

Publications during last Five Years

1. Rayees U.H. Mattoo, America Farina Henriquez Cuendet, Sujatha Subanna, Andrija Finka, Smriti Priya, Sandeep K. Sharma and Pierre Goloubinoff (2014) Synergism between a foldase and an unfoldase: Reciprocal dependence between the thioredoxin-like activity of DnaJ and the polypeptide-unfolding activity of DnaK, *Frontiers in Molecular Biosciences* (doi: 10.3389/fmolb.2014.00007).
2. Rayees U.H. Mattoo, Sandeep K. Sharma, Smriti Priya, Andrija Finka, and Pierre Goloubinoff (2013) Hsp110 is a bona fide chaperone using ATP to unfold stable misfolded polypeptides and reciprocally collaborate with Hsp70 to solubilize protein aggregates, *The Journal of Biological Chemistry*, 288, 21399-21411.
3. Smriti Priya, Sandeep K. Sharma and Pierre Goloubinoff (2013) Molecular chaperones as enzymes that catalytically unfold misfolded polypeptides, *FEBS Letters*, 587, 1981-1987.
4. Smriti Priya, Sandeep K. Sharma, Vishal Sood, Rayees U.H. Mattoo, Andrija Finka, Abdulsalem Azem, Paolo de Los Rios and Pierre Goloubinoff (2013) GroEL and CCT are catalytic unfoldases mediating out-of-cage polypeptide refolding without ATP, *Proceedings of the National Academy of Sciences of the United States of America*, 110(18) 7199-7204.
5. Antonino Natalello*, Rayees U.H. Mattoo*, Smriti Priya, Sandeep K. Sharma, Pierre Goloubinoff and Silvia M. Doglia (2013) Biophysical characterization of two different stable misfolded monomeric polypeptides that are chaperone-amenable substrates, *Journal of Molecular Biology*, 425 (7) 1158–1171(*equal contribution).
6. Therese Jacobson*, Clara Navarrete*, Sandeep K. Sharma, Theodora Sideri, Sebastian Ibstedt, Smriti Priya, Chris Grant, Philipp Christen, Pierre Goloubinoff and Markus J. Tamás (2012) Arsenite interferes with protein folding and triggers formation of protein aggregates in yeast, *Journal of Cell Science*, 125 (21) 5073-5083 (*equal contribution).
7. Smriti Priya, Kaur N, Gupta A. (2010) Purification, characterization and inhibition studies of α -amylase of *Rhyzopertha dominica*, *Pesticide Biochemistry and Physiology* 98: 231-237.
8. Smriti Priya, Sushil Kumar, Narinder Kaur, Anil K. Gupta (2013) Specificity of alpha amylase and trypsin inhibitor proteins in wheat against insect pest. *New- Zealand Journal of Crop and Horticultural Sciences* 41(1): 49- 56.