

#	Faculty Name	Paper Title	Author list (SNU author in bold)	Journal Name	Date/Month/Year
1	Ashish Gupta	Cancer-associated mutation at glycine 400 in TIP60 disrupt its phase separation property and catalytic activity resulting in compromised DNA damage repair function of the cell	Gupta H, Singh A and Gupta A	BBRC	2025
2	Ashish Gupta	Post-translational modifications of epigenetic modifier TIP60: their role in cellular functions and cancer	Gupta H and Gupta A	Epigenetics and Chromatin	2025
3	Ashish Gupta	Autoacetylation-mediated phase separation of TIP60 is critical for its functions	Dubey S, Gupta H and Gupta A	eLife	2024
4	Deepak Sehgal	Redefining NSP12 activity in SARS-CoV-2 and its regulation by NSP8 and NSP7	Deepa Singh, Tushar Kushwaha, Rajkumar Kulandaiamy, Vikas Kumar, Kamal Baswal, Saras H. Tiwari, Arkadyuti Ghorai, Manoj Kumar, Saroj Kumar, Soumya De, Aparoy Polamarasetty, Deepak Sehgal, Madhumohan R. Katika, Suresh Gadde, Marceline Côté, Sarala R. Kayampeta, Mohan B. Appaiahgari, Krishna K. Inampudi	Molecular Therapy: Nucleic Acid	Jan-2025
5	Deepak Sehgal	Psoralidin acts as a dual protease inhibitor against PLpro and Mpro of SARS-CoV-2	Aditya Trivedi 1, Tushar Kushwaha 2, Ishani 1, Sudhanshu Vratı 3, Dharmender Gupta 3, Sarala Rani Kayampeta 4, Mohammad Khalid Parvez 5, Krishna Kishore Inampudi 2, Mohan Babu Appaiahgari 6 7, Deepak Sehgal 1	FEBS Journal	Jan-2025
6	Deepak Sehgal	AGC family kinase of Entamoeba histolytica: Decoding the members biochemically	Ahmad A, Kumar V, Kushwaha T, Kumar A, Sehgal D, Inampudi KK, et al.	PLoS Pathog	2024
7	Deepak Sehgal	In silico identification of chikungunya virus replication inhibitor validated using biochemical and cell-based approaches	Meenakshi Chaudhary1,* , Akash Kumar1, Kiran Bala Sharma2, Sudhanshu Vratı2 and Deepak Sehgal 1	FEBS Journal	Jan-2024
8	Sri Krishna Jayadev	Exploring the role of TLK2 mutation in tropical calcific pancreatitis: an insilico and molecular dynamics simulation study	Ashish Srivastava, Sri Krishna Jayadev Magani, Kiran Bharat Lokhande, Madhusudan Chitakhindi, Ashutosh Singh	Journal of Biomolecular structure and dynamics	18th march 2024
9	Koyeli	An overview of response pathways for protection of mitochondria from protein misfolding stress (Invited review)	Mudassar Ali*, Debanjan Kar, Anjali, Sarbani Bhattacharjee & Koyeli Mapa* (*corresponding authors)	Indian Journal of Biochemistry and Biophysics (IJBB)	Accepted in January 2025
10	Richa Priyadarshini	Small cyclic dipeptide produced by Lactobacillus rhamnosus with anti-biofilm properties against Streptococcus mutans biofilm	Rashmi Niranjana, Sachin Patil, Amrta Dubey, Bimlesh Lochab, and Richa Priyadarshini	Biofilm	2024
11	Richa Priyadarshini	Nanocellulose-Reinforced 4D Printed Hydrogels: Thermoresponsive Shape Morphing and Drug Release.	Goyal, Rohit, Sangeeta Sahu, Santanu Mitra, Rashmi Niranjana, Richa Priyadarshini, Rashmi Yadav, and Bimlesh Lochab	ACS Applied Polymer Materials	2024
12	Richa Priyadarshini	Structure predictions and functional insights into Amidase_3 domain containing N-acetylmuramyl-L-alanine amidases from Deinococcus indicus DR1	3. Malvika Modi, Meneka Thambiraja, Archana Cherukat, R MYennamalli and Richa Priyadarshini.	BMC Microbiol	2024
13	Rohini Garg	Knot-Knot Chronicles: Unveiling the G-Quadruplexes	Sharma H & Garg R	Critical Reviews in Biotechnology	Nov 2024
