

File No. BT/S67/NE/U-Excel/2016
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
(NER BPMC)

Block-2, 7th Floor,
CGO Complex, Lodhi Road
New Delhi-110003
Dated: 3/13/2017

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 under 'DBT's U-Excel Program for the NE' titled 'Investigations into the potential of activating the amp-activated kinase (ampk) for amelioration of betel nut-induced carcinogenesis.' at a total cost of ₹ 115.272 lakhs (Rupees One Crore Fifteen Lakhs and Twenty Seven Thousand Two Hundred only) for a period of three years, on the terms and conditions detailed as under:

2.0 The Project:

2.1 Project Title: Investigations into the potential of activating the amp-activated kinase (ampk) for amelioration of betel nut-induced carcinogenesis.

2.2 Project Investigators

2.2.1 Principal Investigator: Dr. Yashmin Choudhury
Assistant Professor,
Assam University,
Silchar - 788011
Assam

2.3 Objectives:

- To determine whether activation of the AMP-activated kinase (AMPK) can restore the normal lipid profile of mice treated with an aqueous extract of betel-nut (AEBN).
- To determine whether activation of AMPK in mice treated with AEBN can exert anti-cancer effects and restore cells/ tissues to a normal state.
- To determine whether activation of AMPK induces apoptosis and/or cytotoxicity in pre-neoplastic/ neoplastic lesions of mice treated with AEBN.
- To determine whether activation of AMPK can enhance the efficacy of common chemotherapeutic agents in the treatment of AEBN-induced cancer in mice.

2.4 Time Schedule:

The duration of the project is Three Years from the date of issue of sanction order.

Y Choudhury
Yashmin Choudhury, Ph.D
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1 of 4

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