

AMEEK BHALLA

EXPERIENCE

- Present | 2017
- Institute of Genomics & Integrative Biology** New Delhi, India
Senior Research Fellow (Genomics)
 - Designed, executed, and analyzed quantitative genetic experiments, containing 480,000 data points, to infer the heritability of metabolic traits
- 2017 | 2015
- Graduate Research Fellow (Computational Biology)**
 - 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 | 2012
- Project Manager (Diabetes Genetics)**
 - 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 | 2020
- Cureus Inc.** Palo Alto (remote)
Freelance Content Editor (Medicine)
Scored a 4.9/5 from authors for critiquing the statistics, data visuals, and semantics of 150 manuscripts, along with an international team
- 2020 | 2017
- Cactus Communications Pvt. Ltd.** Mumbai (remote)
Freelance Copy Editor (Molecular Biology)
 - Boosted the readability of 300 manuscripts from more than 10 developing countries, enhancing their acceptance by life science journals
- 2012 | 2007
- Indian Institute of Science** Bangalore, India
Research Assistant (Alzheimer Genetics)
 - Pioneered a low-cost technique for measuring long-term memory of classical conditioning in *Drosophila*

EDUCATION

- 2021 | 2015
- Institute of Genomics & Integrative Biology** New Delhi, India
Ph.D. candidate, Computational Biology/Genomics
- 2007 | 2006
- University of Delhi** New Delhi, India
Postgraduate diploma, Biochemical Technology
- 2006 | 2003
- University of Delhi** New Delhi, India
BSc (honors), Biomedical Sciences

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

- New Delhi, India
ameekbhalla@gmail.com
[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