

GADHA K LEONS

Ph.D. Student

AIIMS-New Delhi, India

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EDUCATION QUALIFICATIONS:

Ph.D. (Hematologic Oncology; B-ALL)

Apr 2022 – Present

All India Institute of Medical Sciences (AIIMS), New Delhi, India

Advanced PG Diploma in Life Science Technologies

2020 – 2021

SRM-DBT Platform for Advanced Life Science Technologies, SRMIST, Chennai, India

MSc in Applied Genetics

2017 – 2019

Centre for Applied Genetics, Bangalore University, Karnataka, India

CGPA: 7.8 (1st Class Distinction)

BSc with Genetics, Microbiology and Biochemistry

2014 – 2017

Ramaiah College of Arts, Science and Commerce (Affiliated to Bangalore University), India

CGPA: 8.42 (1st Class Exemplary)

RESEARCH EXPERIENCE:

All India Institute of Medical Sciences (AIIMS), Delhi, India

Oct 2021 – Aug 2024

Junior Research Fellow

Title of the project: Study of prevalence and profile of predictive and prognostic molecular genetic aberrations in BCR-ABL1 negative B-cell acute lymphoblastic leukemia (B-ALL): A step towards personalized medicine

SRM-DBT Platform, SRMIST, Chennai, India

Jan 2021- July 2021

PG Diploma Dissertation

Title of dissertation: Phylogenetic Analysis and Molecular Docking studies of SARS-CoV-2 genomes in South Indian Population

Bangalore University, Bangalore, Karnataka, India

Jan 2019 – Jul 2019

Master's Dissertation

Title of dissertation: Sperm Morphology Diversity in Caecilians (Amphibia: Gymnophiona) of Western Ghats

PUBLICATIONS:

- Gupta, S.K., **Leons, G.K.** Genetics of B-Cell Acute Lymphoblastic Leukemia (B-ALL): Recent Updates and Indian Perspective. *Indian J Hematol Blood Transfus* (2025). <https://doi.org/10.1007/s12288-025-01988-y>
 - **Leons, G. K.**, Sharma, P., Gupta, S. K., Gupta, R., Rani, L., Gajendra, S., Roy, A., Sahoo, R. K. (2023). Detection of a novel SNX2 gene breakpoint in the SNX2::ABL1 fusion transcript in Ph-like B-cell acute lymphoblastic leukemia. *Pediatric blood & cancer*. doi: 10.1002/pbc.30546
 - Sharma, P., Gupta, S. K., **Leons, G. K.**, Bakhshi, S., Gupta, R., Rani, L., Gajendra, S., Roy, A., & Pushpam, D. (2022). IKZF1::CIITA, a novel fusion transcript in a case of relapsed B-cell acute lymphoblastic leukemia. *Pediatric blood & cancer*, 70(1), e29872. <https://doi.org/10.1002/pbc.29872>
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CONFERENCE ABSTRACTS:

- Is the Distribution of Gene Copy Number Alteration in Ph-Positive B-ALL Different From Ph-Negative B-ALL? **Leons, Gadha K** et al. *Clinical Lymphoma, Myeloma and Leukemia*, 2023, Volume 23, S253 - S254
- Adverse clinical impact of RB1 gene deletions alone and with concurrent IKZF1 gene deletions in pediatric B-cell acute lymphoblastic leukemia. **Leons, Gadha K** et al. *Blood Research*, Volume 59, 2024, pg No: 209

SKILLS:

- Next Generation Sequencing (Illumina Chemistry), RNA Sequencing and analysis
 - Sanger sequencing and data analysis
 - Multiplex ligation probe amplification (MLPA), Real time PCR (qPCR)
 - Flow Cytometry, Animal cell Culture Techniques, Microinjection
 - Bioinformatics (RNA Seq data analysis, Protein Structure Modeling, Protein-Protein Docking)
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CERTIFICATES:

- Cleared JGEEBILS 2021 (Reference No.: GS2021BIOPHD030224)
 - GATE 2020: AIR- 1289, GATE Score- 475 (Roll No.: XL20S31216051)
 - Training in “Engineering Zebrafish with CRISPR Tools” (5th – 21st March 2020) conducted by CSIR-CCMB
 - Certificate in Training on Animal Cell Culture Techniques (5th – 28th February 2020) from CellKraft Biotech Pvt. Ltd
 - Certificate in Genetic Counseling by IMAeVarsity and Martin Luther Christian University
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