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Education

- **Doctor of Philosophy**, International Center for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India 2015
- **Master of Science**, Biochemistry, North Maharashtra University, Maharashtra, India. (70.45%, First class with distinction) 2006
- **Bachelor of Science**, Biochemistry, North Maharashtra University, Maharashtra, India. (70.00%, First class with distinction) 2004

Research Experience

- ★ **Research Associate** with Dr. Chetan Chitnis, ICGEB Jan 2015- Till date
- ★ **Doctor of Philosophy** with Dr. Chetan Chitnis, ICGEB Aug 2009-Jan 2015
Title: "Signaling Mechanisms in Regulated Exocytosis of Apical Organelles in Plasmodium Merozoites during Erythrocyte invasion"
- ★ **Junior Research Fellow** at Institute of Genomics and Integrative Biology (IGIB), Delhi, India. Aug 2008-Aug 2009
Project Title: "Study of genes involved in adult neurogenesis in Drosophila".
- ★ **Junior Research Fellow** at Advanced Centre for Treatment, Research and Education in Cancer (ACTREC) Dec 2007-Jun 2008
Project Title: "Study of expression of Genes related to apoptosis in human oral cancer"

Teaching Experience

- **Lecturer / Assistant Professor** in Dept. of Biotechnology, K. K. Wagh College, Nasik (Maharashtra); India. July 2007-Nov 2007
- **Contributory Lecturer / Assistant Professor** in Dept. of Biotechnology, M. J. College Jalgaon (Maharashtra); India. Jun 2006-Apr 2007

Academic Achievements

- ★ Receiver of **EMBO-STF** (Short-Term Fellowship) to visit the Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK. Jun 2016- Aug-2016
- ★ **First class with Distinction** in B.Sc. and M.Sc.
- ★ **CSIR-UGC NET** for Research Fellowship held on 27th Dec 2007 and 18th June 2008
- ★ **CSIR-UGC NET** for Lectureship December, 2006.
- ★ Cleared Graduate Aptitude Test in Engineering (**GATE**) 2006 and 2007.

Projects

- Title of **M.Sc. thesis**: “Study of organogenesis in *Solanum melongena* & *Brassica oleracea*”
- Title of **thesis guided during lectureship**: “Production of cellulase from *Aspergillus niger* using agricultural waste as a Carbon source.”

Publications

- ★ **More K.R.***, Singh S.* and Chitnis C.E. (2014) Role of calcineurin and actin dynamics in regulated secretion of microneme proteins in *Plasmodium falciparum* merozoites during erythrocyte invasion. *Cellular Microbiology* 16 (1):50–63 **doi: 10.1111/cmi.12177. (*contributed equally to the work).**
- ★ Dawn A., Singh S., **More K.R.**, Siddiqui F.A., Pachikara N., Ramdani G., Langsley G. and Chitnis C.E., (2014) The Central Role of cAMP in Regulating *Plasmodium falciparum* Merozoite Invasion of Human Erythrocytes. *PLoS Pathog.*; **doi: 10.1371/journal.ppat.1004520.**
- ★ Bansal A., Singh S., **More K.R.**, Hans D., Nangalia K., Yogavel, M., Sharma A. and Chitnis C. E. (2013) Characterization of *Plasmodium falciparum* calcium-dependent protein kinase 1 (PfCDPK1) and its role in microneme secretion during erythrocyte invasion. *J Biol Chem* 288:1590–1602 **doi: 10.1074/jbc.M112.411934.**
- ★ Pandey A.K., Reddy K.S., Sahar T., Gupta S., Singh H., Reddy E. J., Asad M., Siddiqui F.A., Gupta P., Singh B., **More K.R.**, Mohammed A., Chitnis C.E., Chauhan V.S., Gaur D. (2013) Identification of a Potent Combination of Key *Plasmodium falciparum* Merozoite Antigens That Elicit Strain-Transcending Parasite-Neutralizing Antibodies. *Infection and Immunity* 81:441–451 **doi: 10.1128/IAI.01107-12.**

Technical Experience

- **Immunology**: Antibody generation; in-vivo and in-vitro labelling of cellular proteins; immunoprecipitation; **ELISA**; **FACS**, IHC, immunofluorescence.
- **Biochemistry**: Enzyme assays; **HPLC**, ion exchange and affinity chromatography; 1- and 2-D PAGE. **LC MS-MS**, **MALDI**. UV-Visible, Fluorescence and CD spectroscopy, **SPR (Biacore)**.
- **Genetics**: **Microarray**, genetic manipulation of bacterial and mammalian cells, recombinant protein expression & purification. Cell line preparation.
- **Histology**: Tissue fixation, **Super resolution confocal microscopy**, **Scanning Electron Microscopy (SEM)**, **Live cell imaging**.
- **Tissue Culture**: **Mammalian cell culture**; cell separation, including Percoll density gradient and subcellular fractionation. **Parasite culture** (*P. falciparum*), IgG purification and Growth Inhibition Assay. Protein expression in mammalian cells.
- **Animal Handling**: Immunization and Handling of Mice, Rat and Rabbit. Malaria culture in mouse.
- **Drosophila**: Culturing and maintenance, **brain dissection**, behavior studies.

- **Bioinformatics: Proteome Discoverer, XcaliberTM, SEQUEST, Cytoscape, MaxQuant, MASCOT, PRIDE, Proteowizard, DAVID, Motif-X, Ontologizer, FlowJo, NIS-Elements, Imaris software.**

Training and Certificates

- ★ (Training) “Good Clinical Practice”, Clinical Development Service Agency, India, 2014.
- ★ (Training) “Good Laboratory Practices”, DiagnoSearch Life Sciences Pvt. Ltd India.
- ★ Certificate of competency for completion of course entitled: “Dangerous Good Awareness with Concentration on Preparing, Handling and Transporting Infectious Substances by Air” from World Courier Private Limited.
- ★ Cold chain management awareness course conducted by world Courier Private Limited.
- ★ Training on microarray at Ocimum Biosolutions privet ltd. Hyderabad, India. March 2008.

Conferences and Workshops

- Oral presentation at “Third Global Sustainable Biotech Congress” Dec. 1-5, 2014, held at North Maharashtra University (NMU), Jalgaon; Maharashtra, India.
- Poster presentation at Proteomics Society of India (PSI) 6th annual meeting Dec. 7-9, 2014; held at Indian Institute of Technology (IIT) Bombay, Mumbai; India.
- Attendance and poster presentation at “**Wellcome Trust Advanced Course: Proteomics Bioinformatics**” Held at Wellcome Trust Conference Centre, Wellcome Trust Genome Campus, Hinxton, Cambridge, UK. From 11 to 15 November 2013.
- Poster presentation at “**Recent developments in Malaria Parasite Biology**”, ICGEB, India, 2013.
- Oral presentation at **National Research Scholars Meet in Life Sciences 2012**, ACTREC, India.
- Attendance and poster presentation at “**The Indian Proteomics Conference 2011 (IPCON 2011) - Trends in Translational Proteomics (Annual meeting of the Proteomics Society of India) and Hands on Workshop on Proteomics**” Organized by AIRF, JNU and PTG, ICGEB, New Delhi, India. From: April 3rd to 5th 2011 (Conference) April 6th to 8th 2011 (Workshop)
- “**National Fluorescence Workshop: Spectroscopy and Microscopy in Biology and Chemistry (FCS-2011)**” Held in ICGEB, JNU, and IIT-Delhi, New Delhi, India. From: 14-18 Nov. 2011.
- Life time member of proteomics society, India.