14	Rohini Garg	Unlocking Crops' Genetic Potential: Advances in Genome and Epigenome Editing of Regulatory Regions.	Ali N, Singh S & Garg R	Current opinion in Plant Biology	Nov 2024
15	Rohini Garg	Single same-cell multiome for dissecting key plant traits.	Garg R., Sahu SK, Jain M	Trends in Plant Sciences	Oct 2024
16	Rajan Vyas	Unveiling the silent defenders: mycobacterial stress sensors at the forefront to combat tuberculosis	Manya Jain & Rajan Vyas	Critical Reviews in Biotechnology	2024
17	PC Reddy	Histone-binding protein RBBP4 is necessary to promote neurogenesis in the developing mouse neocortical progenitors	Dhanya, S.K., Kalıa, K., Mohanty, S., Azam, T., Channakkar, A.S., D'Souza, L., Swathi, K.S., Reddy, P.C. and Muralidharan, B.	eNeuro	26/11/2024
18	PC Reddy	Altered neuroepithelial morphogenesis and migration defects in iPSC-derived cerebral organoids and 2D neural stem cells in familial bipolar disorder.	Phalnikar, K., Srividya, M., Mythri, S.V., Vasavi, N.S., Ganguly, A., Kumar, A., Padmaja, S., Kalıa, K., Mishra, S.S., Dhanya, S.K., Paul, P., Holla, B., Ganesh, S., Reddy, P.C., Sud, R., Viswanath, B., and Muralidharan, B.	Oxford Open Neuroscience	03/04/2024
19	PC Reddy	LSD1 Regulates Neurogenesis in Human Neural Stem Cells Through the Repression of Human-Enriched Extracellular Matrix and Cell Adhesion Genes.	Channakkar, A.S., D'Souza, L., Kumar, A., Kalıa, K., Prabhu, S., Phalnikar, K., Reddy, P.C. and Muralidharan, B.,	Oxford Stem Cells	01/02/2024
20	Neelesh Dahanukar	Complete mitogenome of Lepidopygopsis typus, an evolutionarily-distinct, endangered cyprinid fish from the Western Ghats Biodiversity Hotspot: phylogenetic relationships and implications for conservation.	Chandra, S., Abhilash, R., Sidharthan, A., Raghavan, R. & Dahanukar, N.(corresponding author)	Gene	2024
21	Neelesh Dahanukar	The loach genus Lepidocephalichthys (Teleostei: Cobitidae) in Sri Lanka and peninsular India: Multiple colonizations and unexpected species diversity.	Sudasinghe, H., Dahanukar, N., Raghavan, R., Ranasinghe, T., Wijesooriya, K., Pethiyagoda, R., Rüber, L. & Meegaskumbura, M.	Hydrobiologia	2024
22	Neelesh Dahanukar	Bridging knowledge gaps for the conservation and management of a 'Data Deficient', diadromous fish: the Indo-Pacific tarpon, Megalops cyprinoides	Das, J., Shanmughan, A., Dahanukar, N., Raghavan, R. & Ranjeet K.	Marine and Freshwater Research	2024
23	Neelesh Dahanukar	'Data-Deficient' but potentially threatened: first biological observations on the poorly-known Quagga Catshark, Halaelurus quagga.	Abisha, C., Dahanukar, N., Ranjeet K. & Raghavan, R.	Marine and Freshwater Research	2024
24	Neelesh Dahanukar	Oreichthys warjaintia, a new species of cyprinid fish from Meghalaya, India (Cypriniformes: Cyprinidae)	Dann, L., Dahanukar, N. & Raghavan, R.	Journal of Fish Biology	2024
25	Kamlesh Pawar	High-pressure microfluidisation positively impacts structural properties and improves functional characteristics of almond proteins obtained from almond meal	T.P. Sari, Amresh H. Dhamane, Kamlesh Pawar, Mudit Bajaj, Prarabdh C. Badgujar, Ayon Tarafdar, Vikrant Bodana, Sunil Pareek	Food Chemistry	1-Aug-24
26	PK Roy	Neuroimaging-based drug discovery for amyloid clearance therapy in Alzheimer's disease using validated causation analysis	A Bhattacharjee, P Purohit, PK Roy	Psychiatry Research: Neuroimaging	Dec. 2024
