

AMEEK BHALLA

EXPERIENCE

- Present
|
2017
- **Senior Research Fellow (Genomics)**
Institute of Genomics & Integrative Biology 📍 New Delhi, India
 - Designed, executed, and analyzed quantitative genetic experiments, containing 480,000 data points, to infer the heritability of metabolic traits
- 2017
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2015
- **Graduate Research Fellow (Computational Biology)**
Institute of Genomics & Integrative Biology 📍 New Delhi, India
 - Implemented mixed models to handle nested data, increasing statistical power by 1000%
 - Invented techniques for mass production and processing of biological replicates, resulting in the publication of two research articles
- 2015
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2012
- **Project Manager (Diabetes Genetics)**
Institute of Genomics & Integrative Biology 📍 New Delhi, India
 - Operationalized a government project (CSIR, India) by managing procurement, troubleshooting protocols, and training five new colleagues
 - Evaluated 50 candidate genes for diabetes using 200 transgenic constructs in *Drosophila*
- Present
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2020
- **Freelance Content Editor (Medicine)**
Cureus Inc. 📍 Palo Alto (remote)
Scored a 4.9/5 from authors for critiquing the statistics, data visuals, and semantics of 150 manuscripts, along with an international team
- 2020
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2017
- **Freelance Copy Editor (Molecular Biology)**
Cactus Communications Pvt. Ltd. 📍 Mumbai (remote)
 - Boosted the readability of 300 manuscripts from more than 10 developing countries, enhancing their acceptance by life science journals
- 2012
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2007
- **Research Assistant (Alzheimer Genetics)**
Indian Institute of Science 📍 Bangalore, India
 - Pioneered a low-cost technique for measuring long-term memory of classical conditioning in *Drosophila*

EDUCATION

- 2021
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2015
- **Institute of Genomics & Integrative Biology**
Ph.D. candidate, Computational Biology/Genomics 📍 New Delhi, India
- 2007
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2006
- **University of Delhi**
Postgraduate diploma, Biochemical Technology 📍 New Delhi, India
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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**, and Sharma A; Genomics, 112:567-573
- 2019
- [Transgenerational inheritance of cold temperature response in *Drosophila*](#)
Karunakar P, **Bhalla A**, Sharma A; FEBS Letters, 593:594-600

CONTACT

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in [linkedin.com/in/ameekbhalla](https://www.linkedin.com/in/ameekbhalla)
🐙 github.com/ameekbhalla

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, repeated measures, meta-analyses

Genomics
microarray, RNAi

Molecular biology
cloning, qPCR, western blotting

Drosophila genetics
GAL4-UAS system, genetic crossing

Written in  language
[Source code on GitHub](#)
Last updated 2021-03-08