


Profile of the Faculty Member

1.	Name of the Faculty member	Sudeshna Kar		
2.	Designation	Assistant Professor		
3.	Qualifications	Ph.D		
4.	State of Domicile	Delhi		
5.	Department & School	Dept. of Molecular Medicine, SIST		
6.	Details of Courses taught	<p>MSc Biomedical Sciences MFC 001 – Foundation Course BMS 101 – Stem Cell Biology BMS 201 – Bacteriology BMS 204 – Seminar Presentation BMS 303 – Principles of Immunology</p> <p>MPharm Pharmaceutical Biochemistry MPB 102 - Molecular and Cellular Biology MPB 202 - Immunotechnology</p>		
7.	Research Thrust Areas	Host-microbe interaction in the etiology of chronic diseases; Microbial peptides in neurodegenerative therapeutic research		
8.	Emails	sudeshna.kar@jamiahamdard.ac.in sudeshnaconnor@gmail.com		
PUBLICATIONS				
9.	Publications in peer reviewed National & International journals, Citations, H-index	<p>Google Scholar: https://scholar.google.com/citations?user=mtJs8UEAAAAJ&hl=en</p> <p>Scopus Author ID:</p> <p>ORCID: https://orcid.org/0000-0002-4991-9240</p>		
RESEARCH GRANTS AND CONSULTANCY PROJECTS				
14.	Number of research grants from govt. funding agencies as PI/Coordinator	<ul style="list-style-type: none"> Neuroprotective and Neuritogenic effects of a cell-permeable bacterial histone-mimic protein: Therapeutic Implications for Neurodegenerative Pathologies. EMR/2017/002311 PI – Dr. S. Kar, Co PI – Dr. S Ganguly (JH) and Dr. S Shukla (CDRI), 67.16 lakhs. Department of Science and Technology (2018 – 2021) 		

		<ul style="list-style-type: none"> Etiological linkage and transcription signature in commensal bacteria-mediated colorectal cancer, using a genetically engineered commensal E.coli as a tool. BT/PR5478/BRB/10/1078/2012 PI – Dr. S. Kar, Co PI – Dr. S Ganguly (JH) 48.758 lakhs. Department of Biotechnology (2014 – 2017) A pilot in vitro study to evaluate the oncolytic ability of an engineered E.coli for treating malignant glioblastoma. PI – Dr. S. Kar. 41.87 lakhs. Department of Biotechnology (2009 –2012)
15.	Number of research grants from govt. funding agencies as Co-PI	<ul style="list-style-type: none"> Studies to delineate the molecular nexus between systemic infection, serotonin biosynthesis and neurocognitive decline using chronic infection model in rodents. EMR/2017/002311; (PI – Surajit Ganguly, Co-PI- Sudeshna Kar, Rs 57.6 lakhs. Department of Science and Technology (2018 – 2021) Studies to decipher the mechanisms inducing disruption in hippocampal dopaminergic homeostasis by peripherally-restricted-bacterial infection. Proposal ID:2020-0762. PI- Surajit Ganguly, Co-PI - Sudeshna Kar. 49.3 Lakhs Indian Council of Medical Research (2021 - 2024)
RESEARCH SUPERVISION		
As Supervisor		
15.	Number of Ph.D. Guided	3
16.	Number of Master's theses/dissertations Guided	10
As Co-supervisor		
17.	Number of Ph.D. Guided	2
18.	Number of Master's theses/dissertations Guided	
PATENTS		
19.	Number of Patents Granted	2 (1 Indian, 1 International) <ul style="list-style-type: none"> A diagnostic kit for detecting Mycobacterium leprae. (Application # 202011010950) N Garg, FJ Ahmed

		<p>and S Kar.</p> <ul style="list-style-type: none"> Gene-cassette for enhancement of protein production. (PCT/US05/017001, WO 2005/11622) <p>S Kar and S Adhya</p>
PRESENTATIONS IN CONFERENCES AS SPEAKER/ RESOURCE PERSON		
20.	Number of presentations in National or International Conferences in India	<ul style="list-style-type: none"> Invited speaker CSIR International Synthetic Biology Symposium, New Delhi, 2010 Invited speaker at National Institute of Cholera and Enteric Diseases, Kolkata, 2008 Invited speaker, Centre for DNA Fingerprinting and Diagnostics, Hyderabad, India, January 20, 2007 Invited speaker at National Brain Research Centre, Manesar, 2007. Invited speaker at National Institute of Immunology, New Delhi, 2007
21.	Number of presentations in International Conferences abroad	<ul style="list-style-type: none"> Invited Speaker at Lambda Lunch Symposia on 'Bacterial Nucleoid: Where we stand now', NIH, USA, 2018 Invited Speaker at Keystone Symposia on Cellular Plasticity: Reprogramming, Regeneration and Metaplasia, Colorado, Denver, USA, 2015 Invited speaker at Physics Department, Mechanobiology Institute, National University of Singapore, Singapore 2012
NATIONAL AWARDS, HONOURS AND FELLOWSHIPS RECEIVED		
22.	<ul style="list-style-type: none"> CSIR-NET fellowship award for Senior Research Fellowship 1994 CSIR-NET fellowship award for doctoral research 1992 Jagadish Bose National Science Talent Search Award 1990 	
INTERNATIONAL AWARDS, HONOURS AND FELLOWSHIPS RECEIVED		
23.	<ul style="list-style-type: none"> Visiting Scientist Award at Laboratory of Biochemistry, NCI, NIH, USA 2018 Short term training award for studying "Effect of aberrant gut microbiota in intestinal inflammation" at NCI, NIH, USA 2010 Howard Hughes Institute Award of Excellence for NIH Internship program, NIH, USA 2005-2006, 2007-2008 Technology Transfer Award of National Cancer Institute, NIH - 2003 Outstanding Oral Presentation Award, Center for Cancer Research–Fellows and Young Investigators Association. CCR-FYI retreat, Ocean City, MD – 2002 Fogarty International fellowship at National Cancer Institute NIH, Maryland, USA - 1998 	
STAFF DEVELOPMENT/REFRESHER/SHORT TERM TRAINING PROGRAMME/WEBINARS ORGANIZED		

24.	Faculty Development Program on Teaching Learning Methodology and Classroom Management, 2017
MEMBER(S) OF NATIONAL COMMITTEES	
25.	Member, Committee on Stem Cell Research, Sir Ganga Ram Hospital, Delhi Member, Institutional Committee on Stem Cell Research and Therapy, Medanta Medicity, Gurgaon, Haryana

