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ACADEMIC QUALIFICATIONS

2016: Ph.D in Biotechnology (Cancer Genetics) (Regional Cancer Centre, Thiruvananthapuram/ University of Kerala)

2005: M.Sc Biotechnology (University Campus, Kariavattom/ University of Kerala)

2003: B.Sc Biotechnology (St.Xaviers College, Thumba/ University of Kerala)

FELLOWSHIPS/AWARDS

2007: Qualified in National Educational Testing, University Grants Commission, New Delhi

2008: Qualified in Junior Research Fellowship Examination, Indian Council of Medical Research, New Delhi

EXPERIENCES

2009-2011: ICMR -JRF, Regional Cancer Centre, Thiruvananthapuram

2011-2014: ICMR- SRF, Regional Cancer Centre, Thiruvananthapuram

01.03.2016-30.04.2024: Scientist B, Jubilee Centre for Medical Research, JMMC&RI, Thrissur

01.05.2024-Present: Scientist C, Jubilee Centre for Medical Research, JMMC&RI, Thrissur

RESEARCH AREAS OF INTERESTS

- ✚ Reproductive Biology
- ✚ Characterization of chromosomal rearrangements in human genetic disorders
- ✚ Cancer Biology

RESEARCH PUBLICATIONS

1. Vijay S, Sarojam S, **Raveendran S**, Syamala V, Leelakumari S, Narayanan G, Hariharan S. (2012). Recurrent isochromosome 21 and multiple abnormalities in a patient suspected of having acute myeloid leukemia with eosinophilic differentiation - a rare case from South India. **Chin J Cancer**, 31(1):45-50.
2. Santhi Sarojam, **Sureshkumar Raveendran**, Geetha Narayanan, Hariharan Sreedharan. (2013). Novel t(7;10)(p22;p24) along with NPM1 mutation in patient with relapsed acute myeloid leukemia. **Ann Saudi Med**, 33(6): 619-622.
3. **R Sureshkumar**, S Santhi, V Sangeetha, N Geetha, S Hariharan. (2014). Significance of nucleophosmin1 (NPM1) gene mutation status on acute myeloid leukaemia patients with normal karyotype in South India. **Molecular Cytogenetics**, 7 (Suppl 1):P71.
4. **Sureshkumar Raveendran**, Santhi Sarojam, Geetha Narayanan, Hariharan Sreedharan.(2014). A novel chromosomal abnormality t(9;14)(p24;q13) in B-acute lymphoblastic leukemia. **Indian J Hum Genet**, 20(1):79-81.
5. Santhi Sarojam, Sangeetha Vijay, **Sureshkumar Raveendran**, Jayadevan Sreedharan, Geetha Narayanan, Hariharan Sreedharan. (2014). FLT3 Mutation as a Significant Prognostic Marker in de novo Acute Myeloid Leukemia Patients: Incidence, Distribution and Association with Cytogenetic Findings in a Study from South India. **Middle East Journal of Cancer**, 5(4): 185-196.
6. **Sureshkumar Raveendran**, Santhi Sarojam, Sangeetha Vijay, Aswathy Chandran Geetha, Jayadevan Sreedharan, Geetha Narayanan, Hariharan Sreedharan. (2015). Mutation Analysis of *IDH1/2* Genes in Unselected *De novo* Acute Myeloid

Leukaemia Patients in India – Identification of a Novel IDH2 Mutation. **Asian Pac J Cancer Prev**,16(9):4095- 101.

7. Santhi Sarojam, **Sureshkumar Raveendran**, Sangeetha Vijay, Jayadevan Sreedharan, Geetha Narayanan, Hariharan Sreedharan.(2015). Characterization of CEBPA Mutations and Polymorphisms and their Prognostic Relevance in De Novo Acute Myeloid Leukemia Patients. **Asian Pac J Cancer Prev**,16(9):3785-92.

8. **Sureshkumar Raveendran**, Santhi Sarojam, Sangeetha Vijay, Shruti Prem, Hariharan Sreedharan.(2015). A case report of concurrent *IDH1* and *NPM1* mutations in a Novel t(X;2)(q28;p22) in Acute Myeloid Leukaemia without maturation (AML-M1). **Malays J Med Sci**,22(5): 93-97.

9. Sangeetha Vijay, Geetha N, Santhi sarojam, **Sureshkumar Raveendran**, Hariharan sreedharan.(2016). Enigmatic Inv(9): A case report on rare findings in hematological malignancies. **Iran Red Crescent Med J**, 18(4): e25062.

10. Santhi S, Sangeetha V, **Sureshkumar R**, Sreeja L, George PS, Geetha N, Hariharan S.(2017). Risk effects of XRCC1Arg399Gln and XPD Lys751Gln gene polymorphisms in de novo acute myeloid leukemia–A study from India. **Indian Journal of Biotechnology**, 16(3):275-283.

