH PRINCIPAL  
COLLABORATOR**

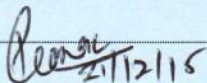
**A2. Fellowship to the Manpower hired by the French collaborator specifically for the project**

Designation	No.	Monthly Emoluments (Euro)	1st Year (Euro)	2nd year (Euro)	3rd Year (Euro)
One Indian /French Post- Doc	1	Euro 1.850 p.m.(net)	<p><b>Maximum of Euros 60.000 for the Post-Doc, which includes all expenses such as emoluments, travel, University fee and charges for carte de séjour.</b></p> <p>The Indian Principal Collaborator and the French Collaborator must send a joint letter of acceptance for the appointment of the Post-doc under CEFIPRA project. The selection procedure must be followed for the appointment, which should be mutually acceptable to both the collaborators.</p> <p>For Indian Post-doc, the scholarship will be paid through CAMPUS FRANCE.</p> <p>For French Post-doc, payment will be transferred to the French institution.</p>		

**Note: Copies of the following documents should be sent to CEFIPRA for processing the visa & fellowship of the Indian candidate, if it is processed through Campus France:**

- Convention d'Accueil (Original to be sent to post-doc)
- Programme de stage (Original to be sent to post-doc)
- Latest CV of the candidate selected
- Photograph
- Copy of PhD degree

A2	Approved budget on fellowship for the project duration	Euro 60.000
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**B2: Other Recurring Expenses of French Collaborators****B2 (a). Other Recurring Expenses of the French Principal Collaborator (EPP, Palaiseau)**

Details		1st Year (Euro)	2nd year (Euro)	3rd Year (Euro)
1.	Cost of consumable materials	-	-	-
2.	Cost of project related local Travel ( <b>within France only</b> )	-	-	-
3.	Any other miscellaneous expenses (Contingencies)	2.000	-	-
4.	<b>Year-wise total</b>	2.000	-	-
<b>B2(a)</b>	<b>Approved budget on recurring expenses for the project duration</b>	<b>Euro 2.000</b>		

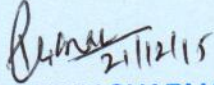
- Amount for miscellaneous expenses will be released as per actual when statement of account with details is submitted after each project year.

**B2(b). Other Recurring Expenses of the French Joint Collaborator (Universite Paris)**

Details		1st Year (Euro)	2nd year (Euro)	3rd Year (Euro)
1.	Cost of consumable materials	-	-	-
2.	Cost of project related local travel( <b>within France only</b> )	-	-	-
3.	Any other miscellaneous expenses (Contingencies)	-	2.000	-
4.	<b>Year-wise total</b>	-	2.000	-
<b>B2(b)</b>	<b>Approved budget on recurring expenses for the project duration</b>	<b>Euro 2.000</b>		

- Amount for miscellaneous expenses will be released as per actual when statement of account with details is submitted after each project year.

	<b>B2</b>	<b>B2(a) + B2(b)</b>	<b>Euro 4.000</b>
<b>C2</b>	<b>Approved budget on Equipment</b>		<b>NIL</b>

  
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**D2: International visits for French Collaborators**

**D2(a) International visits for French Principal Collaborator (EPP, Palaiseau)**

D2(a)	Number of Exchange Visits (for 3 years)	3 visit of 15 days for Collaborator	Euro 10.098,00
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**D2(b) International visits for French Joint Collaborator (Universite Paris)**

D2(b)	Number of Exchange Visits (for 3 years)	3 visit of 15 days for Collaborator	Euro 10.098,00
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<b>D2</b>	<b>D2(a) + D2(b) =</b>	<b>Euro 20.196,00</b>
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**E2 Overheads**

**E2(a) Overheads charges for French Principal Collaborator (EPP, Palaiseau)**

E2(a)	Overheads charges @8% on the approved budget or actual expenditure incurred during each year, whichever is less	160	-	-
			<b>Total</b>	<b>Euro 160</b>

- Overhead charges will be released based on the actual expenditure incurred as per the statement of account submitted after each project year.

