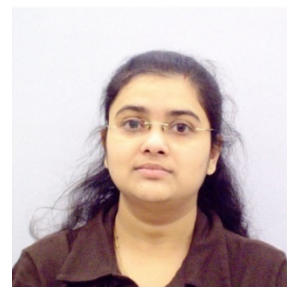

Curriculum Vitae

Chandrima Das, Ph.D., FNASc

Professor-G

Biophysics and Structural Genomics Division
Saha Institute of Nuclear Physics
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Educational Qualification

S No	Degree	Subject	Year	Class	University
1	M Sc	Biochemistry (Molecular Biology Specialization)	2001	1 st (70.7%)	Calcutta
2	Ph D	Chromatin Biology	2007	-	JNCASR
3	Post-Doctoral Research	Chromatin & Epigenetics	2008 - 10	-	UC Denver, USA
4	Post-Doctoral Research	Chromatin & Epigenetics	2010 - 12	-	UT MDACC, USA

Employment Details

S No	Period	Place of Employment	Designation
1	Apr 2012–Jun 2017	SINP Kolkata	Associate Professor E
2	Jul 2017 – Jun 2022	SINP Kolkata	Associate Professor F
3	Jul 2022 – Present	SINP Kolkata	Professor G

Honors and Awards

S No	Period	Description
1	2021	CDRI Award for Excellence in Drug Research in Life Science category, from Council of Scientific & Industrial Research (CSIR)

2	2019	S. Ramachandran - National Bioscience Award For Career Development, from Department of Biotechnology
3	2018	SwarnaJayanti Fellowship from Department of Science and Technology
4	2011	Ramalingaswami Fellowship from Department of Biotechnology
5	2009	Susan G. Komen Postdoctoral Fellowship awarded for basic sciences in Breast Cancer Research

Membership of National and International Academies

Elected Fellow The National Academy of Sciences (**FNASc.**), India (2020)
 American Chemical Society (**ACS**) Chemical Biology, Early Career Board Member (2020)
 Elected Fellow of West Bengal Academy of Science and Technology (**FAScT**) (2019)
 Elected member of Guha Research Conference (**GRC**) (2018)
 Life Member of Indian Society of Cell Biology (**ISCB**) India (2017)
 Life Member of Indian Association for Cancer Research (**IACR**) India (2017)
 Life Member of Chemical Biology Society (**CBS**) India (2016)
 Life Member of Society of Biological Chemists (**SBC**) India (2007)
 Member of The American Society for Biochemistry and Molecular Biology (**ASBMB**) and The American Chemical Society (**ACS**)

Field of specialization and expertise: The broad research focus of *Chromatin Dynamics laboratory* is to understand the diverse function of the epigenetic regulators in the context of human disease. Here we are delineating the role of a family of chromatin ‘*readers/effectors*’ in difficult to prognose cancers, metabolic disorders as well as infectious diseases. We intend to employ these chromatin readers as potential therapeutic targets in future.

Lab Website: <https://chandrimadascdl.wixsite.com/cromatindynamicslab>

Publications-

A) Research Articles

1. Adhikari S., Singh V., Nandi S., Ghoshal M., Sundar Raj N., Khanna J., Bhattacharya A., Kabiraj A., Mondal A., Vasudevan M., Senapati D., Roy H., Sengupta K., Notani D., **Das C.* 2024.** UBR7 in concert with EZH2 inhibits the TGF- β signalling leading to extracellular matrix remodelling. *Cell Reports*. 43(7):114394. **JIF: 8.8**

