

FACULTY ACADEMIC PROFILE/ CV

Full name of the faculty member: DR. SUNIT KUMAR CHAKRABORTY

Designation: Assistant Professor

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Department of Zoology,

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Academic qualifications:

College/ University from which the degree Was obtained	Abbreviation of the degree
University of Calcutta	B.Sc.(Hons.) in Zoology
H.N. Bahuguna Garhwal University	M.Sc. in Zoology
Jadavpur University	PhD. in Science
University of California, San Diego (UCSD), USA	Post Doctorate
National Institutes of Health (NIH), USA	Post Doctorate

Teaching experience:

Institution	Nature of Job	Duration
Narasinha Dutt College, Howrah	Guest Lecturer	Sept. 2011 to Oct. 2019
Raja Rammohun Roy Mahavidyalaya, Hooghly	Assistant Professor	Nov. 2019 to till date

Title of the thesis: Purification and Characterization of Glutaminase enzyme from mammalian source and its role in malignancy.

Research interest:

1. Prostate cancer biology
2. Phosphorylation
3. Cell signalling

Fellowship Awarded:

- 1) **Visiting Postdoctoral fellowship** awarded by National Institutes of Health (NIH), USA.
- 2) **Research Associate** at Chittaranjan National Cancer Institute (CNCI), Calcutta awarded by Council of Scientific & Industrial Research (CSIR), Govt. Of India.
- 3) **Visiting Postdoctoral Fellow** awarded by University of California, San Diego (UCSD), USA.
- 4) **Senior Research Fellow** at Indian Institute of Chemical Biology (IICB), Calcutta awarded by Dept. of Science & Technology (DST), Govt. of India.
- 5) **Senior Research Fellowship** at Indian Institute of Chemical Biology (IICB), Calcutta awarded by Indian Council of Medical Research (ICMR), Govt. of India.
- 6) **Research Assistant** at Chittaranjan National Cancer Institute (CNCI), Calcutta awarded by Indian Council of Medical Research (ICMR), Govt. of India.

Conferences attended and presented papers:

1. Presented paper in **NICHD branch lecture** on October 1, 2010 entitled “Complex Phosphorylation- dependent Regulation of Activity for Human DHT-Metabolizing UGT-2B15”.
2. Presented paper in **NIH Research Festival** on October 6- 9, 2009 entitled “Androgen- conjugating UDP- Glucuronosyltransferase-2B15 Requires PKC Phosphorylation, with c-Src Supporting its Activity”, **Sunit Chakraborty**, M. Basu, N. Basu, I. Owens (Poster# MOLBIO/ BIOCHEM/ BIOPHYS-8).
3. Attended lecture of **Dr. Roger D. Kornberg (2006 Nobel Laureate)** in an NIH Directors Wednesday Afternoon Lecture series event “ The Molecular Basis of Eukaryotic Transcription” , October 29, 2008 at NIH , USA
4. 6th International Symposium on Biochemical Roles of Eukaryotic Cell Surface Macromolecules organized by **Indian Institute of Chemical Biology , Calcutta , India .**
5. 12th Annual Conference of The Physiological Society of India held at the **Regional Occupational Health Centre (E), Calcutta , India .**
6. 10th Annual Conference of The Physiological Society of India organized by Department of Physiology, Institute of Medical Sciences, **Banaras Hindu University (BHU), India .**
7. 17th Annual Convention of Indian Association for Cancer Research (IACR) hosted by **Chittaranjan National Cancer Institute, Calcutta, India.**
8. 9th Annual Conference of The Physiological Society of India organized by **Department of Biochemistry, Burdwan Medical College, Burdwan, India.**

Publications:

1. **Sunit K.Chakraborty**, Basu NK, Jana S, Basu M, Raychoudhuri A and Owens IS. PKC alpha and Src-kinase support human prostate-distributed dihydrotestosterone-metabolizing UDP-glucuronosyltransferase-2B15 activity. **JBC, Vol. 287, pp. 24387- 24396, July, 2012.**
2. Partha Mitra, Nikhil Basu, Mousumi Basu, **Sunit Chakraborty**, Tapas Saha, and Ida Owens. Regulated phosphorylation of a major UDP-glucuronosyltransferase isozyme by tyrosine kinases dictates endogenous

substrate- selection for detoxofication. **JBC, Vol. 286, No. 2, pp. 1639-1648, January 14, 2011.**

3. Maity P, **Chakraborty S** & Bhattacharya P (2000). Neovascularisation offers a new perspective to glutamine related therapy. **Indian Journal of Experimental Biology. 38, 88-90.**
4. Maity P, **Chakraborty S** & Bhattacharya P (2000). A General Survey of Glutamine Level in Different Tissues of Murine Solid Tumor Bearing Mice Before and After Therapy with Purified Glutaminase. **J.Exp.Clin. Cancer Res. 19, 2,161-164.**
5. Maity P, **Chakraborty S** & Bhattacharya P (1999). Angiogenesis-a Putative New Approach in Glutamine Related Therapy. **Pathology Oncology Research. 5, 4, 309-314.**
6. Maity P, **Chakraborty S**, Bhattacharya P & Sarkar R (1999). Isolation and Purification of Phosphate Dependent Glutaminase from Sarcoma-180 Tumor and its Antineoplastic Effects on Murine Model System. **J.Exp.Clin. Cancer Res. 18, 4, 475-480.**