

NTU Singapore scientists uncover binding secret behind protein 'superglue'

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(Nanyang Technological University) Scientists from Nanyang Technological University, Singapore have pinpointed how a special class of plant-derived enzymes, known as peptide ligases, work to join proteins together -- an important process in the development of drugs, for example in specifically attaching a chemotherapy [drug](#) to an [antibody](#) that recognizes tumor markers to target [cancer](#) cells. Using this knowledge, they created a recombinant enzyme that is 3,000 times faster than known types of ligases.