2. Singh V., Mondal A., Adhikary S., Mondal P., Shirgaonkar N., DasGupta R., Roy S., **Das C.* 2024.** UBR7 E3 Ligase suppresses IFN- β mediated immune signaling by targeting Sp110 in HBV-induced HCC. *ACS Infectious Diseases* (In Press) **JIF: 5.3 (Accepted for Cover Page Publication)**
3. Guha D, Singh V, Nandi S, Ramos EI, Gadad SS, **Das C.*. 2024.** ZMYND8 is a regulator of Sonic Hedgehog signaling in ATRA-mediated differentiation of neuroblastoma cells. *Biochemistry*. 63(12):1534-1542. **JIF: 2.9 (Accepted as a Supplementary Cover Page Article)**
4. Hidalgo A.M., Singh V., Mangadu T., Guha D., Ramos E.I.*, **Das C.***, Gadad S.S.* **2024.** Characterization and expression of the microtubule associated protein Tau Gene isoforms and their clinical outcomes in Glioma Patients. *Computational and Structural Biotechnology Reports*. (In Press).
5. Adhikary S., Singh V., Choudhari R., Yang B., Adhikari S., Ramos E.I., Chaudhuri S., Roy S., Gadad S.S.*, **Das C.* 2022.** ZMYND8 suppresses MAPT213 LncRNA transcription to promote neuronal differentiation. *Cell Death Dis.* 13(9):766. **JIF: 9.624**
6. Sengupta I., Mondal P., Sengupta A., Mondal A., Singh V., Adhikari S., Dhang S., Roy S. and **Das C.* 2022.** Epigenetic regulation of Fructose-1,6-Bisphosphatase 1 by host transcription factor Speckled 110 kDa during Hepatitis B Virus infection. *FEBS J.* 289(21):6694-6713 **JIF: 5.54**
7. Mustafi P., Hu M., Kumari S., **Das C**, Li G., Kundu TK. **2022.** Phosphorylation-dependent association of human chromatin protein PC4 to linker histone H1 regulates genome organization and transcription. *Nucleic Acids Res.* 150(11):6116-6136. **JIF: 16.971**
8. Dalui S, Dasgupta A, Adhikari S, **Das C**, Roy S. **2022.** Human testis-specific Y-encoded like protein 5 is a histone H3/H4 specific chaperone which facilitates histone deposition in vitro. *J. Biol Chem.* 298(8):102200. **JIF: 5.157**
9. Chakraborty S, Singh M, Pandita R.K., Singh V., Lo C.S.C., Leonard F., Horikoshi N., Moros E.G., Guha D, Hunt C.R., Makhijani K., Chau E., Ahmed K.M., Sethi P., Charaka V., Godin B., Makhijani K., Scherthan H, Deck J., Hausmann M., Mushtaq A., Altaf M., Ramos K.S., Bhat K.M., Taneja N., **Das C*** and Pandita T.K*. **2022.** Heat-induced SIRT1-mediated H4K16ac deacetylation impairs resection and SMARCAD1 recruitment to double strand breaks. *iScience*. 25(4):104142. **JIF: 5.458**
10. Mondal P, Gadad S.S., Adhikari S., Ramos E.I., Sen S., Prasad P. and **Das C*.** **2021.** TCF19 and p53 Regulate Transcription of TIGAR and SCO2 in HCC for Mitochondrial Energy Metabolism and Stress Adaptation. *FASEB J.* 35(9): e21814. **JIF: 5.191**
11. Dasgupta A., Mondal P., Dalui S., **Das C**, Roy S. **2021.** Molecular characterization of substrate-induced ubiquitin transfer by UBR7-PHD finger, a newly identified histone H2BK120 ubiquitin ligase. *FEBS J.* 289(7):1842-1857. **JIF: 5.54**
12. Srivastava DK, Gunjan S, **Das C**, Seshadri V, Roy S. **2021.** Structural insights into histone chaperone Asf1 and its characterization from Plasmodium falciparum. *Biochem J.* 478(5):1117-1136. **JIF: 4.12**
13. Mukherjee S, Adhikary S, Gadad S.S., Mondal P, Sen S., Choudhari R., Singh V., Adhikari S., Mandal P., Chaudhuri S., Sengupta A., Lakshmanaswamy R., Chakrabarti P, Roy S and **Das C*.** **2020.** Suppression of poised oncogenes by ZMYND8 promotes chemo-sensitization. *Cell Death Dis.* 11(12):1073. **JIF: 9.624**
14. Sanyal S, Mondal P, Sen S, Sengupta Bandyopadhyay S, **Das C*.** **2020.** SUMO E3 ligase CBX4 regulates hTERT-mediated transcription of CDH1 and promotes breast cancer cell migration and invasion. *Biochem J.* 477(19):3803-3818. **JIF: 4.12**
15. Mondal P., Sen S., Klein B.J., Tiwary N., Gadad S.S., Kutateladze T.G., Roy S. and **Das C*.** **2020.** TCF19 promotes cell proliferation through binding to the histone

