Dr. SURESH KUMAR R, PhD

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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

2016-Present: Scientist B, Jubilee Centre for Medical Research, JMMC&RI, Thrissur

RESEARCH AREAS OF INTERESTS

- Genetics and Epigenetics of Haematological Malignancies
- Reproductive Biology

- Characterization of chromosomal rearrangements in human genetic disorders

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.(IF-1.3)

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.

PROFESSIONAL MEMBERSHIPS

Life Member- Indian Association of Cancer Research

Life Member- Indian society for Human genetics

SCIENTIFIC PRESENTATIONS

2011: International Symposium on Translational Research, Rajastan, 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

GUIDESHIP: Approved Guide for KUHS in Paramedical and Applied Health Sciences

DISSERTATIONS SUPERVISED: MSc Life science **(25)**, MD **(3)**

TRAININGS ATTENDED

- Received hands-on experience in Recombinant Protein Expression & Purification at Centre for cellular and molecular platforms, C-CAMP facility at NCBS, Bangalore.
- Received hands –on training in Molecular Diagnostics from Molecular Pathology Laboratory, Tata Memorial Hospital and Mumbai.

ON-GOING PROJECTS

1. Elucidating the association of serum protein levels and genetic polymorphisms of FABP4 with obesity and breast cancer risk in post-menopausal obese women (Co-I, ICMR Ad-hoc Project, 2023-26).

RESEARCH TEAM

- Prof. Ravindran Ankathil (Scientist G)
- Mrs. Soumya Raj (Research assistant & PhD scholar)
- Ms. Ragitha T S (PhD scholar)
- Fr. Jijo Francis (PhD scholar)
- Ms. Mary Martin (PhD scholar)
- Fr. Roger Francis (PhD scholar)
- Ms. Meenakshi Nair (ICMR-JRF)