

List of publications:

1. **Kumar, M.**, Gulati, S., Ansari, A. H., Phutela, R., Acharya, S., Azhar, M., ... & Chakraborty, D. (2021). FnCas9 based CRISPR diagnostic for rapid and accurate detection of major SARS-CoV2 variants on a paper strip. *Elife*, 10, e67130.
2. Azhar, M., Phutela, R., **Kumar, M.**, Ansari, A. H., Rauthan, R., Gulati, S., ... & Maiti, S. (2021). Rapid and accurate nucleobase detection using FnCas9 and its application in COVID-19 diagnosis. *Biosensors and Bioelectronics*, 183, 113207. * **Co-first author**
3. Acharya, S., Mishra, A., Paul, D., Ansari, A. H., Azhar, M., **Kumar, M.**, ... & Sharma, S. (2019). *Francisella novicida* Cas9 interrogates genomic DNA with very high specificity and can be used for mammalian genome editing. *Proceedings of the National Academy of Sciences*, pp: 201818461.
4. Chandra, S., **Kumar, M.**, Sharma, N. R., & Sarkar, D. P. (2019). Site-specific phosphorylation of villin remodels the actin cytoskeleton to regulate Sendai viral glycoprotein-mediated membrane fusion. *FEBS letters*.
5. Chandra, S., Kalaivani, R., **Kumar, M.**, Srinivasan, N., & Sarkar, D. P. (2017). Sendai virus recruits cellular villin to remodel actin cytoskeleton during fusion with hepatocytes. *Molecular biology of the cell*, 28(26), 3801-3814.