**E2(b) Overheads charges for French Joint Collaborator (Universite Paris)**

E2(b)	Overheads charges @8% on the approved budget or actual expenditure incurred during each year, whichever is less	-	160	-
			<b>Total</b>	<b>Euro 160</b>

- Overhead charges will be released based on the actual expenditure incurred as per the statement of account submitted after each project year.

<b>E2</b>	<b>E2(a) + E2(b) =</b>	<b>Euro 320</b>
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<b>A2+B2+C2+D2+E2</b>	<b>Total approved cost of the project for the French side</b>	<b>Euro 84.516,00</b>
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*Pranav Sharma*  
 (PRANAV SHARMA)  
 Assistant Accounts Officer  
 Indo-French Centre for the  
 Promotion of Advanced Research  
 New Delhi

**D2. International Visits (France to India) in Detail:****D2(a). International visits for French Principal Collaborator (EPP, Palaiseau)**

Number of Exchange Visits (for 3 years)	3 visit of 15 days each for Collaborators*
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**Cost of Visit (Rates - Annexure-II & Visits guidelines - Annexure-III)**

Duration of Visit	1 <sup>st</sup> year in Euro	2 <sup>nd</sup> year in Euro	3 <sup>rd</sup> year in Euro
15 days each	3.366 x 1	3.366 x 1	3.366 x 1
<b>Total</b>	3.366	3.366	3.366

\*Exchange rate calculated @ 1 Euro= Rs. 73.0796

D2 (a).	<b>Approved budget for visits</b>	<b>Euro 10.098</b>
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**D2 (b). International visits for French Joint Collaborator (Universite Paris)**

Number of Exchange Visits (for 3 years)	3 visit of 15 days each for Collaborators
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**Cost of Visit (Rates - Annexure-II & Visits guidelines - Annexure-III)**

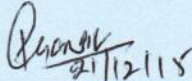
Duration of Visit	1 <sup>st</sup> year in Euro	2 <sup>nd</sup> year in Euro	3 <sup>rd</sup> year in Euro
15 days each	3.366 x 1	3.366 x 1	3.366 x 1
<b>Total</b>	3.366	3.366	3.366

\*Exchange rate calculated @ 1 Euro= Rs. 73.0796

D2(b).	<b>Approved budget for visits</b>	<b>Euro 10.098</b>
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\* If it is an Indian student appointed in the French Lab, after one year of appointment, he/she will be supported to visit Indian PI's Lab for one month, once in their total duration of stay in France. CEFIPRA will bear the travel cost and will provide Rs.15,000/- as remuneration. This visit is in addition to the total visits sanctioned under the project.

The total cost of travel and remuneration will be within the sanctioned amount of euros 60.000.

  
 (PRANAV SHARMA)  
 Assistant Accounts Officer  
 Indo-French Centre for the  
 Promotion of Advanced Research  
 New Delhi





INDO FRENCH CENTRE FOR THE PROMOTION OF ADVANCED RESEARCH  
(IFCPAR)  
CENTRE FRANCO-INDIEN POUR LA PROMOTION DE LA RECHERCHE AVANCÉE  
(CEFIPRA)

Dr. Mukesh Kumar  
Director

No. IFC/5404-2/2015/ 1647  
December 9, 2015  
21

Dear Prof. Chakrabarti,

**Sub: Project No. 5404-2 "Glimpses Of New Physics"**

**Please give reference number as  
'PROJECT No. 5404-2' in all correspondences**

It gives me great pleasure to inform you that the project No. 5404-2 as above submitted jointly by **Prof. Gautam Bhattacharyya** of your institute and **Dr. Emilian Dudas**, Ecole Polytechnique, Palaiseau, was recommended by the Scientific Council of CEFIPRA and cleared by the Governments of India and France. While clearing the proposal, the Indian Government has stipulated the following conditions:

- a) **In case of the visit of foreign scientists to any restricted areas prior approval of concerned Government authorities such as Ministry of Home Affairs may be taken prior to such visit.**
- b) **In case of any exchange of biological material is required, the Indian PI should take prior approval of the concerned Government Agency, such as National Bio Diversity Authority, ICMR, DBT as the case may be.**

Please find enclosed copy of the budget, as approved, which will be used for all releases of funds and project visits. The guidelines for the implementation of CEFIPRA project is also enclosed for your reference.

