

SB/S2/JCB-067/2016

विज्ञान और इंजीनियरी अनुसंधान बोर्ड

(विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार के अंतर्गत एक सांविधिक निकाय)

5 और 5ए, निचला भू-तल, वसंत स्क्वियर मॉल, वसंत कुंज, नई दिल्ली - 110070

5 & 5A, Lower Ground Floor,
Vasant Square Mall,
Plot No. A, Community Centre,
Sector-B, Pocket-5,
Vasant Kunj,
New Delhi-110070

Dated: 25th August, 2017

ORDER

Subject: - The J.C. Bose Fellowship award to Prof. Subrata Sinha, Director, National Brain Research Centre (NBRC), Gurgaon - 122050, Haryana - Release of Grant.

In continuation of SERB/DST's Sanction Order Number "SB/S2/JCB-067/2016 dated 03-02-2017" and subsequent orders to the above mentioned fellowship, SERB hereby accords for the payment of Rs.15,00,000/- (Rupees Fifteen lakh only) under recurring head (Grant-in-aid General) as the grant of the year 2017-2018 for the above said J. C. Bose Fellowship and Carry forward of Rs.4,51,786/- (Rupees Four lakh fifty one thousand seven hundred eighty six only) from the year 2016-2017 to be spent during the year 2017-2018 is also approved.

2. Sanction of the grant is subject to the condition as detailed in Terms & Conditions available at website (www.serb.gov.in).

3. It is certified that provision of 212 relating to the UCs for the funds released earlier to this project have been satisfied and the UC is enclosed.

4. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER). This release is being made under J C Bose fellowship.

5. The sanction has been issued with the approval of competent authority under delegated powers and vide Diary No. SERB/F/5086/2017-18 dated 21-08-2017.

6. The amount of Rs.15,00,000/- (Rupees Fifteen lakh only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their bank details given below:

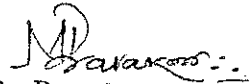
Account Name	National Brain Research Center
Account Number	056010100453998
Bank Name & Branch	Axis bank Ltd. SCO-29, Sec-14, Gurgaon-122001
IFSC/RTGS Code	UTIB0000056
Email Address of PI	director@nbrc.ac.in; subrata.sinha@nbrc.ac.in; admin@nbrc.ac.in
Email Address of Concerned Officer	p.mohantv@serb.gov.in

7. The Institute will maintain separate audited accounts for the project. It is advisable to keep a part or whole of the grant in an interest earning bank account. The interest thus earned should be reported to the SERB and will be treated as a credit to the institute to be adjusted towards further installment of grant.



Contd...

8. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.
9. The institute will furnish to the SERB, New Delhi, Utilization Certificate and an audited statement of account pertaining to the grant immediately after the end of each financial year.
10. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.
11. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/ program funded by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India.

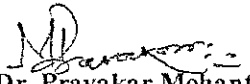

(Dr. Pravakar Mohanty)
Scientist- C

To,
Finance & Budget Officer,
SERB, New Delhi.

Copy forwarded for information and necessary action to: -

1. The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi - 110002
2. Sanction Folder, SERB New Delhi.
3. File copy.
4. Prof. Subrata Sinha,
Director,
National Brain Research Centre (NBRC),
NH-8, Near NSG Campus, Nainwal Mode, Manesar,
Gurgaon - 122050, Haryana.

- Kindly send receipt of the grant by post .


