

***Curriculum Vitae***

**Rohan**

**Contact me:**

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**Professional Profile**

Molecular Biologist seeking position as a **Research Assistant/ Laboratory assistant** to contribute my research and technical skills. Areas of expertise include Good management and communication skills with experience of working as a part of inter-disciplinary team.

**Education and Qualifications**

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| **BSc (hons)** | Molecular and | Cellular Biology | (2:1) (University of | 2010 |
|  | Central Lancashire, UK) |  |  |  |
|  | Modules undertaken: Molecular Biology, Genomic |  |
|  | Analysis, Cell Culture, Immunology, Pharmacology, |  |
|  | Microbiology, | Biochemistry, | Statistics | and |  |
|  | Bioinformatics. |  |  |  |  |

**Final year Thesis Titled ‘Is there a correlation between methylation/ demethylation and cancer’.**

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| **A Levels** | Physics, Chemistry, Biology, Mathematics, English, | 2007 |
|  | Hindi (72%) (Thakur College, Mumbai, India) |  |
| **10 GCSEs** | Science, Mathematics, English, Social Science, Hindi, | 2005 |
|  | Marathi (66.6%) (Sardar Vallabhbhai Patel Vidhyalaya, |  |
|  | Mumbai, India) |  |
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**Associated Laboratory Skills**

***Laboratory Techniques***

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|  | ***Molecular Biology Techniques*** | **qPCR.** |  |
|  |  | **Primer designing.** |  |
|  |  | **Restriction digestion.** |  |
|  |  | **DNA Sequencing analysis.** |  |
|  |  | **Polymerase Chain Reaction.** |  |
|  |  | **Agarose Gel Electrophoresis.** |  |
|  |  | **Cell Transfection utilising GFP protein.** |  |
|  |  | **DNA/RNA extraction using magnetic particles.** |  |
|  |  | **Spectro-analysis of DNA/RNA utilising Nanodrop machine.** |  |
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|  | ***Cell Culture Techniques*** | **Freezing/thawing and maintaining cell bank.** |  |
|  |  | **Maintaining and sub-culturing various cell lines via routine** |  |
|  |  | **culturing protocol (HEK293; U87MG, 1321N1 Glioblastoma cell** |  |
|  |  | **lines; SVGP12 human astrocytic cell line)** |  |
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|  | ***Microbiological Techniques*** | **Bacterial Cloning.** |  |
|  |  | **Formaldehyde Fixation.** |  |
|  |  | **Bacterial Plasmid extraction and purification.** |  |
|  |  | **Primer designing with restriction site overhangs.** |  |
|  |  | **Alkaline Phosphatase treatment for bacterial plasmid.** |  |
|  |  | **Bacterial Transformation (*Stbl3*, *NH10, Xl10, 10-beta E. Coli*** |  |
|  |  | **strains)** |  |
|  |  |  |  |
|  | ***Microscopy*** | **Live Cell Imaging.** |  |
|  |  | **Fluorescence Imaging.** |  |
|  |  |  |  |
|  |  | **Bright field microscopy.** |  |
|  |  |  |  |
|  |  | **Haemocytometer Cell counting.** |  |
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|  | ***Analytical Techniques*** | **Ion Exchange Chromatography.** |  |
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**Personal Skills**

Reliable, punctual and responsible individual with good language skills able to speak and understand four languages English, Hindi, Marathi and Gujarati. Good management and organisational skills allow me to prioritize my workload to maintain efficient progress. Able to work in a tense environment with calm and ease. I’m able to maintain adequate research activity logs and carry out duties with minimal supervision. Maintain appropriate COSHH and Risk Assessment forms and follow Health and Safety Regulations.

**Associated Experience**

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| ***Laboratory*** | **Duties and Responsibilities:** | **June 2016 – Oct** |  |
| ***Expert,*** |  | **2016** |  |
| Preparing large quantities of E-Liquids. |  |  |
| *Xyfil Ltd,* |  |  |
| *Preston, UK* | Maintaining high quality and standards of the product. |  |  |
|  | Keep up-to-date COSHH and Risk Assessment forms. |  |  |

***Lab Assistant,***

***Demonstrator***

***and Invigilator***

*University of Central Lancashire, U.K.*

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| --- | --- | --- |
| **Duties and Responsibilities:** |  | **September 2013-** |
|  |  | **February 2016** |
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Optimise and use various Molecular and cell biology techniques, data analysis, and liaise with clinical staff, order laboratory consumables and update COSHH and risk assessment, ethical issues. Supervisory assistance and provided theoretical/ practical knowledge for BSc and MSc projects within the School.

Training and demonstrating number of students in Cell Culture and Molecular Biology laboratories. Monitoring and guiding students in sample preparations, Cell Culture, Media Preparation, Cell Transfections, PCR sample preparation and Primer Design.

Invigilating and undertaking tutorial classes for undergraduate students and ensuring that the students followed proper protocols and adhered to COSHH and risk assessment regulations.

Transfer research skills to other undergraduate and postgraduate students and contribute to other research projects, prepare and present posters, presentations.

Worked and assisted on a PhD project thesis titled ‘**To construct a novel vector via cloning in a**

**Lentiviral backbone capable of bicistronic expression of presenilin and a fluorescent reporter’**

**Important techniques demonstrated**:

**Cell culture, propagation and storage. Bacterial Plasmid Extraction, DNA quantification, PCR, Cell fixing using Formaldehyde. Using Zeiss Axioscope fluorescence microscope**.

**Additional Work Experience**

**Sr. Customer Service Executive,**

Intelenet Global (Barclays Bank UK), India.

**March 2017 – November 2017**

**Duties and Responsibilities:**

Providing excellent customer service.

Dealing with lost and stolen debit cards.

Dealing with debit card frauds and disputes.

Providing weekly Schedule Adherence, performance and development reports to manager.

**Healthcare Assistant,**

KTG Recruitment, UK.

**June 2011-July 2013**

**Duties and Responsibilities:**

Maintaining full confidentiality regarding resident's personal data.

Assisting residents with bathing, dressing and their toileting needs.

Serving meals and assisting those residents who are unable to feed themselves.

General domiciliary needs such as light household duties including changing beds.

**Maintenance Supervisor**,

Integral UK Ltd.

**July 2010-December 2012**

**Duties and Responsibilities:**

Preparing order forms and inventory

Supervising and Managing a team of 9 people.

Making sure the staff follows proper Health and Safety regulations

Managing staff shifts, staff rota, holidays, payments and complaints and maintaining equal opportunities for all.

**Volunteer Experience**

1. Voluntary Work at the “Health Mela 2010” arranged by Lancashire Gujarat Health Users

Forum to perform health checks and provide advice. Performed under the surveillance of NHS central Lancashire, Preston, U.K.

1. Voluntary Work in the ‘Public Relations Department’ at ‘Species- A College Festival’ in Dr.

D. Y. Patil Institute of Biotechnology and Bioinformatics.

1. Voluntary Work in the Marketing Department at ‘Species- A College Festival’ in Dr. D. Y.

Patil Institute of Biotechnology and Bioinformatics.

1. DJing at Cameo and Vinyl nightclub; Adelphi Pub; Preston, UK.

**Key I.T. Skills**

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Microsoft Word Excel

Power point

Adobe Photoshop