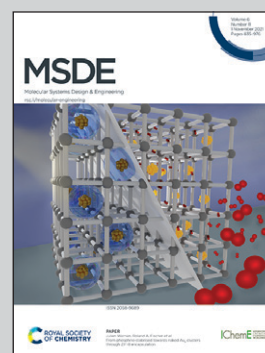


Showcasing research from Jin Yu Group in the Dept of Physics & Astronomy, Dept of Chemistry, and NSF-Simons Center for Multiscale Cell Fate Research at the University of California, Irvine.

Probing remdesivir nucleotide analogue insertion to SARS-CoV-2 RNA dependent RNA polymerase in viral replication

Remdesivir nucleotide analogue drug initially binds to the SARS-CoV-2 polymerase active site via base stacking with the template counterpart, and further inserts to the closed site by switching to base pairing with the template, facilitated by thermal fluctuations and key amino acids coordinations.

As featured in:



See Jin Yu *et al.*,  
*Mol. Syst. Des. Eng.*, 2021, 6, 888.