CURRICULUM VITAE

Personal Information

Name	:	Rohit Kunar
Father's Name	:	Late Sri Dipanker Kunar
Mother's Name	:	Smt. Saswati Kunar
Date of Birth	:	23rd September, 1989
Nationality	:	Indian
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Academic Qualifications

Examination	Year	Name of Institution/University	Class/Division
Class X (ICSE)	2005	St. Augustine's Day School, Barrackpore, Kolkata (CISCE, New Delhi)	First (87.2%)
Class XII (ISC)	2007	St. Augustine's Day School, Barrackpore, Kolkata (CISCE, New Delhi)	First (92%)
Bachelor of Science (B.Sc.) Microbiology (Hons.)	2010	Rastraguru Surendranath College, Barrackpore (University of Calcutta, Kolkata)	First (70.25%) **Rank – 9th**
Master of Science (M.Sc.) Biophysics & Molecular Biology	2012	University of Calcutta, Kolkata	First (78.2%) **Rank – 1st**
Doctor of Philosophy (Ph.D.) Biophysics & Molecular Biology	2021	Banaras Hindu University, Varanasi **Title of Thesis – "**Studies on the role of mRNA decapping protein 2 (DCP2) in development and tumourigenesis in *Drosophila*"	

Post-PhD Experience

Sl. No.	Designation	Institute	Tenure	Job Description
01.	ICMR-SRF	Cytogenetics Laboratory, Dept. of Zoology, Institute of Science,	15th March 2021 – 14th March 2023 (2 years)	Research on Molecular and Developmental Genetics of *Drosophila*

		Banaras Hindu University, Varanasi – 221005, U.P., India		
02.	Post Doctoral Research Associate	Biological and Genome Sciences (iBGS), University of North Carolina, Chapel Hill, NC 27599, USA	08th May 2023 - 11th November 2024 (1 year 6 months 3 days)	Research on Molecular and Developmental Epigenenetics of *Drosophila*
03.	Assistant Professor	Department of Biological Science, School of Life Science and Biotechnology (SOLB), Adamas University, Barasat, W.B., India	18th November, 2024 - **continuing**	Teaching and Research

Fellowship

JRF and SRF (Department of Science & Technology, DST – INSPIRE)
SRF (Indian Council of Medical Research, India)

Awards and Honours

- Narasingha Das Dey Scholarship For Standing 1st In M.Sc Part I Examination in Biophysics & Molecular Biology in 2011, University Of Calcutta, Kolkata
- Gold Medal For Standing 1st In M.Sc Part II Examination in Biophysics & Molecular Biology in 2012, University Of Calcutta, Kolkata
- The President Of India Medal For General Proficiency in The Year 2012, University Of Calcutta, Kolkata
- Award For Best Poster, 9th RNA Group Meeting, Banaras Hindu University, Varanasi, October, 2017

Conferences Attended and Presented

- The XXXIX All India Cell Biology Conference on Cellular Organisation and Dynamics, 6th – 8th December, 2015, held in IISER-TVM & RGCB-TVM, Thiruvananthapuram, India. (*Poster Presented*)
- The XL All India Cell Biology Conference and International Symposium on Functional Genomics and Epigenomics, 17th – 19th November, 2016, held in Jiwaji University, Gwalior, India. (*Poster Presented*)
- Symposium on Gene-Environment Interaction in Disease, Development and Evolution, 5th – 6th March, 2017, held in Banaras Hindu University, Varanasi, India. (*Poster Presented*)
- 9th RNA Group Meeting, 26th – 28th October, 2017, held in Banaras Hindu University, Varanasi,

India. (***Award for Best Poster Presentation***)

- 18th International Congress of Developmental Biology, 18th – 22nd June, 2017, held in National University of Singapore, Singapore.
  (*Poster Presented*)

- International Congress of Cell Biology 2018 The Dynamic Cell: Molecules and Networks to Form and Function, 27th – 31st January, 2018, held in CCMB, Hyderabad, India.
  (*Poster Presented*)

Membership of Societies

Life Member of Indian Society of Cell Biology (Regd.)

Skills and Experience

- ***Molecular biology*** – DNA, RNA and protein methods, cloning and over-expression of ORFs, genetic mapping though genomic walking and mutation mapping, functional genomics
- ***Imaging*** – analysis of cell biology through bright field, phase optics and confocal microscopy; image chosen for Cover Image in *Cell and Tissue Research*, Volume 386:2, November, 2021.
- ***Bioinformatics*** – *in silico* modeling of proteins and their validation, along with structural analyses and docking
- ***Genetics*** – analyses of genetic interaction and pathway mapping *via* creation of genetic backgrounds through genetic crosses using transgenic *Drosophila* lines and subsequent analyses of phenotypes and developmental *vis-à-vis* cell biological parameters and/or perturbations.
- ***Teaching*** – instructor for cell, molecular and developmental biology practicals at undergraduate and post-graduate classes; instructor for Molecular and Human Genetics special paper at post-graduate level. Have guided more than 10 students in dissertation at undergraduate (Bachelors) and post-graduate (Masters) level.

Scientific Publications

- **Kunar R.**, Roy J.K. (2017). *DCP2*: An essential player of epithelial morphogenesis and neuronal development in *Drosophila*. *Mechanisms of Development* 145: S63. (**IF: 2.176**)

- Mishra R[1]., **Kunar R[1].**, 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. (**IF: 3.154**)
  [1]Equal 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. (**IF: 5.249**)

- **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)

Details of Referees

Name	Address	Email address	Ph. No.
Prof. Jagat Kumar Roy (Ph.D. Supervisor)	Cytogenetics Laboratory, Dept. of Zoology, Institute of Science, Banaras Hindu University, Varanasi – 221005, U.P., India	jkroy@bhu.ac.in	(+91)9451525929
Prof. Madhu G. Tapadia	Cytogenetics Laboratory, Dept. of Zoology, Institute of Science, Banaras Hindu University, Varanasi – 221005, U.P., India	madhu@bhu.ac.in	(+91)9415225678
Prof. A. Gregory Matera (Post Doc Mentor)	Biological and Genome Sciences (iBGS), University of North Carolina, Chapel Hill, NC 27599, USA	matera@unc.edu	(+1)9193147742
Prof. Sarmistha Raychaudhuri	Department of Biophysics, Molecular Biology & Bioinformatics, University of Calcutta, 92, Acharya Prafulla Chandra Road, Kolkata – 700009, West Bengal, India	sarmistharc@gmail.com	(+91)9830476747