

Monthly Report for February 2019
Department of Biochemistry
University of Delhi South Campus

Achievements

1. Honors and distinctions

Student Awards:

Yama Atri, 2019, Local / University, **Best Banner Award**. 8th National Science Day Symposium, 27-28 February 2019, University of Delhi South Campus, New Delhi.

Simran Mak, 2019, **Best Poster Presentation Award**. Peroxisome Proliferator Activated Receptor Gamma Sensitizes Non-Small Cell Lung Carcinoma to Gamma Irradiation. International Symposium on Tumor Microenvironment and Cancer Prevention & Therapeutics, 08-09 February, 2019, School of Life Sciences, Jawaharlal Nehru University, New Delhi.

Yama Atri, 2019, Local / University, **Best Poster Presentation Award**. Ubiquitin ligase, Cullin4A with an impact in cervical carcinogenesis. 8th National Science Day Symposium, 27-28 February 2019, University of Delhi South Campus, New Delhi.

First Prize / Best poster award - Sanjay Kumar Dey, Pankaj Prabhakar, Vikash Kumar Panchal, Manisha Saini, BK Thelma, CC Kartha, Subir K Maulik and Suman Kundu. (2019) "Inhibitors of dopamine- β -hydroxylase identified by structure based methods prevented elevated systolic blood pressure and cardiac hypertrophy in rat models." 7th Symposium on the "Current trends in drug discovery research 2019" organized by CSIR-Central Drug Research Institute, Lucknow, India, during 20th-23rd February, 2019.

Third Best Poster Award - Sanjay Kumar Dey, Pankaj Prabhakar, Vikash Kumar Panchal, Manisha Saini, BK Thelma, CC Kartha, Subir K Maulik and Suman Kundu. (2019) "Inhibitors of dopamine-beta-hydroxylase identified by structure assisted novel therapeutic design prevented elevated systolic blood pressure and cardiac hypertrophy in rat models." International Symposium on "Structure Assisted Design on Novel Therapeutics 2019" organized by the Regional Center for Biotechnology (RCB), Faridabad, India during 12th-16th February, 2019.

CC Kartha Travel Award - Manisha Saini at International Conference on Translational Research in Cardiovascular Sciences; Annual Conference of International Academy of Cardiovascular Sciences (India Section), 15th-17th February 2019, Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bangalore.

CC Kartha Travel Award - Gaurav Kumar at International Conference on Translational Research in Cardiovascular Sciences; Annual Conference of International Academy of Cardiovascular Sciences (India Section), 15th-17th February 2019, Sri Jayadeva Institute of Cardiovascular Sciences and Research, Bangalore.

Pradeep Singh Cheema, 2019, **Selected for Oral Presentation**. A promising anti-cancer therapy through small molecule mediated inhibition of FoxM1 in cervical carcinoma. International Symposium on Tumor Microenvironment and Cancer Prevention & Therapeutics, 08-09 February, 2019, School of Life Sciences, Jawaharlal Nehru University, New Delhi. (Poster was also presented.)

2. Research Projects / Publications including books / Patents / Technology Transfer / Industrial Collaboration

Publications

Bharti, H., Singal, A., Raza, M., Ghosh, P.C., and Nag, A. (2019). Ionophores as Potent Anti-malarials: A Miracle in the Making. *Current topics in medicinal chemistry*, 18(23), 2029-2041.

Arya, R., Sharma, B., Dhembala, C., Pal, R.K., Patel, A.K., Sundd, M., Ghosh, B., Makde, R.D., Kundu, S. (2019). A conformational switch from a closed apo- to an open holo-form equips the acyl carrier protein for acyl chain accommodation. *BBA - Proteins and Proteomics* 1867, 163-174.

Patents :

“A Novel Anti-hypertensive Cardio-protective Composition”, **Suman Kundu**, Sanjay Kumar Dey, B.K. Thelma, G. Kovuru, S.K. Maulik, Pankaj Prabhakar, Manisha Saini, Indian Patent Filed (ID 20181100589), February 12, 2019.

“Novel anti-malarial liposomal formulation”, **Prahlad Chandra Ghosh, Alo Nag**, Mohsin Raza, Aakriti Singal and Hina Bharti, Final Indian patent submitted (ID 201711016131), February 15, 2018. Form 16 and examination fee was submitted for further processing on February 06, 2019.

3. *Seminars/Conferences/Workshops Organized*

"Enjoying a Three-Way Marriage: A Story of Maths, Biology and Medicine", Dr. Anurag Agrawal, Director, CSIR-IGIB, New Delhi, 22nd February 2019 (**Seminar**).

4. *International collaborations including students exchange*

None

5. *Extension and outreach activities and any other significant achievements/activity*

None

For Patent Cell:

A Complete after Provisional Application (CAP) for the invention entitled "A Novel Anti-hypertensive Cardio-protective Composition " with **Suman Kundu**, Sanjay Kumar Dey, B.K. Thelma, G. Kovuru, S.K. Maulik, Pankaj Prabhakar, Manisha Saini as the Inventors and the University of Delhi/ UDSC as the applicant bearing No. 20181100589 on date February 13, 2019 was filed.