H3K4me3 mark. *Biochemistry*. 59(4):389. **JIF: 2.952 (Accepted for Supplementary Cover Page Publication)**

16. Mukherjee S, Sen S, Adhikary S, Sengupta A, Mandal P, Dasgupta D, Chakrabarti P, Roy S and **Das C***. 2020. A novel role of tumor suppressor ZMYND8 in inducing differentiation of breast cancer cells through its dual histone binding function. *J Biosci*. 45. pii:2, **JIF: 1.831**
17. Karmakar D, Maity J, Mondal P, Shyam Chowdhury P, Sikdar N, Karmakar P, **Das C**, Sengupta S. 2020. E2F5 promotes prostate cancer cell migration and invasion through regulation of TFPI2, MMP-2 and MMP-9. *Carcinogenesis*. 41(12):1767-1780. **JIF: 4.646**
18. Adhikary S., Chakravarti D., Terranova C., Sengupta I., Maitituoheti M., Dasgupta A., Srivastava D.K., Ma J., Raman A.T., Tarco E., Sahin A. A., Bassett R., Yang F., Tapia C., Roy S.*, Rai K.* and **Das C***. 2019. Atypical Plant Homeodomain of UBR7 Functions as an H2BK120Ub Ligase and Breast Tumor Suppressor. *Nat Commun*. 10(1):1398. **JIF: 13.691**
19. Sau A., Sanyal S., Bera K., Sen S., Mitra A.K., Pal U., Chakraborty P.K., Ganguly S., Satpati B., **Das C.*** and Basu S.* 2018. DNA Damage and Apoptosis Induction in Cancer Cells by Chemically Engineered Thiolated Riboflavin Gold Nanoassembly. *ACS Appl Mater Interfaces*, 10(5):4582-4589. **JIF: 7.504**
20. Chakraborty B, Mondal P, Gajendra P, Mitra M, **Das C**, Sengupta S. 2018. Deciphering genetic regulation of CD14 by SP1 through characterization of peripheral blood mononuclear transcriptome of P. falciparum and P. vivax infected malaria patients. *EBioMedicine*. 37:442-452. **JIF: 6.183**
21. Sen S., Sanyal S., Srivastava D.K., Dasgupta D., Roy S. and **Das C.*** 2017. Transcription factor 19 interacts with histone 3 lysine 4 trimethylation and controls gluconeogenesis via the nucleosome-remodeling-deacetylase complex. *J Biol Chem.*, 292(50):20362-20378. (Accepted for Cover Page Publication) **JIF: 4.403**
22. Sengupta I., Das D., Singh S.P., Chakravarty R. and **Das C.*** 2017. Host transcription factor Speckled 110 kDa (Sp110), a nuclear body protein, is hijacked by Hepatitis B virus protein X for viral persistence. *J Biol Chem.*, 292(50):20379-20393. **JIF: 4.403**
23. Basu M., Sengupta I., Khan W., Srivastava D.K., Chakrabarti P., Roy S. and **Das C.*** 2017. Dual histone reader ZMYND8 inhibits cancer cell invasion by positively regulating epithelial genes. *Biochem J*, 474(11):1919-1934. **JIF: 4.12**
24. Basu M., Khan M.W., Chakrabarti P. and **Das C.*** 2017. Chromatin reader ZMYND8 is a key target of all trans retinoic acid-mediated inhibition of cancer cell proliferation. *Biochim Biophys Acta- Gene Regul Mech*. 1860(4):450-459. **JIF: 5.550**
25. Goswami S., Sanyal S., Chakraborty P., **Das C.***, Sarkar M.* 2017. Interaction of a Common Painkiller Piroxicam and Copper-piroxicam with Chromatin Causes Structural Alterations Accompanied by Modulation at the Epigenomic/Genomic level. *Biochim Biophys Acta- Gen Subj*. 4165(17):30131-30139. **JIF: 5.08**
26. Das D., Sengupta I., Sarkar N., Pal A., Saha D., Bandopadhyay M., **Das C.**, Narayan J., Singh S.P., Chakrabarti S., Chakravarty R. 2017. Anti-hepatitis B virus (HBV) response of imiquimod based toll like receptor 7 ligand in hbv-positive human hepatocellular carcinoma cell line. *BMC Infect Dis.*, 17(1):76. **JIF: 2.864**
27. Adhikary S., Sanyal S., Basu M., Sengupta I., Sen S., Srivastava D.K., Roy S.* and **Das C.*** 2016. Selective Recognition of H3.1K36 dimethylation / H4K16 acetylation facilitates the regulation of ATRA-responsive genes by putative chromatin reader ZMYND8. *J Biol Chem.*, 291:2664-2681. **JIF: 4.403**

