

## ***Dr. Priyanka Guru***



**Designation:** **Assistant Professor,**  
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### **EDUCATIONAL QUALIFICATIONS:**

- Ph.D. - Health Sciences (2015) – Interdisciplinary School of Health Sciences, Savitribai Phule Pune University, Pune
- M.Sc. - Health Sciences (2009) – Interdisciplinary School of Health Sciences, Savitribai Phule Pune University, Pune
- B.Sc. - Zoology (2005) – Fergusson College, Pune
- Higher Secondary in Science (2002) - Maharashtra Board of Secondary Education

## **EMPLOYMENT EXPERIENCE:**

- **Assistant Professor**, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Dr. D Y Patil Vidyapeeth, Tathawade, Pune (2018 – till date)
- **Subject Expert**, Chegg India Pvt. Ltd. (2017- 2018)
- **Spoken English Trainer**, Online Spoken English Trainer at Speechify, Bakar Technologies Pvt. Ltd. (October 2016 – April 2017)
- **Project assistant, DST-PURSE** Interdisciplinary School of Health Sciences, Savitribai Phule Pune University, Pune, India. (2010-2013)
- **Teaching Associate**, Interdisciplinary School of Health Sciences, Savitribai Phule Pune University (2008 –2010)

## **FIELD OF SPECIALIZATION:**

Epigenetics/ Genetics/ Epidemiology / Molecular Biology

### **Specific Areas of Research Interest:**

- Epigenetic markers associated with onset of Parkinson's disease
- Use of epigenetic markers in diagnosis

## **ACADEMIC ACTIVITIES:**

### **Teaching & Research Experience:**

1. **Research trainee**, National AIDS Research Institute (NARI), Pune, India (>10 months)
2. **Teaching Associate**, Interdisciplinary School of Health Sciences, Savitribai Phule Pune University , (1.5 years)
3. **Project Assistant**, Interdisciplinary School of Health Sciences, Savitribai Phule Pune University, Pune, India (3 years)
4. **Assistant Professor**, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Dr. D Y Patil Vidyapeeth, Tathawade, Pune (2.5 years)

### **No. of Ph.D., Postdoctoral, B. Tech, M. Tech. /M.Sc. students Guided:**

1. Ph. D. : Nil
2. Postdoctoral : Nil
3. M.Sc, M.Tech and B. Tech: 1

## **No. of Funded/Non-Funded (as Fellow) Research Projects Completed and in Hand:**

### **(A) Projects awarded as Principal Investigator by DPU:**

1. Identification of histone acetylation markers associated with onset of Parkinson's disease.  
(Amount sanctioned: 3 lakhs, (2019-2020).

### **(B) Projects Handled (as Fellow):**

1. DST PURSE-Project Fellow: 'Characterization of the strain *In(1)B<sup>M2</sup>(reverted)* of *Drosophila melanogaster*.' at Interdisciplinary School of Health Sciences, Savitribai Phule Pune University
2. M. Sc. Dissertation Project: "Sequence and expression analysis of the *mof* gene in the strain *In(1)B<sup>M2</sup>(reverted)* of *Drosophila melanogaster*" at Interdisciplinary School of Health Sciences, Savitribai Phule Pune University

## **Member in Different Internal Committees (Administrative/Research /Academic Committees):**

- Anti-ragging Committee
- Parent – Teacher Association Committee
- IQAC (Internal Quality Assurance Cell) (NAAC cell)
- Anti-Ragging Squad
- Committee for Barrier Free Access to the Persons with Disability

## **RESEARCH PAPERS IN PEER REVIEWED JOURNALS:**

### **(a) Publications (Original Paper):**

1. **Guru, P.**, Bhosale, P. and Kar, A. 2011. Sequence variations in dosage compensation genes and histone deacetylases in *In(1)BM2(reverted)* of *Drosophila melanogaster*. *Dros. Inf. Serv.* 94, 84-86.

### **(b) Manuscripts under preparation:**

1. **Guru, P.**, and Kar, A. Revisiting Pavan's "pompons": Cold shock induced perturbation of immune response genes in *In(1)B<sup>M2</sup>(reverted)* males showing pomponization of the male sex chromosome.
2. **Guru, P.**, Kulkarni-Shukla, S. and Kar, A. Effect of rotenone exposure on *In(1)B<sup>M2</sup>(reverted)* males

### **(c) Posters presented:**

1. **Guru, P.** and Kar, A. Link between dosage compensation and cold shock induced phenotype in the strain *In(1)BM2(reverted)* of *Drosophila melanogaster* at National Research Scholars Meet in Life Sciences, Mumbai, India, 2012
2. **Guru, P.** and Kar, A. Characterization of the *mof* (histone acetyl transferase) gene in the strain *In(1)BM2(reverted)* of *Drosophila melanogaster* at Avishkar, Savitribai Phule Pune University, India, 2010
3. **Guru, P.** and Kar, A. Cold shock induced increase in histone acetyltransferase MOF in a mutant strain of *Drosophila melanogaster* at Indo US Workshop Epigenetic Regulation and Genome Control, Hyderabad, India, 2009

**(d) Conferences/Workshops attended:**

1. International Virtual Hands-on workshop on Meta-Analysis By Dr. D Y Patil Medical College & Research Institute, 21st and 22nd July 2020
2. Real Time PCR Training by Applied Biosystems, 14th to 16th September 2011
3. Course on Design of Behavioral Interventions using clinical trial methodology by Dr. Trevor Hart, Director HIV preventive laboratory from Ryerson University, Canada, 8th-12th April 2011
4. Biorisk Management Training workshop, conducted by Sandia National Laboratories with collaboration at National Institute of Virology India, October 27-29, 2009
5. Workshop on Biosafety Level 3, conducted by Emory University, USA at National Institute of Virology India, February 2009
6. ICMR-NIH Bioethics Workshop (part of ICMR-NARI collaboration), September 2008