

SUGHOSHA S NAMBIAR

Kakkanad,Ernakulam [Kerala]

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EDUCATIONAL DETAILS

- **Post Graduate Diploma in Clinical Research and Pharmacovigilance from Institute of Clinical Research India (ICRI)** [August 2020-February 2021]
- **MSc in Biotechnology** from Nehru Arts and Science College (Bharathiar University, Coimbatore) with Distinction (2013-2015)
- **BSc in Biotechnology** from Amrita School of Biotechnology, Kollam with First class (2010-2013)

PROFESSIONAL POSITIONS, PROJECTS

1. Project Assistant

Employer, Location: **Centre for Human Genetics, Bangalore, Karnataka** Duration: January 2016- July 2020 (**4 years 6 months**)

Project: **Genetic and Epigenetic landscape of chemoresistance (since 2016)**

Roles and responsibilities: •Plan and lead the project experiments which mainly is cell culture-based (cell line development, cell-based assays, gene expression studies) • maintain lab inventories • laboratory management • Conduct Cell biology practical lessons for the students of the institute • train new recruits of the laboratory

2. Post-graduation dissertation project

Title: Urinary tract infections in cancer patients- Microbial spectrum and susceptibility

Location: ACTREC, Kharghar, Navi Mumbai.

Year and duration: 2015 (3 months)

3. Under graduation dissertation project

Title: Isolation, purification and characterization of Fibronectin isoforms and fragments.

Location: Amrita School of Biotechnology, Kollam, Kerala.

Year and duration: 2013 (6 months)

SKILLS AND EXPERTISE

- **Expertise in Mammalian Cell culture** (mostly handling lung and breast cancer cell lines, cell line development, primary and continuous culture, freeze storing and reviving cells); basic cell based assays (MTT, Trypan blue exclusion assay, Cell mobility assay) ; practical experience in handling fibroblasts and immortalization of fibroblasts .
- Molecular biology techniques such as RNA extraction from tissues and human cell lines and DNA isolation, Agarose gel electrophoresis, PCR and Quantitative RT-PCR, cDNA preparation, Electroporation, etc.
- Collection of various types of tumor samples from hospitals and processing [inventory making, storage, homogenization, etc..].

- Practical experience in basic techniques like Competent cell production, Transformation and various other microbiology techniques.
- Exposure in handling laboratory equipments like PCR machine, Electroporator, UV spectrophotometer, Luminometer, Gel documentation system, Nanodrop, etc.
- Skilled in working with **GraphPad Prism** for data analysis and compilation.
- Efficient in laboratory management with outstanding organizing skills and planning, record keeping and teamwork.

PUBLICATIONS

- Mini review article on ‘**Non-canonical estrogen signaling in endocrine resistance**’ published in **Frontiers in Endocrinology**, section Cancer Endocrinology on 16th October 2019 [<https://doi.org/10.3389/fendo.2019.00708>].

CONFERENCES AND POSTER PRESENTATIONS

- Participated and presented Poster on “Understanding the role of non-coding RNAs as modulators of chemoresistance in lung cancer at 2nd Indian Cancer Congress held in Bangalore from 9th -12th November 2017.
- Participated in 42nd Annual meeting of the Annual Society of Human Genetics and International Symposium on Trends in Human Genetic Research and Management held from March 2-4, 2017 at J.N.Tata Auditorium, IISc, Bangalore.
- Participated and presented a paper on “Generation of rat-induced pluripotent stem cells from a new model of metabolic syndrome” in the National Conference on Biodiversity Conservation [NCBC’2014] in Sree Narayana Guru College, Coimbatore on 27th August 2014.
- Attended a course on “Fundamentals of food safety in manufacturing and HACCP principles and application in food industry” as a part of Post-graduation curriculum.
- Attended National Conference on “Ecotechnologies for wastewater treatments: Present challenges and future horizons [UGC XII plan merged scheme]” at Bharathiar University on 28th February 2014.

REFERENCES

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DECLARATION

I hereby declare that all the above information is true to the best of my knowledge.

SUGHOSHA S NAMBIAR