

# Jitendra Kumar C

Senior Research Associate

## Contact

### Address

Chennai, Tamilnadu, India.

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## Skills

### Cell Culture



### Assay Development



### Molecular Biology



### Downstream Processing



### Microbiology



### Lab safety



### Good Laboratory Practices (GLP)



Senior Research Associate specializes in establishing project objectives, developing experimental plan and effectively prioritizing tasks to meet time sensitive delivery goals. Meticulous and analytical Researcher with 2 years of educational and hands-on experience in Cell Culture, Molecular Biology, and Downstream Processing. Adaptive team player with in-depth knowledge of data collection, confidential document control and problem-solving.

## Work History

2021-08 to  
Current

### Senior Research Associate

*Syngene International Private Limited, Bangalore, Karnataka*

- Performed **Cell based assays** and research and documented findings.
- Trained in performing **transfection, target engagement and ternary complex formation assays**.
- Trained in handling liquid handling systems like **Echo, Tecan, Bravo**, and also proficient in working with automation systems like **Viaflow**,...etc.,
- Initiated, planned and executed research projects under supervision of Principal investigator.
- Generated and upload assay data and communicated results and reports to multi-disciplinary project teams to influence progression in discovery and development.

2021-05 to  
2021-08

### Research Executive

*Theragen Biologics Private Limited, Chennai, Tamil Nadu*

- Trained in downstream processing and various techniques involved in downstream processing lab.
- Proficient in handling **Mixing Vessels, High Pressure Homogenizer, Cryostat Tangential flow filtration systems** etc.,.
- Trained in handling **FPLC based packed columns like XK16, XK26, XK50 columns** of various proportions and efficient in handling systems like **AKTA GO and PURE**.

Experimental design



Very Good

## Languages

English



Excellent

Tamil



Excellent

Hindi



Excellent

French



Good

German



Basic

## Techniques

◆ Mammalian Cell Culture

◆ Primary Cell Isolation

◆ Cell Based Assays - Cell  
Viability Assays

◆ High Throughput  
Screening

◆ Polymerase Chain  
Reaction (PCR)

◆ Real-Time Polymerase  
Chain Reaction (qPCR)

2020-09 to  
2021-05

## BIRAC Project Fellow

*Maggenome Private Limited - BIRAC, Chennai, Tamil Nadu*

- Trained in field of Molecular Biology - **Novel Magnetic Nanoparticles based DNA / RNA extraction and quantification** from various sources of samples (mostly focused on diagnostics).
- Training in state of art equipments like **Nanodrop, Bio-analyzer, and PCR.**

2020-01 to  
2020-04

## Research Intern

*CAROT Labs Private Limited - Biotech Consortium India Limited, Chennai, Tamil Nadu*

- Training in field of Microbiology - **Culture, Maintenance, Production and Metabolite / Product Production.**
- Training in Aseptic Techniques, **Good Laboratory Practices (GLP)** and **Good Manufacturing Practices (GMP).**

2018-07 to  
2019-10

## Postgraduate Project

*Madras Institute of Technology, Chennai, India*

- Learned basics of cell culture techniques in order to develop cell culture models.
- Worked with **embryonic chick and developed neuron primary cell cultures** and also trained in maintenance and proliferation of **basic cell lines like N2a and EA.hy926.**
- Highly proficient in handling, maintaining, propagating and storage of cell cultures.
- Trained in handling **Teratogens, heavy metals and radioactive compounds.**

2016-10 to  
2017-05

## Undergraduate Project

*Indian Institute of Chromatography and Mass Spectrometry, Chennai, India*

- Trained in various techniques involved in **Chromatography and Mass Spectrometry.**
- Trained in working with **Liquid Chromatography**

- ◆ Reverse Transcription Polymerase Chain Reaction (RT-PCR)
- ◆ Multiplex PCR
- ◆ PCR Primer Design
- ◆ Assay Development
- ◆ Confocal Microscopy
- ◆ Fluorescence Microscopy
- ◆ Flow Cytometry
- ◆ High-Performance Liquid Chromatography (HPLC)
- ◆ HPLC-MS
- ◆ Automation
- ◆ Liquid Handling Systems
- ◆ DNA Extraction
- ◆ RNA Isolation
- ◆ ELISA
- ◆ Western Blotting

systems (Shimadzu) and in various approaches of Method Development for fine tuning efficiency of chromatographic process.

- Trained in analyzing samples from various sources both organic and inorganic like waste water, soil samples and industrial effluents.

## Education

2017-09 to 2019-10

**Master of Technology: Biotechnology**  
*Alagappa College of Technology - Anna University - Chennai*

- Relevant Coursework Completed:
  - Tissue Engineering
  - Regenerative Medicine
  - Advances in Molecular Pathogenesis.

2013-09 to 2017-05

**Bachelor of Technology: Biotechnology**  
*Anna University - Chennai*

- Relevant Coursework Completed:
  - Neurobiology and Cognitive Sciences
  - Stem Cell Technology

## Certifications

2016-09

Certified - Animal Handling, Tamilnadu Veterinary And Animal Sciences University - 3 days