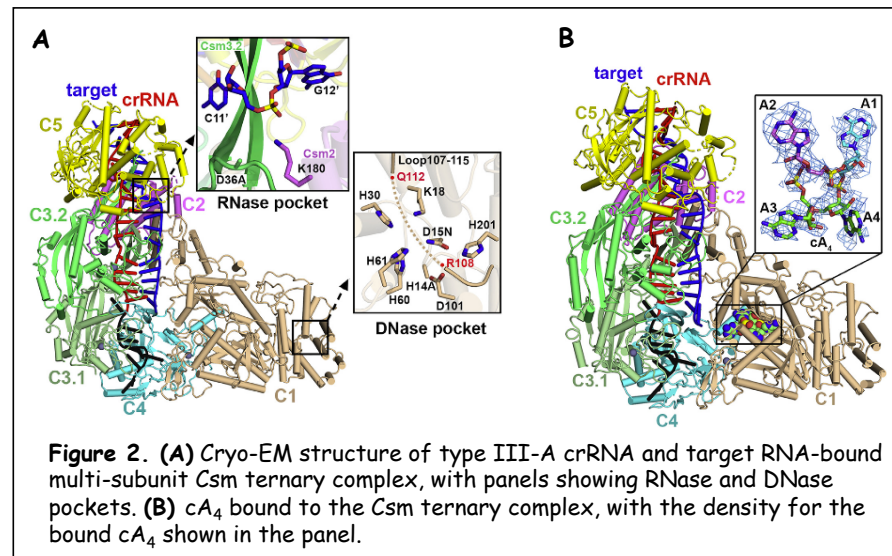
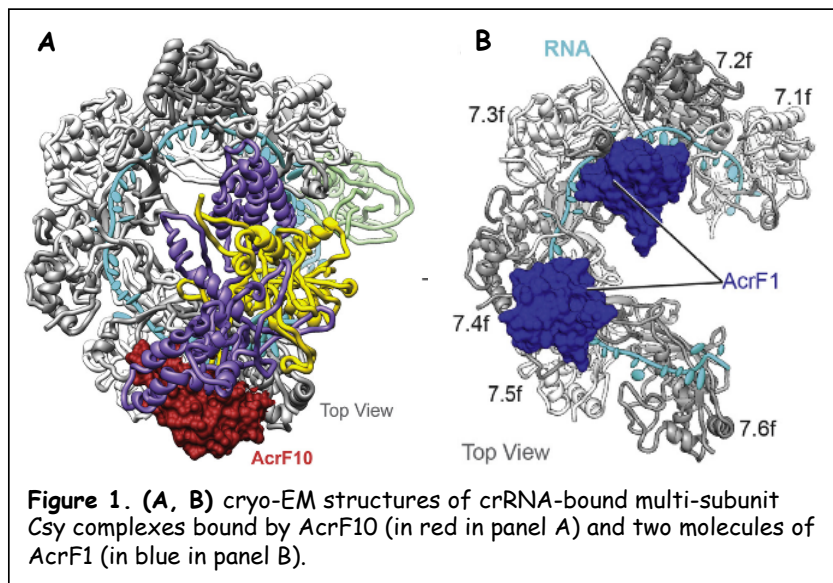
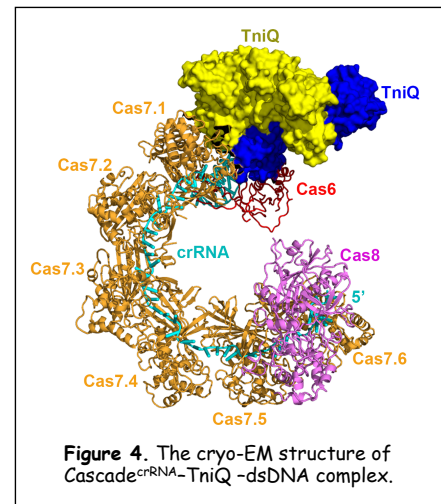
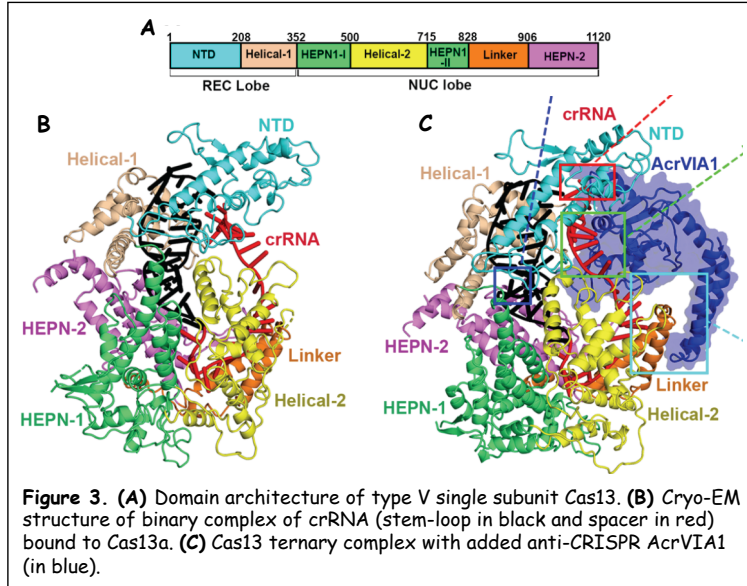






Cryo-EM papers from the Patel lab on CRISPR-Cas Surveillance Complexes

- (1) Guo, T. W., Bartesaghi, A., Yang, H., Falconieri, V., Rao, P., Merk, A., Eng, E. T., Raczkowski, A. M., Fox, T., Earl, L. A., Patel, D. J. & Subramaniam, S. (2017). Cryo-EM structures reveal mechanism and inhibition of DNA targeting by a CRISPR-Cas surveillance complex. *Cell* 171, 414-426.
- (2) Jia, N., Wang, C., Mo, C. Y., Eng, E. T., Marraffini, L. A. & Patel, D. J. (2019). Type III-A CRISPR Csm complexes: Assembly, target RNA recognition, periodic cleavage and autoimmunity. *Mol. Cell* 73, 264-267.
- (3) Jia, N., Jones, R., Sukenick, G., & Patel, D. J. (2019). Second messenger cA₄ formation within the composite Csm1 Palm pocket of type III-A CRISPR-Cas Csm complex and its release path. *Mol. Cell* 75, 933-943.
- (4) Meeske, A. J., Jia, N., Cassel, A., Kozlova, A., Liao, J., Wiedman, M., Patel, D. J. & Marraffini, L. A. (2020). Phage-encoded anti-CRISPR enables full escape from type VIA CRISPR-Cas immunity. *Science* submitted.
- (5) Jia, N., Xie, W., De La Cruz, M. J., Eng, E. T. & Patel, D. J. (2020). Structure-function insights into the initial step of DNA integration by a CRISPR-Cas-Transposon complex. *Cell Research* 30, 182-184.