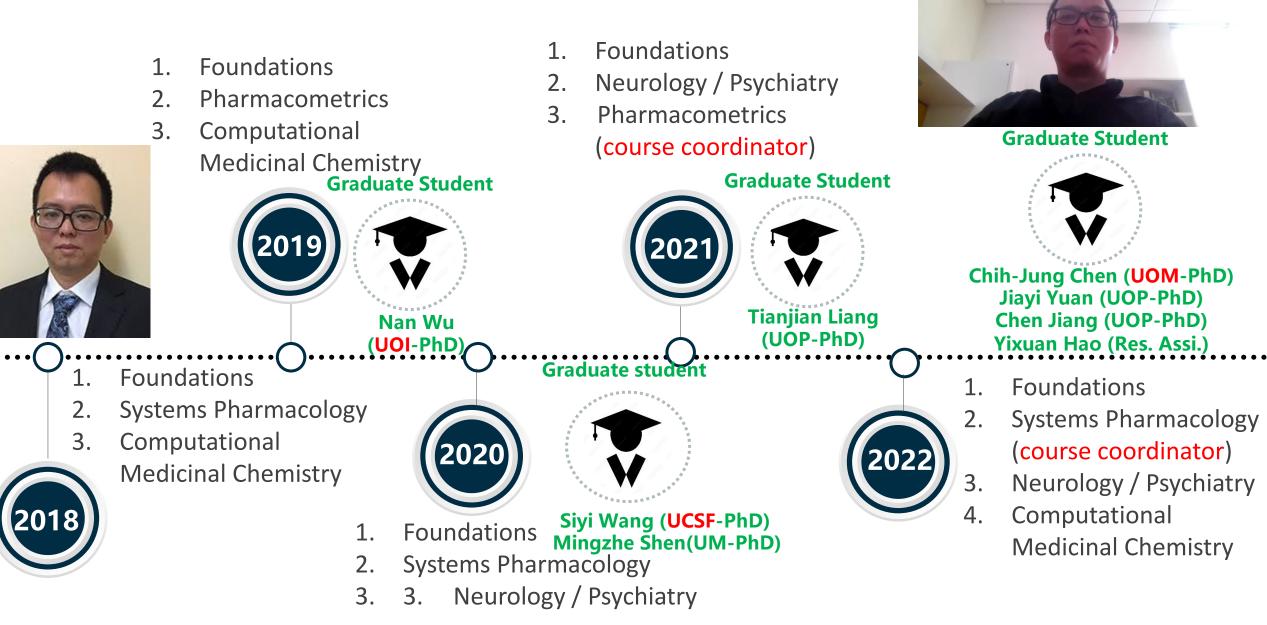
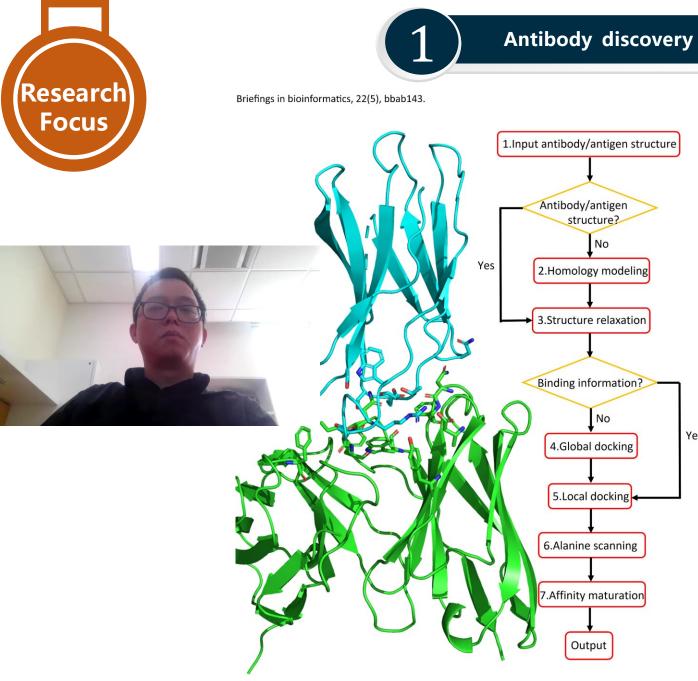
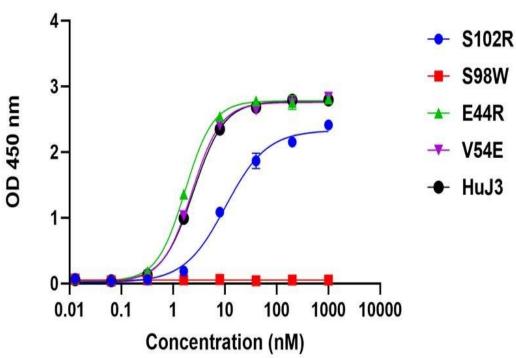
## Dr. Zhiwei Feng Technologies development and the design of small-molecule and antibody