27	PK Roy	MRI tractographic validation of drug-enhanced hepatic clearance of amyloid-beta and the therapeutic potential for Alzheimer's Disease: A pilot study.	A Bhattacharjee, PK Roy	Brain Disorders	Jan. 2024

28	Geetanjali Chawla	OXR1 maintains the retromer to delay brain aging under dietary restriction	Kapahi P , Wilson K , Bar S , Dammer E , Hodge B , Carrera E , Hilsabeck T , Bons J , Brownridge G , Beck J , Rose J , Granath-Panelo M , Nelson C , Afenjar A , Chawla G , Brem R , Campeau P , Bellen H , Schilling B , Seyfried N , Ellerby L	Nature Communications	11th January 2024 (publication date)
29	Geetanjali Chawla	Characterization of genetic and molecular tools for studying the endogenous expression of Lactate dehydrogenase in Drosophila melanogaster	Madhulika Rai, Sarah M. Carter, Shefali A. Shefali, Geetanjali Chawla , Jason M. Tennessen	PLOS One	January 3, 2024
30	Geetanjali Chawla	Renal L-2-hydroxyglutarate dehydrogenase activity promotes hypoxia tolerance and mitochondrial metabolism in Drosophila melanogaster	Nader H. Mahmoudzadeh, Yasaman Heidarian, Jason P. Tourigny, Alexander J. Fitt, Katherine Beebe, Hongde Li, Arthur Luhur, Kasun Buddika, Liam Mungcal, Anirban Kundu, Robert A. Policastro, Garrett J. Brinkley, Gabriel E. Zentner, Travis Nemkov, Robert Pepin, Geetanjali Chawla, Sunil Sudarshan, Aylin R. Rodan, Angelo D'Alessandro, Jason M. Tennessen	Molecular Metabolism	2024
31	Sachin Deshmukh	Comparable theta phase coding dynamics along the transverse axis of CA1	Bishnoi, A, Deshmukh SS	Hippocampus	5/10/2024
32	Tanvi Deora	Intraspecific variation in the placement of campaniform sensilla on the wings of the hawkmoth <i>Manduca sexta</i>	Stanchak KE, Deora T, Weber AI, Hickner MK, Moalin A, Abdalla L, Daniel TL, Brunton BW	Integrative Organismal Biology	2024
33	Jugal Das	Metabolic Fitness of NAC1-Deficient Regulatory T Cells in the Tumor Microenvironment Fuels Tumor Growth	Anil Kumar, Jugal Das , Hao-Yun Peng, Liqing Wang, Darby Ballard, Yijie Ren, Xiaofang Xiong, Xingcong Ren, Jin-Ming Yang, Paul de Figueiredo, Jianxun Song	Journal of Clinical Investigation- Insights	7th January 2025
34	Colin Jamora	Bacopa monnieri phytochemicals regulate fibroblast cell migration via modulation of focal adhesions.	Zirmire RK, Saha D , Dey R, Tanimu H, Zaarour R, Bird D, Cherian P, Rana I, Roy N, Sanyal A, Misra N, Jamora C .	iScience	11/03/24
35	Colin Jamora	<u>Extracellular Caspase-1 induces hair stem cell migration in wounded and inflamed skin conditions.</u>	Hegde A, Ghosh S, Ananthan AS, Kataria S, Dutta A, Prabhu S, Khedkar SU, Dutta A, Jamora C .	Journal of Cell Biology	08/04/24
36	Colin Jamora	<u>TANGO1 inhibitors reduce collagen secretion and limit tissue scarring.</u>	Raote I, Rosendahl AH, Häkkinen HM, Vibe C, Küçükaylak I, Sawant M, Keufgens L, Frommelt P, Halwas K, Broadbent K, Cunqueiro M, Castro G, Villemeur M, Nüchel J, Bornikoeel A, Dam B, Zirmire RK, Kiran R , Carolis C, Andilla J, Loza-Alvarez P, Ruprecht V, Jamora C , Campelo F, Krüger M, Hammerschmidt M, Eckes B, Neundorff I, Krieg T, Malhotra V	Nature Communications	24/04/24
37	Colin Jamora	<u>SARS-CoV-2 infections before, during, and after the Omicron wave: a 2-year Indian community cohort study.</u>	Madhavan R, Paul JS, Babji S, Thamizh I, Kumar D, Khakha SA, Rennie A, Kumar K, Dhanapal P, Saravanan P, Kumar A, Immanuel S, Gandhi V, Kumar A, Babu JJ, Gangadharan NT, Jagadeesan P, John E, Jamora C , Palakodeti D, Bhati R, Thambidurai SD, Suvatha A, George A, Kang G, John J.	Lancet Regional Health Southeast Asia	21/08/24