28. Banerjee A., Sanyal S., Dutta S., Chakraborty P., Das P.P., Jana K., Vasudevan M., **Das C.***, Dasgupta D.* **2016**. The plant alkaloid chelerythrine binds to chromatin, alters H3K9Ac and modulates global gene expression. *J Biomol Struct Dyn*. 35(7):1491-1499. **JIF: 2.689**
29. Das D., Sarkar N., Sengupta I., Pal A., Saha D., Bandopadhyay M., **Das C.**, Narayan J., Singh S.P., Chakravarty R. **2016**. Anti-viral role of toll like receptor 4 in hepatitis B virus infection: An *in vitro* study. *World J Gastroenterol.*, 22(47):10341-10352. **JIF: 2.848**
30. Bandopadhyay M., Sarkar N., Datta S., Das D., Pal A., Panigrahi R., Banerjee A., Panda C.K., **Das C.**, Chakrabarti S., Chakravarty R. **2016**. Hepatitis B virus X protein mediated suppression of miRNA-122 expression enhances hepatoblastoma cell proliferation through cyclin G1-p53 axis. *Infect Agent Cancer*. 11:40..**JIF: 1.718**
31. Chakrabarti R., Sanyal S., Ghosh A., Bhar K., **Das C.*** and Siddhanta A.* **2015**. Phosphatidylinositol 4-phosphate 5-kinase 1-alpha modulates ribosomal RNA gene silencing through its interaction with histone H3 lysine 9 trimethylation and heterochromatin protein HP1-alpha. *J Biol Chem*. 290:20893-20903. **JIF: 4.403**
32. **Das C.**, Roy S., Namjoshi S., Malarkey C.S., Jones D.N., Kutateladze T.G., Churchill M.E. and Tyler J.K. **2014**. Binding of the histone chaperone ASF1 to the CBP bromodomain promotes histone acetylation. *Proc Natl Acad Sci U S A*, 111(12): E1072-81. **JIF: 10.285**
33. Banerjee A., Sanyal S., Kulkarni K.K., Jana K., Roy S., **Das C.***, Dasgupta D.* **2014**. Anticancer drug mithramycin interacts with core histones: an additional mode of action of the DNA groove binder. *FEBS Open Bio*. 4:987-995. **JIF: 2.143**
34. **Das C.**, Gadad S.S., and Kundu T.K. **2010**. Human positive coactivator 4 controls heterochromatinization and silencing of neural gene expression by interacting with REST/NRSF and CoREST. *J Mol Biol.*, 397(1):1-12. **JIF: 4.632**
35. Feser J., Truong D., **Das C.**, Carson J.J., Kieft J., Harkness T., and Tyler J.K. **2010**. Elevated histone expression promotes lifespan extension. *Mol. Cell*, 39(5):724-35. **JIF: 14.708**
36. **Das C.**, Lucia M.S., Hansen K.C., and Tyler J.K. **2009**. CBP/p300- mediated acetylation of histone H3 on Lysine 56. *Nature*, 459(7243):113-7 (*Commentaries in Nature and Faculty of 1000 Biology*) **JIF: 41.458**
37. Selvi B.R., Pradhan S.K., Shandilya J., **Das C.**, Sailaja B.S., Shankar G.N., Gadad S.S., Dasgupta D., and Kundu T.K. **2009**. Putative anticancer therapeutic, Sanguinarine interacts with chromatin; modulates epigenetic modifications and chromatin transcription. *Chem Biol.*, 16(2):203-16. **JIF: 6.480**
38. Ransom M., Williams S.K., Dechassa M.L., **Das C.**, Linger J., Adkins M., Liu C., Bartholomew B., and Tyler J.K.. **2009**. FACT and the proteasome promote promoter chromatin disassembly and transcriptional initiation. *J Biol Chem.*, 284(35):23461-71. **JIF: 4.403**
39. Kishore A.H., Batta K., **Das C.**, Agarwal S., and Kundu T.K. p53 Regulates Its Own Activator - Transcriptional Coactivator PC4: A New p53 Responsive Gene. *Biochem J.*, 406(3), 437-444, (2007). **JIF: 4.116**.
40. **Das C.**, Hizume K., Batta K., Kumar B.R., Gadad S.S., Ganguly S., Lorain S., Verreault A., Sadhale P.P., Takeyasu K., and Kundu T.K. **2006**. Transcriptional Coactivator PC4, A Chromatin-associated Protein, Induces Chromatin Condensation. *Mol Cell Biol.*, 26(22), 8303-8315.

