

## SURESH MADDUR GANESAN

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Department of Biological Engineering  
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### EDUCATION:

- April 2011                      Ph.D. in Microbiology and Immunology,  
Specialisation: Molecular Parasitology  
Drexel University College of Medicine  
Philadelphia. PA-19144
- 2002-2004                      Master of Veterinary Science  
Major: Veterinary Parasitology  
Indian Veterinary Research Institute,  
Bareilly. India
- 1996-2002                      Bachelor of Veterinary Science  
Madras Veterinary College,  
Tamilnadu Veterinary and Animal Sciences University,  
Chennai. India.

### Research Experience:

- 2011- Present                      Postdoctoral associate  
Massachusetts Institute of Technology, Cambridge, MA  
Advisor: Professor Jacquin Niles
- 2005-2011                      Graduate Research Assistant  
Drexel University College of Medicine, Philadelphia, PA-19129  
Advisor: Professor. Akhil B. Vaidya  
Dissertation : Investigation of mitochondrially targeted proteins in blood  
stage plasmodium parasites
- 2002-2004                      Graduate student  
Division of Parasitology, Indian Veterinary Research Institute, India  
Advisors: Dr. Dinesh Chandra and Dr. O.K. Raina  
Dissertation: Molecular cloning and characterization of cysteine protease  
gene from *Theileria annulata* ( Parbhani strain)

## Awards:

1996 -2002	Recipient of Tamil Nadu Chief Minister's Merit scholarship
2002 -2005	Indian Council for Agricultural Research fellowship
2004-2005	Indian Veterinary Research Institute (IVRI) senior research fellowship
2005-2011	Graduate Research Fellowship
2010	Drexel University College of Medicine Graduate Student Association travel award to attend Molecular parasitology meeting, Woodshole, MA, USA

## PROFESSIONAL AFFILIATIONS:

- Lifetime member of Society for Indian Association for Advancement of Veterinary Parasitology (IAAVP)
- Member of Indian Veterinary Council
- Member of American society for Microbiology
- Member of American Society of Tropical medicine and Hygiene
- Member of American Society of Cell Biology
- Newyork academy of science and education

## PUBLICATIONS:

1. Yokananth S, Ghosh S, Gupta SC, **Suresh MG**, Saravanan D. Characterization of specific and cross-reacting antigens of *Fasciola gigantica* by immunoblotting. Parasitology Research. 2005 Aug; 97(1):41-48.
2. **Suresh M.G.**, Raina, O. K., Chandra, D., Ray D. D. *Theileria annulata* (parbhani strain) Cysteine Protease gene sequence. Genbank Accession NO.: EF157742
3. **Suresh M. Ganesan**, Joanne M. Morrisey, Michael W. Mather and Akhil B. Vaidya. Yeast dihydroorotate dehydrogenase as a new selectable marker for *Plasmodium falciparum* transfection. Mol Biochem Parasitol. 2011 May;177(1):29-34.
4. Hangjun ke, Joanne M. Morrisey, **Suresh M. Ganesan**, Heather J. Painter, Michael W. Mather and Akhil B. Vaidya. Variation among *Plasmodium falciparum* strains in their reliance on mitochondrial electron transport chain functions. Eukaryotic cell, 2011 Aug;10(8):1053-61.
5. Praveen, B.N., Joanne M. Morrisey, **Suresh M. Ganesan**, April Pershing, Hangjun Ke, Michael W. Mather and Akhil B. Vaidya. ATP synthase complex of *Plasmodium falciparum*: dimeric assembly in mitochondrial membranes and resistance to genetic disruption. J Biol Chem. 2011 Dec 2;286(48):41312-22.