

Dr. Seetharama Jois
Professor
Cancer Immunology and Computation & Structural Biology
LSU School of Veterinary Medicine

Education

University of Mysore, India	B.Sc	06/1984	Physics, Chemistry, Mathematics
University of Mysore, India	M.Sc	08/1986	Solid State Physics
Indian Institute of Science, Bangalore, India	Ph.D	05/1994	Molecular Biophysics
University of Kansas, Lawrence, KS USA	Post-Doc	1994-1998	Pharmaceutical Chemistry



Dr. Jois is Professor of Cancer Immunology and Computational & Structural Biology, Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge LA, USA. He also serves as Co-director of Bioinformatics, Biostatistics, and Computational Biology Core (BBCC) of the Louisiana Biomedical Research Network (LBRN).

His research goal is to modulate the protein-protein interactions (PPI) using peptides and peptidomimetics. For the past several years, Dr. Jois has worked extensively on designing peptide/peptidomimetic molecules to target important proteins in human diseases using computational and experimental methods.

Dr. Jois has taught structural biology and medicinal chemistry courses to graduate and undergraduate courses for more than 20 years.

His research group is interested in the structural aspects of epidermal growth factor receptor (EGFR) extracellular domains, which have important implications in cancer. He has designed novel peptidomimetics that target human epidermal growth factor receptors (EGFRs) and inhibit the dimerization of HER2 with other receptors such as EGFR and HER3.