38	Colin Jamora	Poly (A) binding protein 2 is critical for stem cell differentiation during regeneration in the planarian <i>Schmidtea mediterranea</i>	Mukundan N, Hariharan N, Sasidharan V, Lakshmanan V, Palakodeti D, Jamora C .	Frontier in Cell and Developmental Biology	23/09/24
39	Colin Jamora	Cytokine Signalling in Formation of Neutrophil Extracellular Traps: Implications for Health and Diseases	Haritha Manoj, Sarah Michael Gomes, Pooja Yedehalli Thimmappa, Prabhakara. R Nagareddy, Colin Jamora, Manjunath B Joshi	Cytokine and Growth Factor Reviews	9-Dec-24
40	Colin Jamora	Mindin/spondin-2 regulates fibroblast subpopulations through distinct Src family kinases during fibrogenesis	Kataria S, Rana I, Badarinath K, Zaarour RF, Kansagara G, Ahmed S, Rizvi A, Saha D, Dam B, Dutta A, Zirmire RK, Hajam EY, Kumar P, Gulyani A, Jamora C	JCI Insight	31/12/2024
41	Anindita Chakrabarty	O6-Alkylguanine-DNA Alkyltransferase Maintains Genome Integrity by Forming DNA-Protein Cross-Links during Inflammation-Associated Peroxynitrite-Mediated DNA Damage	Shayantani Chakraborty, Shaista Haider, Gargi Mukherjee, Anindita Chakrabarty* and Goutam Chowdhury*	ACS Publications	21-Oct-24
42	Anindita Chakrabarty	Resistance to endocrine therapies in cancer, volume II.	Anindita Chakrabarty*, Stephen Hiscox, Prathibha Ranganathan	Front Endocrinol (Lausanne)	2024
43	Anindita Chakrabarty	Opposing Interplay between Nuclear Factor Erythroid 2-Related Factor 2 and Forkhead BoxO 1/3 is Responsible for Sepantronium Bromide's Poor Efficacy and Resistance in Cancer Cells: Opportunity for Combination Therapy in Triple Negative Breast Cancer.	Shaista Haider, Shayantani Chakraborty, Goutam Chowdhury*, Anindita Chakrabarty*	ACS Pharmacology & Translational Science	2024
44	Anindita Chakrabarty	Exploring the potential of baicalin and resveratrol as PIM-1 kinase inhibitors: Therapeutic targeting of prostate and breast cancers.	Aanchal Rathi, Afreen Khan, Shaista Haider, Sonam Roy, Aaliya Taiyab, Shivam Mahendru, Afzal Hussain, Anindita Chakrabarty, Asimul Islam, Md. Imtaiyaz Hassan, Mohammad Mahfuzul Haque	J Molecular Liquids	2024
45	Anindita Chakrabarty	Exploring MTH1 inhibitory potential of thymoquinone and baicalin for therapeutic targeting of breast cancer.	Aliya Taiyab, Arunabh Choudhury, Shaista Haidar, Mohd Yousuf, Aanchal Rathi, Priyanka Kaul, Anindita Chakrabarty, Anas Shamsi, Md. Imtaiyaz Hassan.	Biomedicine & Pharmacotherapy	2024
46	Anindita Chakrabarty	Thymoquinone, artemisinin, and thymol attenuate proliferation of lung cancer cells as Sphingosine kinase 1 inhibitors	Ilma Shakeel, Shaista Haider, Shama Khan, Shahbaz Ahmed, Afzal Hussain, Mohamed F Alajmi, Anindita Chakrabarty, Mohammad Afzal, Md Imtaiyaz Hassan.	Biomedicine & Pharmacotherapy	2024
47	Anindita Chakrabarty	Design, synthesis, molecular docking and anti-proliferative activity of novel phenothiazine containing imidazo[1,2-a]pyridine derivatives against MARK4 protein	Avijit Bhakta, Sayeed Mukhtar, Saleha Anwar, Shaista Haider, Mohammed Issa Alahmdi, Humaira Parveen, Meshari A. Alsharif, Mohmmad Younus Wani, Anindita Chakrabarty, Md. Imtaiyaz Hassan and Naseem Ahmed.	RSC Medicinal Chemistry	2024