



Nagendra Verma

Personal Details

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Date of Birth

18/01/1990

Marital Status

Single

Nationality

Indian

Professional Summary

- A self-motivated biomedical professional with 3+ years' international experiences in cell and molecular biology as evidenced by 2 articles published in an international journal and 1 manuscript under preparation.
- Excellent product knowledge and client-facing skills resulting in navigating with companies to maintain their supply and services for lab reagents and computer-based applications management while handling and mentoring the junior members involved in interdisciplinary projects.
- Strong interpersonal skill and collaborative mindset proven and easy integration in a multicultural environment as demonstrated by work in the interdisciplinary team at 2 different (industry and academic) organizations >1 year.

Work Experience

11/2016 – 10/2019

Graduate Research Project Fellow

Sapienza University of Rome

- Acquired expertise in varieties of cell line culture including primary, from neonatal mouse skin and human PBMC and analyzed cellular health using various cellular-based assays through flow cytometry.
- Demonstrated creative thinker and strong problem-solving skills by optimizing the genome edit tools and analyzing the gain and loss of functions of the gene-related pathology-linked pathways.
- Analyzed and interpreted data sets, interconnecting results from molecular and cell biology assays, resulting in significant findings on stress-induced cellular transformation mechanisms.
- Worked with Schrödinger suite and experts in drug discovery and protein modeling tools as evidenced by predicting 3 novel lead compounds and 6 key interacting amino acid residues.

04/2016 – 10/2016

Molecular Biology Junior Research Project Fellow

Center for Cellular and Molecular Biology (CCMB)

- Effectively use the resources resulting in quantified and characterized various species of apple plants based on (SSR/STR) genetic markers through PCR screening and genotyping.
- Demonstrated strong analytical skills as evidenced by optimizing and standardizing fluorescent tag primer melting temperatures across the species of apple plants.
- Quick learner and detailed oriented proven with different scientific tools & techniques in <1 month of project initiation.

10/2015 -04/2016

Molecular Diagnostics Research Assistant

Sandor Life Science Pvt. Ltd

- Result-driven, successfully managed to work with a tight deadline project resulting in routinely analyzed chromosomal aberrations in 100+ patients' blood samples.

- Worked with PBMC and cultivated for diagnosis to the analysis of numerical and structural based genetic abnormality using G-banding technique accordance with GLP/GMP regulations.

- Documented and prepared lab safety protocols and SOPs as well as patients reports. And experienced microscopy on the Cytovision capture station (Leica Microsystems) to capture the Karyogram.

Languages

English	Fluent
Italian	Basic
German	Basic
Hindi	Native

Education

(2016 - 2019) **Ph.D. in Molecular Medicine** Sapienza University of Rome

(2013 - 2015) **M.Sc. in Life Science (Biotechnology)** Central University of Rajasthan

(2010 – 2013) **B.Sc. in Biotechnology** at Mahatma Gandhi Kashi Vidyapith University

Technical, software and Instrumentation Skills

Molecular Biology- Karyotyping, Genotyping, DNA/RNA Extraction, Protein Extraction, Western Blot, SDS-PAGE, PCR/qPCR/RT-PCR, Molecular Cloning, CRISPR/Cas9 Gene Editing, Gene Silencing (RNAi), Gel Electrophoresis, Site Directed Mutagenesis.

Cell Biology- Chemical Competent Cell, cell culture, Primary cell culture, Transfection, Transformation, Flowcytometry

Computational Biology- Molecular Docking (Glide), Protein-Protein Docking, Schrödinger suite, Drug Discovery, Virtual Screening, PyMOL, Chimera, Clustalw2, ImageJ, GraphPad, Power Point, Photoshop, Microsoft Office, Microsoft Excel, EndNote, Mendeley.

Transferable Skill- Trouble shooting, Multitasking ability, Collaborative mindset, Relationship Builder, Effective communication skill, Negotiation skills, Product knowledge.

Award, Organization

- National scholarship winner from Biotech Consortium India Limited in 2016 and worked as a BITP trainee in human cytogenetics division at Sandor Life Science Pvt Ltd.

- International Ph.D. Fellowship winner from Sapienza University of Rome (2016-2019)

- Member of European Association for Cancer Research (EACR) since September 2018

- Member of Cheeky Scientist Associate since August 2018

Hobbies

- Avid Traveler and have traveled to 11 Countries.
- Social Networking
- Outdoor activities
- Photography

I hereby declare that the above given and information is correct to the best of my knowledge.

Nagendra Verma