

AMEEK BHALLA

EXPERIENCE

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

Regression

GLM, 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.](#)
2020-08-25.