The funds for the 1<sup>st</sup> year budget will be released soon through bank transfer.

The official date of commencement of the project will be within one month from the date of release of funds to both the Indian and French sides. The PIs of the project can propose a mutually agreed starting date to CEFIPRA within one month of receipt of the fund.

With kind regards,

Yours sincerely,

  
(DR. MUKESH KUMAR)

- Encl:** 1. Copy of the approved budget  
2. Guidelines for implementation of the project

**Prof. Bikas K. Chakrabarti**

Director

Saha Institute Of Nuclear Physics (SINP)

Kolkata West Bengal

**Copy to: 1. Prof. Gautam Bhattacharyya**

Theory Division

Saha Institute of Nuclear Physics (SINP)

1/AF Bidhan Nagar, Kolkata 700064

2. Prof. Sudhir Vempati

Centre for High Energy Physics

Indian Institute of Science

Bangalore 560012

3.7.1

Name of the collaborating agency with contact details	Name of the participant	Year of collaboration	Duration	Nature of the activity	Total Grant in Rs.	
Ecole Polytechnique, Palaiseau and LPT, Orsay, Univ. of Paris Sud. E-mail: emilian.dudas@polytechnique.edu	Prof. Gautam Bhattacharyya	2016	3 years	Theoretical Particle Physics and Cosmology	13,71,796/=	SINP
The University of Burdwan	Prof. Sandip Sarkar	2019	3 Years	Biotechnology	Participation as Co-PI, No grant received at SINP	SINP
International collaboration with six countries including India. The experiment is at SNOLab, Sudbury, Canada	Dr. Mala Das	2014	5 years	Astro-particle Physics	32,40,000 x 3 = 97,20,000 (2014-2017)	SINP

Partha Saha  
19/8/2020

**Prof. Partha Saha**  
Dean-Academic  
Life and Chemical Sciences  
Saha Institute of Nuclear Physics, Kolkata  
HOMI BHABHA NATIONAL INSTITUTE  
Anushaktinagar, Mumbai, INDIA

Prakash Mathews  
19/8/2020

**Prof. Prakash Mathews**  
Dean – Academic (SINP),  
Physical Sciences  
for Homi Bhabha National Institute (HBNI)

Gautam Bhattacharyya  
19/8/20



प्रो. गौतम भट्टाचार्या / Prof. Gautam Bhattacharyya  
निदेशक / Director  
साहा इंस्टिट्यूट ऑफ न्यूक्लियर फिजिक्स  
SAHA INSTITUTE OF NUCLEAR PHYSICS  
1/ए एफ, बिधाननगर, कोलकाता - 700 064  
1/AF, Bidhan Nagar, Kolkata - 700 064

3.2.1 Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years (INR in Lakhs) (3)

3.2.2 Grants for research projects sponsored by the government sources during the last five years ((INR in Lakhs)) (12)

3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years (5)

