










AMEEK BHALLA

EXPERIENCE

Present 2015	<ul style="list-style-type: none">● Doctoral Researcher Institute of Genomics & Integrative Biology<ul style="list-style-type: none">• Analysis of high-dimensional data• Functional genomics	 New Delhi, India
Present 2020	<ul style="list-style-type: none">● Content Editor Cureus Inc.<ul style="list-style-type: none">• Editorial review of medical articles	 Palo Alto (remote)
2020 2017	<ul style="list-style-type: none">● Editor Cactus Communications Pvt. Ltd.<ul style="list-style-type: none">• Academic editing for life-science journals	 Mumbai (remote)
2015 2012	<ul style="list-style-type: none">● Graduate Research Assistant Institute of Genomics & Integrative Biology<ul style="list-style-type: none">• Statistical inference for large-scale assays• Modeling diabetes in <i>Drosophila</i>	 New Delhi, India
2012 2007	<ul style="list-style-type: none">● Graduate Research Assistant Indian Institute of Science<ul style="list-style-type: none">• Expression of human genes in <i>Drosophila</i>• Modeling Alzheimer's disease in <i>Drosophila</i>	 Bangalore, India



EDUCATION

Present 2015	<ul style="list-style-type: none">● Institute of Genomics & Integrative Biology PhD candidate, Genomics	 New Delhi, India
2013	<ul style="list-style-type: none">● Punjab Technical University MSc, Biotechnology	 New Delhi, India
2007	<ul style="list-style-type: none">● University of Delhi PG diploma, Biochemical Technology	 New Delhi, India
2006 2003	<ul style="list-style-type: none">● University of Delhi BSc (honors), Biomedical Sciences	 New Delhi, India

PEER-REVIEWED PUBLICATIONS

2020	<ul style="list-style-type: none">● 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	<ul style="list-style-type: none">● Transgenerational inheritance of cold temperature response in <i>Drosophila</i> 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 at
github.com/ameekbhalla/cv
2020-07-15.