**GADHA K LEONS**

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**Ph.D. Student**

**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>

**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)

**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