(Dr. Pravakar Mohanty)
Scientist- C

No. BT/HRD/35/01/02/2014
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block No. 2, 6-8th Floors
CGO Complex, Lodi Road,
New Delhi - 110 003

Dated: 01.05.2015

ORDER

Sanction of the President of India is hereby accorded under Rule 18 of the delegation of Financial Powers Rules, 1978, for the implementation of the project titled "**microRNAs as a potential therapeutic target in Neuro tropic Viral infection**" by Dr. Anirban Basu, Scientist V, National Brain Research Centre, Manesar, Gurgaon-122051, Haryana, at a total cost of Rs. 27.00 lakhs (Rupees Twenty seven lakhs only) for his Tata Innovation Fellowship programme on the terms and conditions detailed here under:-

2.0 The Project

2.1 Project Title: "**microRNAs as a potential therapeutic target in Neuro tropic Viral infection**"

2.2 Investigator

2.3 Name of the Awardee: Dr. Anirban Basu,
Scientist V,
National Brain Research Centre,
Manesar, Gurgaon-122051, Haryana

Project Objectives:

1. Neurotropic viruses have been evidenced to replicate and complete their life cycles within neurons. Our primary goal will be to identify the neuronal miRNAs which either facilitate or block other neuronal metabolisms to help the viral replication within neurons.
2. Selective blocking of the miRNAs to terminate the viral replication in brain. For this purpose we will be utilizing morpholino mediated delivery of RNAi in brain.

2.4 Time Schedule

The duration of the project is 3 years w.e.f. 1st April, 2015.

2.5 Fellowship Amount

(Rs. in Lakhs)

S.N.	Head	1 st Yr.	2 nd Yr.	3 rd Yr.	Total
1	Fellowship @ Rs 25,000/- per month.	3.00	3.00	3.00	9.00
2	Contingency @ Rs 6.00 lakhs per year.	6.00	6.00	6.00	18.00
	Total	9.00	9.00	9.00	27.00

The contingency grant may be utilized for the purchase of consumables, equipment, international and domestic travel, engaging manpower and other contingent expenditure to be incurred in connection with the implementation of the project.

Accepted

3. Budget Head

The expenditure involved is debitable to:

Demand No. 88	: Department of Biotechnology
3425	: Other Scientific Research 2015-16
3425.60	: Others
3425.60.200	: Assistance to other Scientific Bodies (Minor Head)
3425.60.200.17	: Human Resource Development
3425.60.200.17.08	: Human Resource Development Programmes
3425.60.200.17.08.31	: Grants in Aid General

4. The Accounts of the grantee institution shall be open to inspection by the sanctioning authority/ audit.
5. The other terms and conditions of this sanction are attached at Annexure-I.
7. This issues under the powers delegated to this Department and with the concurrence of IFD vide their SAN No. 102/IFD/SAN/372/2015-16 dated 01.05.2015.

Accountant

(Dr. A. K. Rawat)
Director

To,

The Pay & Accounts Officer,
Department of Biotechnology,
New Delhi - 110003

Copy forwarded for information/ necessary action to:

1. The Principal Director of Audit (Scientific Departments), AGCR Building, IP Estate, New Delhi - 110 002.
2. Cash Section, DBT (2 copies).
3. IFD, DBT.
4. Dr. Anirban Basu, Scientist V, National Brain Research Centre, Manesar, Gurgaon-122051, Haryana.
5. The Director, National Brain Research Centre, Manesar, Gurgaon-122051, Haryana.
6. Sanction Folder.
7. Project Registry, BTIC.

Accountant

(Dr. A. K. Rawat)
Director

No. BT/HRD/35/01/05/2014
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block No. 2, 6-8th Floors
CGO Complex, Lodi Road,
New Delhi - 110 003

Dated: 25.05.2015

ORDER

Sanction of the President of India is hereby accorded under Rule 18 of the delegation of Financial Powers Rules, 1978, for the implementation of the project titled **"Non-invasive Imaging Technology Development to aid Differential Diagnosis of Alzheimer, Dementia with Lewy body and Parkinson Disease from Brain Glutathione Quantitation and pH Mapping"** by Prof. Pravat Kumar Mandal, Scientist-VI, National Brain Research Centre Manesar, Gurgaon, Haryana-122051 at a total cost of Rs. 27.00 lakhs (Rupees Twenty seven lakhs only) for his Tata Innovation Fellowship programme on the terms and conditions detailed here under:-