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co Investigator	Name of the Funding agency	Type (Government/ Non-Government)	Department of Principal Investigator/ Co Investigator	Year of Award	Funds provided (INR in lakhs)	Duration of the project
J. C. Bose Fellowship	Naba Kumar Mondal	DST	Government	Physical Sciences	2010	47.75	8
J. C. Bose Fellowship	Bikash K. Chakrabarti	DST	Government	Physical Sciences	2012	59.72	7
Ramalingaswami Fellowship: Proyl Isomerization as a novel mode to regulate chromatin function	Chandrima Das	DBT	Government	Life Sciences	2012	31.43	5
Ramanujan Fellowship	Koushik Dutta	DST	Government	Physical Sciences	2012	34.85	5
Structure based ..... K and S	Sumana Roy	DST	Government	Life Sciences	2014	25.08	3
A putative chromatin reader ZMYND8 and its role in neuronal differentiation	Chandrima Das	DST	Government	Life Sciences	2015	35.67	3
Self-organized ..... Sputtering	Debabrata Ghose	CSIR	Government	Physical Sciences	2015	7.02	4
Ramanujan Fellowship	Indrani Das	DST	Government	Physical Sciences	2015	45.77	5
Fabrication ..... measurement	Munmun Bardhan	DST	Government	Life Sciences	2015	36.13	3
Experimental .... Plasmas	Nikhil Chakraborty	DST	Government	Physical Sciences	2015	15.75	4
Studies .... Matter	Radhey Shyam	DST	Government	Physical Sciences	2015	14.98	3
Freezing .... atoms	Shrabona Chakraborti	DST	Government	Physical Sciences	2015	24.23	3
Glimpses ... physics	Gautam Bhattacharyya	IFCPAR	Government	Physical Sciences	2016	13.87	3
Ramanujan Fellowship	Sangram Bagh	DST	Government	Life Sciences	2016	11.31	5
Ramanujan Fellowship	Haridas Pai	DST	Government	Physical Sciences	2016	23.37	5

*Prasanna Saha*  
25/8/2020

*Mr. J. K. Saha*  
25/8/2020

Myopathic mutations in .... landscape	Kaushik Sengupta	DST	Government	Life Sciences	2016	15.31	3
Raja Ramanna Fellowship	Naba Kumar Mondal	DAE	Government	Physical Sciences	2016	23.39	2
Inspire Faculty Award	Rudranil Basu	DST	Government	Physical Sciences	2016	27.55	3
Ramamujan Fellowship	Soumen K. Manna	DST	Government	Life Sciences	2016	14.78	5
Structural .... c-di-GMP	Udayaditya Sen	DST	Government	Life Sciences	2016	7.24	3
Investigation of complex .... validation by modeling	A. N. Sekhar Iengar	DST	Government	Physical Sciences	2017	0.97	3
Activity .... plaques	Debashis Mukhopadhyay	DBT	Government	Life Sciences	2017	3.45	2
J. C. Bose Fellowship	Gautam Bhattacharyya	DST	Government	Physical Sciences	2017	11.68	5
Structural Dynamics of the Voltage Sensor during Lipid-Dependent Gating in Potassium Channels	H. Raghuraman	DST	Government	Life Sciences	2017	9.95	3
Isovector splitting .... empirical data	Jadunath De	DST	Government	Physical Sciences	2017	6.93	3
J. C. Bose Fellowship	Milan Kr. Sanjal	DST	Government	Physical Sciences	2017	8.94	5
Development of .... infection	Dulal Senapati	DBT	Government	Life Sciences	2017	19.43	3
Understanding ERAD tuning and its regulation of ER-mitochondria interactions	Oishee Chakraborty	DST	Government	Life Sciences	2017	5.59	3
Studying .... B-spectrin	Sansa Dutta	DST	Government	Life Sciences	2017	11.20	3
Raja Ramanna Fellowship	Pijushpani Bhattacharjee	DRDO, LSRB	Government	Physical Sciences	2018	9.78	1
Structural dynamics associated with magnesium transport across membranes	H. Raghuraman	DBT-Wellcome Trust	Government	Life Sciences	2018	360.00	5

Prof. Partha Saha  
25/5/2020

  
25/8/2020

**Prof. Partha Saha**  
Dean-Academic  
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**Prof. Parakash Mathews**  
Dean - Academic (SINP),  
Physical Sciences  
for Homi Bhabha National Institute (HBNi)