B) Reviews

1. Das C.*, Bhattacharya A., Adhikari S., Mondal A., Mondal P., Adhikary S., Roy S., Ramos K., Yadav K., Tainer J.A.*, Pandita T.K.*. **2024**. A prismatic view of the epigenetic-metabolic regulatory axis in breast cancer therapy resistance. *Oncogene* 43(23):1727-1741. **JIF:8.8**
2. Dasgupta A, Nandi S, Gupta S, Roy S, Das C.* **2024**. To Ub or not to Ub: The epic dilemma of histones that regulate gene expression and epigenetic cross-talk. *Biochim Biophys Acta Gene Regul Mech.* 1867(3):195033. **JIF:4.7**
3. Singh V., Nandi S., Ghosh A., Mukherjee S., Roy S., Das C.* **2024**. Epigenetic reprogramming of T cells: Unlocking New Avenues for Cancer Immunotherapy. *Cancer and Metastasis Reviews.* 43(1):175-195. **JIF:10.0**
4. Das C.*, Adhikari S., Bhattacharya A., Chakraborty S., Mondal P., Yadav S.S., Adhikary S., Hunt C.R., Yadav K., Pandita S., Roy S., Tainer J.A., Ahmed Z., Pandita T.K.* **2023**. Epigenetic-Metabolic Interplay in the DNA Damage Response and Therapeutic Resistance of Breast Cancer. *Cancer Res.* 83(5):657-666. **JIF: 13.312**
5. Adhikari S., Bhattacharya A., Adhikary S., Singh V., Gadad S.S., Roy S., Das C*. **2022**. The paradigm of drug resistance in cancer: an epigenetic perspective. *Bioscience Reports.* 42(4):BSR20211812. **JIF: 3.840**
6. Mondal A, Bhattacharya A, Singh V, Pandita S, Bacolla A, Pandita RK, Tainer JA, Ramos KS, Pandita TK*, Das C*. **2022**. Stress responses as master keys to epigenomic changes in transcriptome and metabolome for cancer etiology and therapeutics. *Mol Cell Biol.* 42(1): e0048321
7. Mohan C, Das C, Tyler J. **2021**. Histone and Chromatin Dynamics Facilitating DNA repair. *DNA Repair (Amst).* 107:103183. **JIF: 4.913**
8. Adhikary S, Roy S, Chacon J, Gadad S.S. and Das C*. **2021**. Implications of enhancer transcription and eRNAs in cancer. *Cancer Res.* 81(16):4174-4182. **JIF: 9.727**
9. Sedano MJ, Harrison AL, Zilaie M, Das C, Choudhari R, Ramos E, Gadad SS. **2020**. Emerging Roles of Estrogen-Regulated Enhancer and Long Non-Coding RNAs. *Int J Mol Sci.* 21(10):3711. **JIF: 4.653**
10. Sen S, Das C*. **2018**. Managing the sugar factory: A new feather in the cap for nuclear factor Y. *J Biol Chem.* 293(20):7905-7906. **JIF: 4.403**
11. Das C., and Tyler J.K. **2013**. Histone exchange and histone modifications during transcription and aging. *Biochim Biophys Acta*, Special issue: *Histone chaperones and Chromatin assembly*, 1819(3-4): 332-42. **JIF: 3.595**
12. Das C., Tyler J.K., and Churchill M.E. **2010**. The histone shuffle: histone chaperones in an energetic dance. *Trends Biochem Sci.*, 35(9):476-89. (Accepted for Cover Page publication) **JIF: 13.026**
13. Das C., and Kundu T.K. **2005**. Transcriptional regulation by the acetylation of nonhistone proteins in humans- a new target for therapeutics. *IUBMB Life*, 57(3), 137-149. **JIF: 3.257**