2.0 The Project

2.1 Project Title: "Non-invasive Imaging Technology Development to aid Differential Diagnosis of Alzheimer, Dementia with Lewy body and Parkinson Disease from Brain Glutathione Quantitation and pH Mapping"

2.2 Investigator

2.3 Name of the Awardee: Prof. Pravat Kumar Mandal,
Scientist-VI,
National Brain Research Centre
Manesar, Gurgaon, Haryana

Project Objectives:

1. Longitudinally quantify and correlate the following measures in elderly healthy subjects, as well as Alzheimer's Disease (AD), Parkinson's Disease (PD) and Dementia with Lewy Bodies (DLB) subjects.
 - a) GSH (Glutathione) levels in Hp and SN with MEGA-PRESS MRS.
 - b) pH of Hp and SN with ³¹PMRS.
 - c) Structural atrophy of Hp and SN using high resolution structural MRI.
2. Statistical analysis to understand the correlation between the above measures and each ND severity.

2.4 Time Schedule

The duration of the project is 3 years w.e.f. 1st April, 2015.

Pravat Kumar Mandal

2.5 Fellowship Amount

S.N.	Head	1 st Yr.	2 nd Yr.	3 rd Yr.	Total
1.	Fellowship @ Rs 25,000/- per month.	3.00	3.00	3.00	9.00
2.	Contingency @ Rs 6.00 lakhs per year.	6.00	6.00	6.00	18.00
	Total	9.00	9.00	9.00	27.00

The contingency grant may be utilized for the purchase of consumables, equipment, international and domestic travel, engaging manpower and other contingent expenditure to be incurred in connection with the implementation of the project.

3. Budget Head

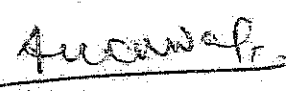
The expenditure involved is debitable to:

- | | |
|----------------------|--|
| Demand No. 88 | : Department of Biotechnology |
| 3425 | : Other Scientific Research 2015-16 |
| 3425.60 | : Others |
| 3425.60.200 | : Assistance to other Scientific Bodies (Minor Head) |
| 3425.60.200.17 | : Human Resource Development |
| 3425.60.200.17.08 | : Human Resource Development Programmes |
| 3425.60.200.17.08.31 | : Grants in Aid General |

4. The Accounts of the grantee institution shall be open to inspection by the sanctioning authority/ audit.

5. The other terms and conditions of this sanction are attached at Annexure-I.

7. This issues under the powers delegated to this Department and with the concurrence of IFD vide their SAN No. 102/IFD/SAN/545/2015-16 dated 15.05.2015.


(Dr. A. K. Rawat)
Director

Dated: 29th June, 2016.

ORDER

Sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978, for the implementation of the Project proposal entitled “**Role of default mode brain network in normal cognitive functions.**” by **Dr. Dipanjan Roy, Centre of Behavioural and Cognitive Sciences, Senate Campus, University of Allahabad, Allahabad-211002** at a total cost of Rs. 88.00 lakhs (Rupees Eighty eight Lakhs only) as a part of his Ramalingaswami Fellowship 2014-15 w.e.f. 26th May, 2016 on the terms and conditions detailed as per under:-

2.0 The Project

2.1 Project Title: “Role of default mode brain network in normal cognitive functions.”

2.2 Investigator

Name of the Awardee : **Dr. Dipanjan Roy**
Centre of Behavioural and Cognitive Sciences,
Senate Campus, University of Allahabad,
Allahabad-211002

Objectives

1. Classification of large scale correlated and anti-correlated functional resting brain networks using statistical techniques.
2. Large scale modeling to understand suppression in default mode networks.
3. Interaction between default mode and remaining cognitive networks
4. Information capacity and efficiency in default mode and goal directed networks.

2.3 Time Schedule

The duration of the fellowship is 5 years w.e.f. 26th May, 2016.

