



Dr. D.Y. Patil Vidyapeeth, Pune  
Dr. D. Y. Patil Biotechnology and Bioinformatics Institute  
Mumbai- Bangalore High way, Tathawade, Pune 411 033  
Mail: info.biotech@dpu.edu.in, Website: biotech.dpu.edu.in

---

## Priyanka Guru, PhD

**Designation:** Assistant Professor

**Email ID. :** [priyankaguru@dpu.edu.in](mailto:priyankaguru@dpu.edu.in); [priyankaguru@gmail.com](mailto:priyankaguru@gmail.com)

**Telephone No.:** +91-20-67919444

**Research Area:** Epigenetics, chromatin biology

### Academic Qualifications:

- **Ph.D.** Health Sciences 2015  
Interdisciplinary School of Health Sciences, Savitribai Phule Pune University, Pune, India  
Title: “Characterization of the mutant strain *In(1)B<sup>M2</sup>(reverted)* of *Drosophila melanogaster*”
- **Master of Science in Health Sciences** 2008  
Interdisciplinary School of Health Sciences, Savitribai Phule Pune University, Pune, India
- **Bachelor of Science in Zoology** 2005  
Fergusson College, Pune, India

### Teaching experience

- **Assistant Professor**, Dr. D Y Patil Biotechnology and Bioinformatics Institute, Dr. D Y Patil Vidyapeeth, Pune, March 2018-till date
- **Subject Expert**, 2017- 2018  
Chegg India Pvt. Ltd.
- **Spoken English Trainer**, October 2016 – April 2017  
Online Spoken English Trainer for Turkish students at Speechify, Bakar Technologies Pvt. Ltd.
- **Teaching Associate**, 2008 –2010  
Interdisciplinary School of Health Sciences, Savitribai Phule Pune University  
Course taught: Genetic and cell engineering, Molecular Biology Laboratory Methods

### Research Experience:

- **Project assistant, DST-PURSE** 2010-2013  
Interdisciplinary School of Health Sciences,  
Savitribai Phule Pune University, Pune, India.
- **Research trainee**, May 2007- June 2007  
National AIDS Research Institute (NARI), Pune, India.

### Publications

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

### Manuscripts in preparation

- **Guru, P.**, and Kar, A. Revisiting Pavan's "pompons": Cold shock induced perturbation of immune response genes in *In(1)BM2(reinverted)* males showing pomponization of the male sex chromosome.
- **Guru, P.**, Kulkarni-Shukla, S. and Kar, A. Effect of rotenone exposure on *In(1)B<sup>M2</sup>(reinverted)* males

### Electronic publications

- **GenBank** , 2012  
Accession no. JQ663518.1 to JQ663533.1 (16 genes)  
Authors: **Guru P.** and Kar A.
- **GEO (NCBI) microarray data submission**, 2015  
Accession No.GSE74673  
Author: **Guru P.**

### Abstracts published

- **Guru, P.** and Kar, A. Link between dosage compensation and cold shock induced phenotype in the strain *In(1)BM2(reinverted)* of *Drosophila melanogaster* at National Research Scholars Meet in Life Sciences, Mumbai, India, 2012
- **Guru, P.** and Kar, A. Characterization of the *mof* (histone acetyl transferase) gene in the strain *In(1)BM2(reinverted)* of *Drosophila melanogaster* at Avishkar, Savitribai Phule Pune University, India, 2010
- **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.

### **Workshops/ Courses**

- **Real Time PCR Training** by Applied Biosystems, 14th to 16th September 2011
- 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
- **Biorisk Management Training workshop**, conducted by Sandia National Laboratories with collaboration at National Institute of Virology India, October 27-29, 2009
- **Workshop on Biosafety Level 3**, conducted by Emory University, USA at National Institute of Virology India, February 2009
- **ICMR-NIH Bioethics Workshop** (part of ICMR-NARI collaboration), September 2008