C) Book Chapters

1. Mondal A., Sarkar A., Das D., Sengupta A., Kabiraj A., Mondal P., Nag R., Mukherjee S., Das C.* **2024**. Epigenetic orchestration of the DNA damage response: Insights into the regulatory mechanisms. *International Review of Cell and Molecular Biology*. Publisher: Academic Press, 387:99-141.

2. Nandi S., Mondal A., Ghosh A., Mukherjee S., **Das C.* 2023**. Lnc-ing epigenetic mechanisms with autophagy and cancer drug resistance. *Advances in Cancer Research*. Publisher: Elsevier, 160:133-203.
3. Adhikari S., Guha D., Mohan C., Mukherjee S., Tyler J.K., **Das C.* 2022**. Reprogramming carbohydrate metabolism in cancer and its role in regulating the tumor microenvironment. *Subcellular Biochemistry. In Metabolism and Epigenetic Regulation: Implications in Cancer*. Publisher: Springer Nature. 100:3-65.
4. Mondal P., Tiwary N., Sengupta A., Dhang S., Roy S., **Das C.* 2022**. Epigenetic reprogramming of the Glucose metabolic pathways by the Chromatin effectors during Cancer. *Subcellular Biochemistry. In Metabolism and Epigenetic Regulation: Implications in Cancer*. Publisher: Springer Nature. 100:269-336.
5. Pandita T.K.*, Hunt C.R., Singh V., Adhikary S., Pandita S., Roy S., Ramos K., **Das C.* 2022**. Role of the histone acetyl transferase MOF and the histone deacetylase Sirtuins in regulation of H4K16ac during DNA damage repair and metabolic programming: Implications in Cancer and Aging. *Subcellular Biochemistry. In Metabolism and Epigenetic Regulation: Implications in Cancer*. Publisher: Springer Nature. 100:115-141.
6. Sikder S., Mondal A., **Das C.**, Kundu T.K.* **2022**. Autophagy in cancer: a metabolic perspective *Subcellular Biochemistry. In Metabolism and Epigenetic Regulation: Implications in Cancer*. Publisher: Springer Nature. 100:143-172.
7. Sengupta I., Mondal A., Sengupta A., and **Das C.* 2022**. Oncogenic Virus Induced Oxidative Stress and Epigenetic regulation: An Insight into host DNA methylation. **MRW Book: Handbook of Oxidative Stress in Cancer: Therapeutic Aspects**. Volume Editor: Sajal Chakraborti. Publisher: Springer Nature. 1-26.
8. Mukherjee S., Adhikary S., Roy S., **Das C.* 2017**. Noncoding RNAs as chromatin scaffold of histone modification complexes in cancer. In *Cancer and Non-coding RNAs, Translational Epigenetics Series*, Volume eds: Jayprokas Chakrabarti and Sanga Mitra; Series ed: Trygve Tollefsbol, (Elsevier), 1: 329-357.
9. Kumari S., **Das C.**, Sikder S., Kumar M., Bachu M., Ranga U., Kundu T.K.* **2015**. Identification and characterization of nonhistone chromatin proteins: human positive coactivator 4 as a candidate. In *Chromatin Protocols*, ed: Srikumar P. Chellappan, (Springer) *Methods Mol. Biol.*, 1288: 245-72.
10. Batta K., **Das C.**, Gadad S., Shandilya J., Kundu T.K.* **2007**. Reversible acetylation of nonhistone proteins: Role in cellular functions and diseases. *Subcell Biochem. In Chromatin and Disease*, eds: T. K. Kundu and D. Dasgupta, (Springer). 41:193–212.

