

Name: Sureshkumar Ramasamy

Division: Biochemical Sciences

Email: s.ramasamy@ncl.res.in

Phone: 020-2590-2212

Fax: 020-2590-2648



Education and experience

- PhD (NCL, Pune)
- Post-doc: California Institute of Technology (Caltech, USA)
- Staff Scientist (Caltech, USA)

Achievements

- Elucidated three-dimensional structures of several Proteins
- Ramanujan Fellow 2012-17

Research subjects:

- Structural Biology
- Cell and Molecular Biology

Research Areas

- Membrane Protein X-ray crystallography
- Cell signaling and Cell death Pathways
- Bioinformatics and Protein Modelling

Recent publications

- Kumar R. S, Abrol, R., Suloway, C. J. M., and Clemons W. M. (2013). The glove-like structure of the conserved membrane protein TatC provides insight into signal sequence recognition in twin-arginine translocation. *Structure*. 7, 777-88.
- Varshney, N. K., Kumar, R S., Ignatova, Z., Prabhune, A., Pundle, A., Dodson, E. & Suresh, C. G. (2012). Crystallization and X-ray structure analysis of a thermostable penicillin G acylase from *Alcaligenes faecalis*. *Acta Crystallogr F Biol Crystallogr*. 68, 273-77.
- Kumar R. S and Clemons W. M. (2009) Structure of the twin-arginine signal-binding protein DmsD from *Escherichia coli*. *Acta Crystallogr F Biol Crystallogr*. 65, 746-50.
- Kumar R. S, Brannigan J. A, Pundle A, Prabhune A, Dodson G. G, Dodson E. J Suresh C. G. (2006) Structural and functional analysis of a conjugated bile salt hydrolase from *Bifidobacterium longum* reveals evolutionary relationship with penicillin V acylase. *J. Biol. chem*. 281, 32561-70