2.4 Fellowship Amount

(Rs. in Lakhs)

	1 st Yr.	2 nd Yr.	3 rd Yr.	4 th Yr.	5 th Yr.	Total
Fellowship@ Rs.85,000/ p.m (consolidated)	10.20	10.20	10.20	10.20	10.20	51.00
Research/Contingency grant	10.00	7.50	5.00	5.00	5.00	32.50
HRA @ Rs. 7,500 p.m. consolidated	0.90	0.90	0.90	0.90	0.90	4.50
Total	21.10	18.60	16.10	16.10	16.10	88.00

2.5 The contingency/research grant may be utilized for the purchase of consumables, minor equipment, international and domestic travel, engaging manpower and other contingent expenditure to be incurred in connection with the implementation of the project.

3. a) If the host institute is providing free accommodation, no House Rent Allowance (HRA) is admissible and same needs to be refunded to the department.

b) If the host institute is deducting HRA and license fee for the accommodation provided, then the same may be recovered from the HRA being paid to the fellow. However, reimbursement

shall be limited to the HRA being paid by DBT. Excess recovery, if any, has to be made by the host institute directly from the fellow.

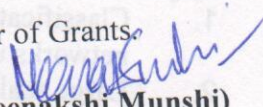
4. As regards the medical benefits, host institute may consider giving medical benefits from their own resources at level of Scientist 'D' as applicable to their regular faculty
5. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate of ten per cent per annum thereon shall be recovered.

6. Budget Head

The expenditure involved is debitable to

Demand No. 79	:	Department of Biotechnology
3425	:	Other Scientific Research (2016-2017)
3425.60	:	Other (Sub Major Head)
3425.60.200	:	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	:	Biotechnology Research and Development
3425.60.200.29.17	:	Assistance for Research and Development
3525.60.200.29.17.31	:	Grants-in-aid General

7. The Accounts of the grantee institution shall be open to inspection by the sanctioning authority/ audit.
8. The Registrar, University of Allahabad, Allahabad-211002 is requested to furnish to this Department 'Utilization Certificate' and an audited 'Statement of Expenditure' at the end of the year.
9. This issues under the powers delegated to this Department and with the concurrence of IFD vide their SAN No. 102/IFD/SAN/1307/2016-17 dated:29-6-2016.
10. This sanction order has been noted at Serial No. _____ in the Register of Grants.

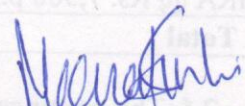

(Meenakshi Munshi)
Director/Scientist 'F'

To,

The Pay & Accounts Officer
Department of Biotechnology
New Delhi -110003

Copy forwarded for information/ necessary action to:

1. The Principal Director of Audit (Scientific Departments), AGCR Building, IP Estate, New Delhi – 110 002.
2. Cash Section, DBT (2 copies)
3. IFD, DBT
4. Dr. Dipanjan Roy, Centre of Behavioural and Cognitive Sciences, Senate Campus, University of Allahabad, Allahabad-211002.
5. The Registrar, University of Allahabad, Allahabad-211002.
6. The Finance Officer, University of Allahabad, Allahabad-211002
7. Sanction Folder


(Meenakshi Munshi)
Director/Scientist 'F'

No. BT/RLF/Re-entry/07/2014
Government of India
Ministry of Science & Technology
Department of Biotechnology

Block No. 2, 6-8th Floors
CGO Complex, Lodi Road,
New Delhi - 110 003.

Dated: 29th June, 2016.

ORDER

In continuation of this Department's sanction order of even number dated: 29th June, 2016 sanction of the President is hereby accorded under Rule 18 of the Delegation of Financial Power Rules, 1978, for the release of an amount of **Rs. 21.10 lakhs (Rupees Twenty One Lakhs Ten Thousand only)** to The Registrar, University of Allahabad, Allahabad-211002 being the first installment of Ramalingaswami Re-entry Fellowship (2014-15) awarded to **Dr. Dipanjan Roy, Centre of Behavioural and Cognitive Sciences, Senate Campus, University of Allahabad, Allahabad-211002** for the implementation of the project proposal entitled "**Role of default mode brain network in normal cognitive functions.**" as per the details given below:-

