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Research Experience

- Post-Doctoral Research Associate, Integrative Program for Biological and Genome Sciences (iBGS), University of North Carolina, Chapel Hill, North Carolina, USA
Area of Research: Molecular and Developmental Epigenetics of Dosage Compensation in *Drosophila*

Academic Qualification

- Ph.D., Biophysics & Molecular Biology, Banaras Hindu University, Varanasi, India
Area of Research: Molecular Biology and Developmental Genetics of *Drosophila*
- M.Sc. Biophysics & Molecular Biology, University of Calcutta, Kolkata, India
- B.Sc. Microbiology (Hons.), University of Calcutta, Kolkata, India

Research Interests

- Molecular Biology and Developmental Genetics
- Epigenetic Regulation of Gene Expression

Publications

- **Kunar R.**, Roy J.K. (2017). *DCP2*: An essential player of epithelial morphogenesis and neuronal development in *Drosophila*. *Mechanisms of Development* 145: S63.
- Mishra R¹., **Kunar R¹.**, Mandal L., Alone D.P., Chandrasekharan S., Tiwari A.K., Tapadia M.G., Mukherjee A., Roy J.K. (2020). A Forward Genetic Approach to Mapping a *P*-Element Second Site Mutation Identifies *DCP2* as a Novel Tumor Suppressor in *Drosophila melanogaster*. *G3: Genes, Genomes, Genetics* 10: 2601-2618.
¹Equal first authorship
- **Kunar R.**, Roy J.K. (2021) The mRNA decapping protein 2 (DCP2) is a major regulator of developmental events in *Drosophila* – insights from expression paradigms. *Cell and Tissue Research* 386: 261-280.
- Sultana H., **Kunar R.**, Matera AG. (2025) Chromatin insulators in gene regulation and 3D genome organization. *Biochem Soc Trans* (2025) 53 (05): 1387–1399.
- **Kunar R.**, Roy J.K. The *Drosophila* DCP2 is evolutionarily conserved in sequence and structure – insights from *in silico* studies of DmDCP2 orthologs and paralogs. *bioRxiv*. (doi: <https://doi.org/10.1101/2021.04.18.440350>) (Under Review)