

No. BT/PR20699/MED/30/1748/2016
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Block 2, 6-8th Floors
CGO Complex, Lodhi Road,
New Delhi- 110 003
Dated: 19/01/2018

ORDER

Sanction of the President is hereby accorded, under Rule 18 of the Delegation of Financial Powers Rules, 1978, for the implementation of the project entitled: "**Study on the role of TLR-4 signaling in breast cancer progression**" for a period of 3 Year 0 Month at a total cost of Rs. **8130600** (Rupees Eighty One Lakhs Thirty Thousand Six Hundred Only) on the terms and conditions detailed here under:-

2 The Project :

2.1 Title : "**Study on the role of TLR-4 signaling in breast cancer progression**"

2.2 Details of the Investigators:

Dr. Anupam Basu
ASSOCIATE PROFESSOR
Centre for Molecular Biology and
Human Genetics,
The University of Burdwan
Department of Zoology, Golapbag,
Durgapur West Bangal, West Bengal,
713104

CO-PI:

Dr. Ashim Mukhopadhyay
Associate Professor
Department of molecular and Human Genetics
Banaras Hindu University
Department of Molecular & Human Genetics
Banaras Hindu University, Varanasi India,
221005, Uttar Pradesh

2.3 Objectives:

1. Effect of TLR4 stimulation on the proliferation of different types of breast cancer cells cultured alone and in co-cultured with macrophage.
2. Effect of TLR4 stimulation on the EMT changes and invasiveness of breast cancer cells cultured alone and in co-cultured with macrophage
3. Effect of TLR4 stimulation on the intracellular proinflammatory and inhibitory cytokine production and signalling thereof at different types of breast cancer cells and macrophages.

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2.4 Time Schedule:

The duration of the project is 3 Year 0 Month from the date of this sanction order.

2.5 Project Cost:

The total cost of the project is Rs. **8130600/-** (Rupees Eighty One Lakhs Thirty Thousand Six Hundred Only) as per details given below :

Budget Head	Year I	Year II	Year III	Total (Rs.)
Equipment	4431000.00			4431000.00
Manpower	330000.00	430000.00	249600.00	1009600.00
Overhead	50000.00	50000.00	50000.00	150000.00
Contingency	20000.00	20000.00	20000.00	60000.00
Travel	20000.00	20000.00	20000.00	60000.00
Consumables	800000.00	800000.00	800000.00	2400000.00
Total (Rs.)	5651000.00	1220000.00	1259600.00	8130600.00

2.6 Equipment:

The details of the equipment sanctioned for the implementation of the project at Annexure-I

2.7 Manpower:

The details of the manpower sanctioned for the implementation of the project at Annexure-II

3. Head of Account:

The Non-Recurring expenditure involved is debitable to:

Demand No. 85	Department of Biotechnology
3425	Other Scientific Research 2017-2018
3425.60	Others (Sub Major Head)
3425.60.200	Assistance to other Scientific Bodies (Minor Head)
3425.60.200.29	Biotechnology Research and Development, Human Resource Development, Research Resources and Facilities
3425.60.200.29.17	Assistance for Research and Development
3425.60.200.29.17.35	Grants for creation of capital assets