



## KAVITHA KANNAN

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### Lab Scientist/Research Associate & Genetic Counselor

Providing researcher in Molecular Biology, Microbiology, Developmental Biology and as genetic Counselor

Respected Lab Scientist/Research fellow with 3 years' experience as molecular biologist and microbiologist served in 3 projects. As a **Genetic Counselor**, trained for counseling into Reproductive Medicine and Down syndrome.

Key skills include:

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| <input type="checkbox"/> Nucleic acid isolation & Gel electrophoresis | <input type="checkbox"/> TA cloning                          |
| <input type="checkbox"/> C-PCR, RT-PCR, Q-PCR, IFA, ELISA, LAMP assay | <input type="checkbox"/> Heteroduplex Mobility Assay         |
| <input type="checkbox"/> Transformation                               | <input type="checkbox"/> Western Blot                        |
| <input type="checkbox"/> Enumeration of Bacteria                      | <input type="checkbox"/> Comet Assay                         |
| <input type="checkbox"/> In vitro Transcription                       | <input type="checkbox"/> Zebrafish husbandry                 |
| <input type="checkbox"/> Human Leucocyte culturing and Karyotyping    | <input type="checkbox"/> Basic CRISPR techniques             |
| <input type="checkbox"/> Phlebotomy                                   | <input type="checkbox"/> Microinjection in zebrafish embryos |

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### PROFESSIONAL EXPERIENCE

#### **Christian Medical College (CMC), Vellore, Tamil Nadu, India.**

• Lab Scientist/Research Associate (April-2019-Sep 2019)

• Junior Research Fellow (Oct 2017- March 2019)

Developed an immuno-chromatographic serological test that can be used as a point-of-care test for the diagnosis of scrub typhus in India

**Poster Presentation:** Performance of Molecular and serologic Tests for the Diagnosis of scrub Typhus

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

Junior Research Fellow (July 2017- Aug 2017)

Evaluated the type of birth defect presence and maintaining the data from multicenter and multinational, funded by WHO funded- Regional National for Newborn health and birth defect.

#### **CSIR- Institute of Genomics and Integrative Biology (IGIB), New Delhi, India**

Project Assistant II (July 2016 – June 2017)

As a team, we experimentally demonstrated that the transcript encoding the nuclear encoded ribosomal protein 11 (Rpl11) localizes to the mitochondria. This provides a starting point towards understanding the role of nuclear encoded transcripts that localize to mitochondria and their influence on mitochondrial function.

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### EDUCATION & CREDENTIALS

#### **VIT University, Vellore, Tamil Nadu**

Masters in Bio Medical Genetics (Specialization in Genetic Counseling), May 2016 (CGPA- 9.05/10)

#### **Madras University, Chennai**

Bachelors in Microbiology, April 2014 (CGPA - 8.5/10)