

Curriculum Vitae



Brindha Ashok Kumar

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Personal Information

Date of Birth : May 8, 1985

Marital Status : Single

Languages : English and Tamil

Career Objective

To do proactive and scientific research in specific areas of Molecular Biology, which are less explored, the outcome of which would be a great service to society.

Summary

I completed a Bachelor of Technology (B.Tech) degree specialising in Bioinformatics which incorporated a project in the field of in silico biology.

Immediately after my post graduation in Molecular Medicine, I worked as a Research Technician at the University of Sheffield, essentially continuing my postgraduate research – “Characterization of Novel Therapeutic Antibodies for Cancer”. During this brief stint, I secured the prestigious Dorothy Hodgkin Postgraduate Awards (DHPA) to pursue my PhD in Cancer Biology.

Currently, the main focus of my research is to study the signal transduction mediated by Adrenomedullin and its targeted inhibition on tumour progression.

Specialities

- Excellent organizational and time management skills and a systematic approach to problem solving.
- Excellent communication and interpersonal skills, and the ability and willingness to work within a varied research team.
- Hands-on experience on various wet lab and *in silico* tools

Experience

- **PhD Scholar**
The University of Sheffield
October 2008 – Present
 - High standard of scientific writing and presenting work to peers.
 - Fluent in various wet lab techniques
 - Experience in teaching and supervising students at both under and post graduate levels.

- **Research Technician The**
University of Sheffield
September 2007 – September 2008
 - Routinely carried out experiments such as PCR, Western blotting, proliferation assays, apoptosis assays, Immuno Histo/Cyto Chemistry, xenograft modelling, sequence analysis, molecular modelling and various other bioinformatics tools and wet lab techniques.

Education

- **The University of Sheffield**
PhD, Cancer Biology
2008 – 2011
 - Recipient of Wellcome Trust Biomedical Vacation Scholarship grant to provide training for an undergraduate student for 8 weeks in conjunction with Sheffield Undergraduate Research Experience (SURE).
 - Recipient of Primer Design Student Sponsorship
 - Poster Presentation - Hypoxic Regulation of Adrenomedullin in Cancer Cells, 1st Annual Mellanby Research Meeting, University of Sheffield.
 - Oral presentation - Regulation and Inhibition of Adrenomedullin in Cancer, 2nd Annual Mellanby Research Day, University of Sheffield.

Activities:

- Headed the departmental photograph competition - "Art in Science".
 - Attended workshop on "How to be an effective researcher" and "Setting Assessment and Giving Feedback to Students" – Career Services, University of Sheffield.
 - Attended workshop on "Quantifying nucleic acids by real time PCR" – Kings College, London.
 - Lab Demonstrator for post graduate students, activities included teaching and assessing various wet lab techniques.
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- **The University of Sheffield**
M.Sc, Molecular Medicine
2006 – 2007
 - Project - Characterization of Novel Therapeutic Antibodies for Cancer.

 - **Sathyabama Institute of Science and Technology**
B.Tech, Bioinformatics
2002 – 2006

Activities:

- Winter workshop on microbial biotechnology & bioinformatics.
- Project - Sequence and Structural study of Therapeutically Important Protein Kinases – Done at Aurigene Discovery Technologies Pvt Ltd., Bangalore
- Project - Tool development for nucleotide sequence analysis using CGI-PERL - Done at Adroit Technologies, Chennai.