Fellowship Amount

(Rs. in Lakhs)

S.No.	Head	Released Amount*
1.	Fellowship	10.20 @ Rs.85,000/ p.m (consolidated)
2.	Contingency/Research Grant	10.00
3.	HRA	0.90 Rs. 7,500/- p.m consolidated
	Total	21.10

* **The release is made under recurring heads**

2. The other terms and conditions of the grant shall remain unaltered.
3. The Accounts of the grantee institution shall be open to inspection by the sanctioning authority/ audit.
4. It is certified that this being the first release no UC/SE pertaining to grants released under this programme is pending with the institute.
5. a) If the host institute is providing free accommodation, no House Rent Allowance (HRA) is admissible and same needs to be refunded to the department.
b) If the host institute is deducting HRA and license fee for the accommodation provided, then the same may be recovered from the HRA being paid to the fellow. However, reimbursement shall be limited to the HRA being paid by DBT. Excess recovery, if any, has to be made by the host institute directly from the fellow.
6. As regards the medical benefits, host institute may consider giving medical benefits from their own resources at level of Scientist 'D' as applicable to their regular faculty.
8. The amount of **Rs. 21.10 lakhs (Rupees Twenty One Lakhs Ten Thousand only)** will be drawn by Drawing and Disbursing Officer, DBT from the Pay and Accounts Officer, DBT and disbursed to **The Finance Officer, University of Allahabad, Allahabad-211002** and disbursed through RTGS as per following details:

BANK ACCOUNT DETAILS

- | | | | |
|-------|-------------------|---|----------------------|
| (i) | Bank Name | : | Punjab National Bank |
| (ii) | Bank Account No. | : | 1001000100717680 |
| (iii) | IFSC Code | : | PUNB0100100 |
| (iv) | 9 digit MICR Code | : | 211024004 |

[Handwritten Signature]

9. As per Rule 211 (1) of GFR, the Accounts of all grantee institution shall be open to inspection by the sanctioning authority/ audit, whenever the institution is called upon to do so.
9. In case the whole or a part of the amount of the grant-in-aid is being refunded, an interest at the rate of ten per cent per annum thereon shall be recovered.

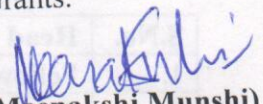
10. **Budget Head**

The expenditure involved is debitable to

Demand No.79	:	Department of Biotechnology
3425	:	Other Scientific Research (2016-2017)
3425.60	:	Other (Sub Major Head)
3425.60.200	:	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	:	Biotechnology Research and Development
3425.60.200.29.17	:	Assistance for Research and Development
3425.60.200.29.17.31	:	Grants-in-aid General

11. This issue under the powers delegated to this Department and with the concurrence of IFD vides their **SAN No. 102/IFD/SAN/1308/2016-17 dated:29-6-2016.**

12. This sanction has been noted at serial no. _____ in the Register of Grants.

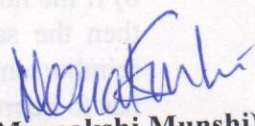

(Meenakshi Munshi)
Director/Scientist 'F'

To,

The Pay & Accounts Officer
Department of Biotechnology
New Delhi -110003

Copy forwarded for information/ necessary action to:

1. The Principal Director of Audit (Scientific Departments), AGCR Building, IP Estate, New Delhi - 110 002.
2. Cash Section, DBT (2 copies)
3. IFD, DBT
4. Dr. Dipanjan Roy, Centre of Behavioural and Cognitive Sciences, Senate Campus, University of Allahabad, Allahabad-211002.
5. The Registrar, University of Allahabad, Allahabad-211002.
6. The Finance Officer, University of Allahabad, Allahabad-211002
7. Sanction Folder


(Meenakshi Munshi)
Director/Scientist 'F'

BANK ACCOUNT DETAILS

- (i) Bank Name
- (ii) Bank Account No.
- (iii) IFSC Code
- (iv) 9 digit MICR Code