11. Chandran RK, Geetha N, Sakthivel KM, **Kumar RS**, Krishna KM, Sreedharan H (2019). Impact of Additional Chromosomal Aberrations on the Disease Progression of Chronic Myelogenous Leukemia. **Frontiers in oncology**. 9.

12. Chandran RK, Geetha N, Sakthivel KM, **Kumar RS**, Krishna KM, Sreedharan H. (2019). Differential gene expression changes and their implication on the disease progression in patients with Chronic Myeloid Leukemia. **Blood Cells, Molecules, and Diseases**. 77:51-60.

13. **Raveendran SK**, Ramachandran L, Joseph L, Asokan AK, Raj S, George A, James J (2019). A novel SRY gene mutation c. 266 A> T (p. E89V) in a 46, XY complete gonadal dysgenesis patient. **Andrologia**. 51(9):e13377.

14. Raj TA, Gopinath P, Raj JG, Narayanan G, Nair SG, Philip DS, Raveendran S, Geetha P, Sreedharan H. Acute myeloid leukemia patients with variant or unusual translocations involving chromosomes 8 and 21–A comprehensive cytogenetic

profiling of three cases with review of literature (2022). **Journal of Cancer Research and Therapeutics**. 18(3), pp.697-703.

15. Ragitha TS, Sunish KS, Gilvaz S, Daniel S, Varghese PR, Raj S, Francis J, **Kumar RS**. Mutation analysis of *WNT4* gene in *SRY* negative 46, XX DSD patients with Mullerian agenesis and/or gonadal dysgenesis-An Indian study (2023). **Gene**.861:147236.

16. Raj S, Varghese L, Narayanan PV, **Raveendran SK**, Varghese PR, George A. Identification of heterochromatic variations in nonsyndromic cleft lip and palate (2023). **Journal of Orofacial Sciences**.15(1):55-60.

17. Francis J, Sebastian H, Daniel S, Gilvaz S, TS Ragitha, Susan George S, Varghese L, Varghese PR, **Raveendran SK**. Association of the MCP-1 rs1024611 Polymorphism with Polycystic Ovary Syndrome in the Indian Population (2024). **International Journal of Fertility and Sterility** (Article in Press).

18. Usha K N Pai, Ragitha TS, Aboobacker Mohammed Rafi, Mithun Chacko John, Soumya Raj, Jerry Earali, **Suresh Kumar Raveendran**. Genetic analysis of driver mutations in Classical Myeloproliferative Neoplasms- a study from South Indian tertiary care center (2024). **The Egyptian Journal of Haematology** (Article in Press).

PROFESSIONAL MEMBERSHIPS

Life Member- Indian Association of Cancer Research

Life Member- Indian society for Human genetics

SCIENTIFIC PRESENTATIONS

2011: International Symposium on Translational Research, Rajasthan, India

2013: Indian Association for Cancer Research (IACR), New Delhi, India

2014: Indian Society of Human Genetics (ISHG), Gujarat, India

2017: Kerala Science Congress, Thiruvalla, Kerala, India

2020: Indian Society of Human Genetics (ISHG), Chennai, India

2020: Resource person for the webinar series organized by Department of Biotechnology, College of agriculture, Vellayani, Thiruvananthapuram

2021: Resource person for the webinar organized by Department of

Biotechnology, St. Joseph College, Irinjalakuda, Thrissur

2023: Resource person for the 3-day International conference on 'Emerging Trends in Genomics and BioMedicine organized by IUCGGT, Trivandrum.

DISSERTATIONS SUPERVISED: MSc Life science (35), MD (3)

JOURNAL REVIEWER

Indian Journal of Experimental Biology

International Journal of Obesity

TRAININGS ATTENDED

- ✚ Received hands-on experience in Recombinant Protein Expression & Purification at Centre for cellular and molecular platforms, **C-CAMP facility at NCBS, Bangalore (2nd to 6th December 2019)**
- ✚ Received hands -on training in Molecular Diagnostics from Molecular Pathology Laboratory, **Tata Memorial Hospital, Mumbai (19th to 23rd September 2022).**
- ✚ Received hands -on training in "Exome sequencing and Analysis," Organized by **CDFD, Hyderabad (29th April to 3rd May 2024).**

ON-GOING PROJECTS (as Co-I)

1. Elucidating the association of serum protein levels and genetic polymorphisms of FABP4 with obesity and breast cancer risk in post-menopausal obese women (ICMR Ad-hoc Project; Amount: 84 Lakhs; 2023-26).
2. Elucidating the contribution of aberrant mRNAs and differentially expressed micro RNAs of sperm RNA transcriptome to the etiopathogenesis of idiopathic male infertility and evaluating their potentials as novel diagnostic biomarkers (DHR Project, Amount : 51 Lakhs; 2023-2026).