

AMEEK BHALLA

EXPERIENCE

- Present | 2015
- **Doctoral Researcher**
Institute of Genomics & Integrative Biology
• Analysis of high-dimensional data
• Functional genomics
📍 New Delhi, India
- Present | 2020
- **Content Editor**
Cureus Inc.
• Editorial review of medical articles
📍 Palo Alto (remote)
- 2020 | 2017
- **Editor**
Cactus Communications Pvt. Ltd.
• Academic editing for life-science journals
📍 Mumbai (remote)
- 2015 | 2012
- **Graduate Research Assistant**
Institute of Genomics & Integrative Biology
• Statistical inference for large-scale assays
• Modeling diabetes in *Drosophila*
📍 New Delhi, India
- 2012 | 2007
- **Graduate Research Assistant**
Indian Institute of Science
• Expression of human genes in *Drosophila*
• Modeling Alzheimer's disease in *Drosophila*
📍 Bangalore, India

EDUCATION

- Present | 2015
- **Institute of Genomics & Integrative Biology**
PhD candidate, Genomics
📍 New Delhi, India
- 2013
- **Punjab Technical University**
MSc, Biotechnology
📍 New Delhi, India
- 2007
- **University of Delhi**
PG diploma, Biochemical Technology
📍 New Delhi, India
- 2006 | 2003
- **University of Delhi**
BSc (honors), Biomedical Sciences
📍 New Delhi, India

PEER-REVIEWED PUBLICATIONS

- 2020
- [Paternal inheritance of diet induced metabolic traits correlates with germline regulation of diet induced coding gene expression](#)
Teltumbade M, **Bhalla A**, Sharma A. Genomics, 112(1):567-573.
- 2019
- [Transgenerational inheritance of cold temperature response in *Drosophila*](#)
Karunakar P, **Bhalla A**, Sharma A. FEBS Letters, 593(6):594-600.

CONTACT

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DATA SCIENCE SKILLS

Languages
R, Markdown, Bash

Regression
GLMM

Decision trees
random forest, bagging

Resampling
cross validation, bootstrapping

Clustering
k-means, hierarchical

Dimensionality reduction
PCA, MDS

LAB RESEARCH SKILLS

Experimental design
fractional factorials, pseudoreplication, hypothesis tests

Genomics
microarray, RNAi

Molecular biology
cloning, qPCR, western blotting

Drosophila genetics
GAL4-UAS system, genetic crossing

Written in  language.
[Source code on GitHub.](#)
2020-07-16.