

Amritha V Manjally

Email: ammuvm79[at]gmail.com

EDUCATION

10/2017-

Albert Ludwigs University of Freiburg

Freiburg, Germany

Master of Science in Neuroscience

Research area: Neurobiology, Epigenetics

- Characterisation of the embryonic microglial network (Master's internship)
- Effects of nucleolar protein on epigenetic modifications in neuroblastoma cells (Master's internship)

08/2010 – 07/2014

B V Bhoomaraddi College of Engineering and Technology

Hubli, India

Bachelor of Engineering in Biotechnology

Academic projects and thesis:

- Plackett-Burmann design for statistical optimization, production, purification and characterization of cellulases from *Aspergillus fumigatus* by solid state fermentation (Bachelor thesis)
- Production, purification, characterization and application of laccases from *Pleurotus ostreatus* by solid state fermentation (academic project)

WORK EXPERIENCE

04/2015 – 03/2017

Centre for Cellular and Molecular Biology (CSIR-CCMB)

Hyderabad, India

Junior Research Fellow

Research area: Developmental biology, Plant genetics (molecular linkage mapping)

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Projects handled:

- Creating a genomic platform for apple research in India: Germplasm characterization and Linkage mapping/QTL analysis
- Development, validation and utilization of SCAR markers for powdery mildew resistance in mulberry
- DNA barcoding of Indian Anurans

SKILLS

Technical

Proficient at a wide range of wet lab techniques (molecular biology, biochemistry, microbiology):

Genotyping, cDNA library synthesis

Solid state and submerged fermentation, biochemical assays (enzyme activity assays, total reducing sugars assay, protein assays)

Chromatography (gel filtration, affinity, ion exchange)

Cryosectioning, tissue embedding (glycols and resins, paraffin)

Immunohistochemistry, immunocytochemistry, immunoblotting, ChIP, immunoprecipitation, florescent microscopy

Mammalian cell culture, Lipofectamine assay, bacterial cell culture

Programming languages: Python, MATLAB

Software skills: ImageJ, Microsoft office Suite, Minitab 14, Genemapper 4.0, JoinMap 4.0, AutoAssembler 1.4.0, Structure

Languages

English (fluent), Hindi (fluent), Kannada (mother tongue), German (beginner)