

MEGHANA CYANAM

- CONTACT INFORMATION mcyanam@vt.edu +1 540 629 1340
- RESEARCH INTERESTS Mathematical modelling, application of probability and stochastic methods to biological systems.
- EDUCATION **Virginia Polytechnic Institute and State University**, Blacksburg, USA
- Doctoral Student, Genetics ,Bioinformatics and Computational Biology, Fall'16 - present.
- University of Hyderabad**, Hyderabad, India
- Integrated Masters, Systems Biology, May 2015.
- Bachelor and Master of Science dual degree program.
- Thesis: *Mathematical Modelling of Negative Regulation of NF- κ B in the Intestinal Epithelial Cells*
 - Advisor: Debashis Barik, Ph.D.
- RESEARCH EXPERIENCE **Discovery of a Novel Metabolic Switch Integrating Amino Acid and Carbon Metabolism.**
- Project Assistant
- Institute for Stem Cell Biology and Regenerative Medicine, Bangalore, India.*
- August 2015 - June 2016
- Advisor: Sunil Laxman, Ph.D.
- Mathematical Modelling of Negative Regulation of NF- κ B in the Intestinal Epithelial Cells**
- School of Chemistry, University of Hyderabad, Hyderabad, India.*
- August 2014 - May 2015
- Advisor: Debashis Barik, Ph.D.
- Analysis of Microarray Data From Mice Exposed To H1N1 and H1N5 Virus Using Linear Models (LIMMA)**
- Khorana Program Scholar, Indo-US Science and Technology Forum
- Wisconsin Institutes for Discovery, University of Wisconsin - Madison, Wisconsin, USA.*
- May 2014 - July 2014
- Advisor: Sushmita Roy, Ph.D.
- Cloning of Falcipain 2 (Hemoglobinase) Associated Small Molecular Weight Protein**
- Summer Research Fellow, Indian Academy of Sciences
- International Centre for Genetic Engineering and Biotechnology, New Delhi, India.*
- May 2012 - July 2012
- Advisor: Pawan Malhotra, Ph.D.

Cloning of a Protein Involved In Mitochondrial Biogenesis

Winter Research Fellow

Department of Biochemistry, School of Life Sciences, University of Hyderabad, Hyderabad, India.

December 2011

Advisor: Naresh Babu V. Sepuri, Ph.D.

Molecular Cloning

Summer Trainee

Institute of Biotechnology, Usha Biotech, Hyderabad, India.

May 2011 - June 2011

PARTICIPATION

Participated in the Regional Final of "Aqua Regia", a national level quiz competition, conducted by T.I.M.E. in Nov 2006.

Participated in "Vijyoshi Camp-2010", a science camp, organised by KVPY, INSPIRE Program and Dept. Science and Technology (DST), India, in Dec 2010.

Participated in the preliminary round of "MIMAMSA Science Quiz" conducted by Science Club, IISER Pune, in January, 2012.

COMPUTER SKILLS

Programming: C, FORTRAN, R, MATLAB, L^AT_EX
Operating Systems: Linux and Windows

VOLUNTEER

Volunteered for the Virginia Tech Science Festival in October, 2016.

ORGANIZATIONAL SKILLS

Coordinator of Junior Science Club (affiliated to Indian Physics Association), University of Hyderabad from July, 2011 to June, 2014.

Organized Vigyanotsav (2012, 2013, 2014), a science fest and Re-searching Science (2012, 2013), a student research symposium in University of Hyderabad.

REFERENCES

Debashis Barik

Assitant Professor

School of Chemistry

University of Hyderabad, India

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Sunil Laxman

Assistant Investigator

Institute for Stem Cell Biology

and Regenerative Medicine, India

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