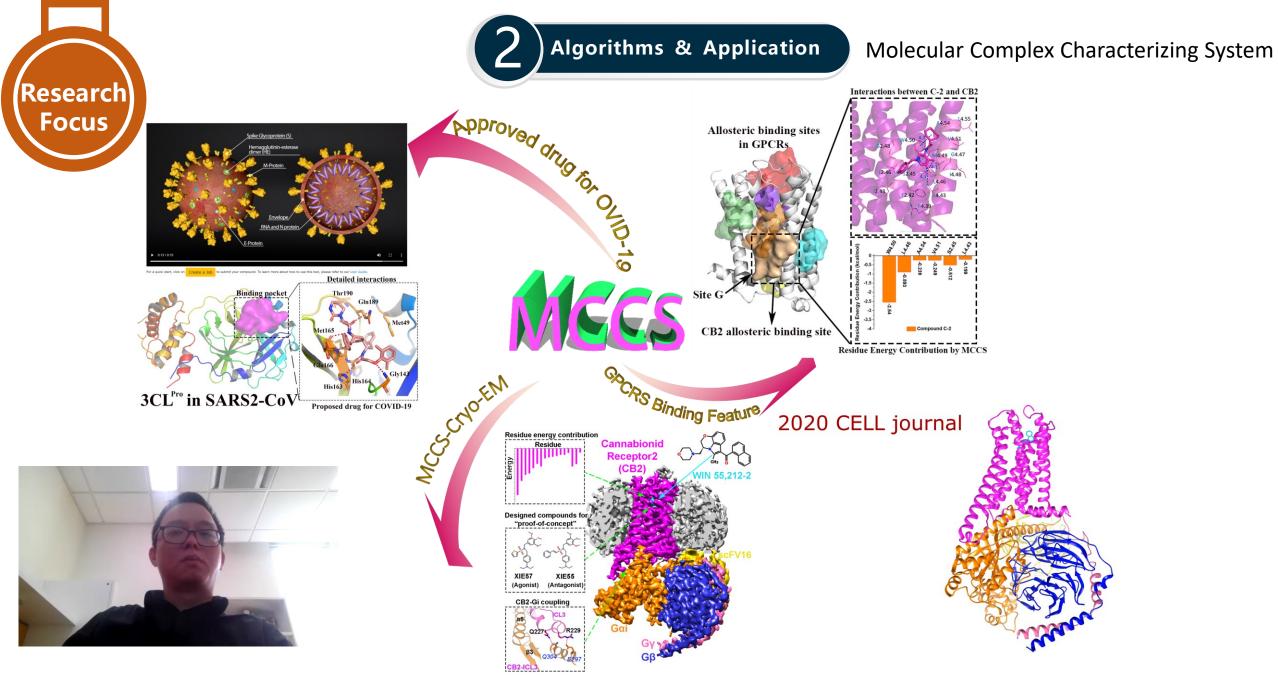




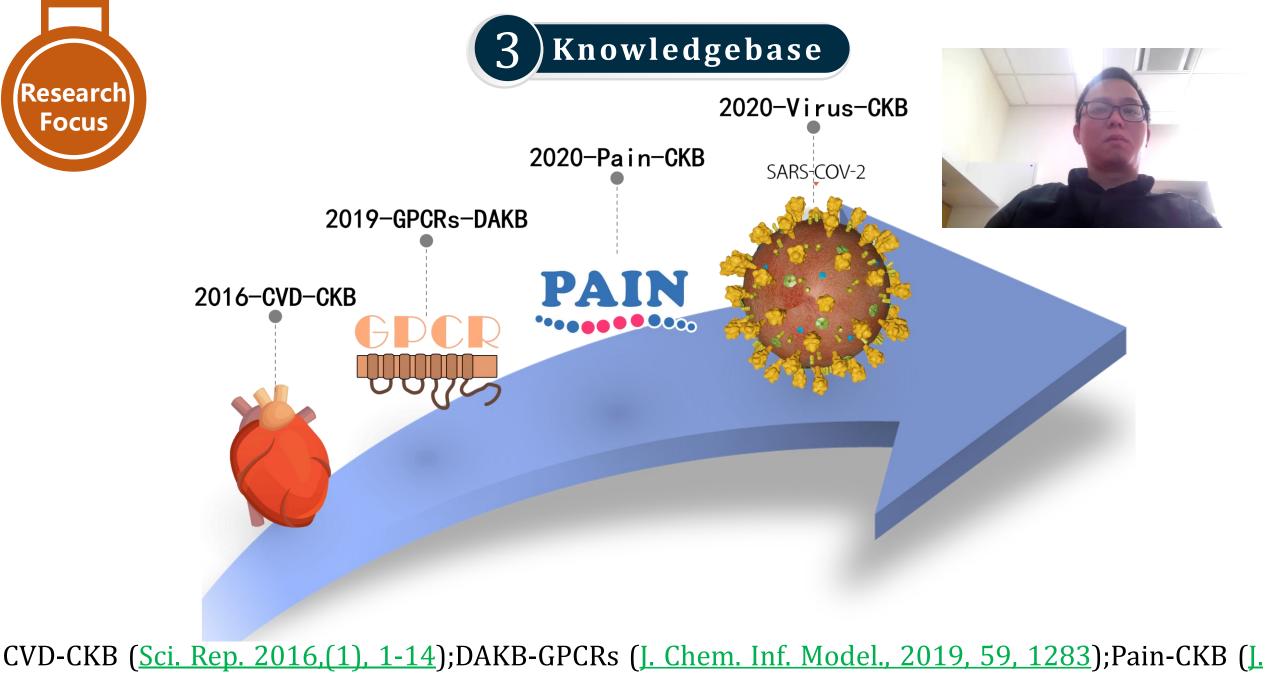


<sup>5</sup>Affinity determination of HuJ3 variants predicted by the in silico (*Flex ddG*) affinity maturation. The binding affinity was tested by ELISA. The HIV B clade gp140 antigen was coated in immunosorbent plates followed by addition of gradient concentrations of HuJ3 variants. After washing, the binding was detected by the HRP conjugated anti-FLAG tag antibody. Colomeric development was achieved by the TMB substrate. HuJ3 harboring the E44R mutation shows enhanced binding affinity compared to the prototype HuJ3.

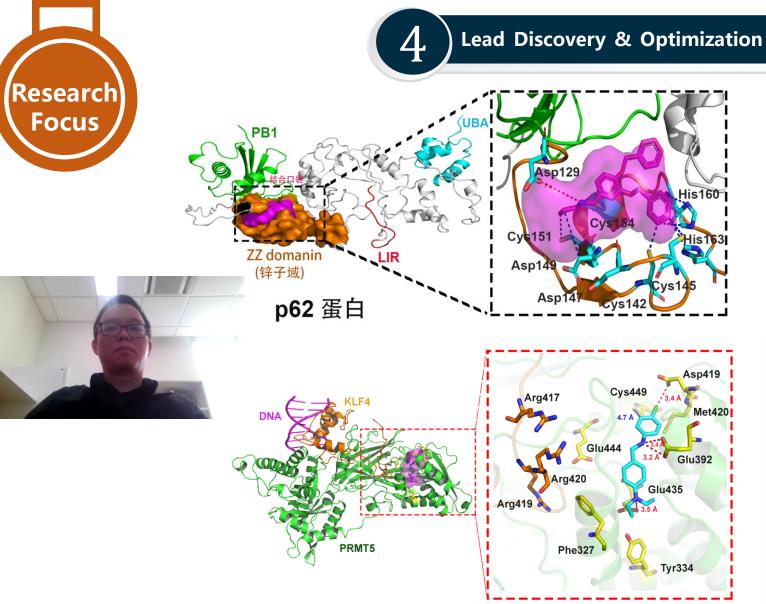
<u>Brief. Bioinform., 2021, 22 (5), bbab143; Brief. Bioinform., 2022, 23(5), bbaa152.</u>



<u>Cell, 2020, 180, 645; Brief. Bioinform., 2021, bbaa239; Brief. Bioinform., 2021, bbaa260.</u>



<u>Chem. Inf. Model., 2020, 60, 4429</u>) and Virus-CKB (<u>Brief. Bioinform., 2021, bbaa155</u>).



p62(SQSTM1) first-in-class drug candidate(<u>Nat. Commun., 2017, 8, 1</u>); novel WX2-43 for PRMT5 (<u>EBioMedicine, 2019, 44, 98</u>); Novel TRPV1 compounds(<u>J. Chem. Inf. Model., 2015, 55, 572; AAPS</u> J., 2016, 18, 898); Novel CB2 agonists-antagonists (<u>Cell</u>, 2020, 180, 645; <u>Kidney Int., 2018, 94, 756</u>).