***Corresponding author**

JIF- 5 Year Impact Factor, from ISI Web of Science (Thomson Reuters)

List of Patents:

Invention: Highly Specific Polyclonal Antibodies of Individual Core Histone and Uses Thereof

Inventors: Tapas Kumar Kundu, *Chandrima Das*, Radhika Ashish Varier, Febitha Kandan Kulangara

Patents granted to date: India (239873)

Mentoring Students and Research Associates:

- At present mentoring 6 Ph.D. students. 2 of the students are writing Ph.D. Thesis and 5 of them have been awarded Ph.D. degree.

- At present mentoring 1 Research Associates (DST funded Project). 5 Research Associates (two N-PDF and three DBT-RAs) have completed their tenure.

Ongoing Research Support

I. Council of Scientific and Industrial Research (CSIR)- ASPIRE, Human Resource Development Group (HRDG), Govt. of India	PI	20/6/24-20/6/27
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Epigenetic regulations of metabolic pathways during heat stress mediated DNA damage

II. Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India	PI	06/1/23-05/30/26
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Sensitizing the drug-resistant triple negative breast cancer through Extracellular Matrix Remodelling by the epigenetic regulators

III. Department of Atomic Energy, Govt. of India	One of the PI	11/01/20-10/31/24
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The role of epigenetic regulators in sensitizing drug-resistant triple negative breast tumors

Completed Research Support

I. Ramalingaswami Fellowship, Department of Biotechnology, Govt. of India	PI	04/01/12-6/31/17
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Prolyl isomerization as a novel mode to regulate chromatin function

II. Science and Engineering Research Board, Department of Science and Technology, Govt. of India	PI	06/01/15-05/31/18
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A putative chromatin reader ZMYND8 and its role in neuronal differentiation

III. Department of Atomic Energy, Govt. of India	One of the PI	10/01/12-09/31/20
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Chromatin dynamics and its modulation by transcription factors

IV. Science and Engineering Research Board, Department of Science and Technology, Govt. of India	PI	05/01/19-4/30/22
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Investigating the role of epigenetic reader TCF19 as a cellular glucose sensor in conjunction with p53

V. The mission of Life Sciences research Board (LSRB) of Defense Research & Development Organization (DRDO)	Co-PI	11/15/19-11/14/22
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Development of aptamer based selective localization of gold nanoparticles for early-stage detection and future applications in therapeutic prevention of dengue infection

VI. Department of Biotechnology, Govt. of India	PI	11/15/19-11/14/22
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Zinc Finger Transcription Factors as regulators of neuronal differentiation programs through epigenetic reprogramming:

VII. S. Ramachandran - National Bioscience Award for Career Development, Department of Biotechnology, Govt. of India

PI

03/01/20-02/28/23

Investigating the functional interplay between key transcription factor TCF712 and epigenetic regulator TCF19 to modulate metabolic gene expression programs during Endoplasmic Reticulum stress

VIII. SwarnaJayanti Fellowship, Department of Science and Technology, Govt. of India

PI

06/1/19-05/30/24

Reprogramming of Host Epigenomic landscape during viral infection