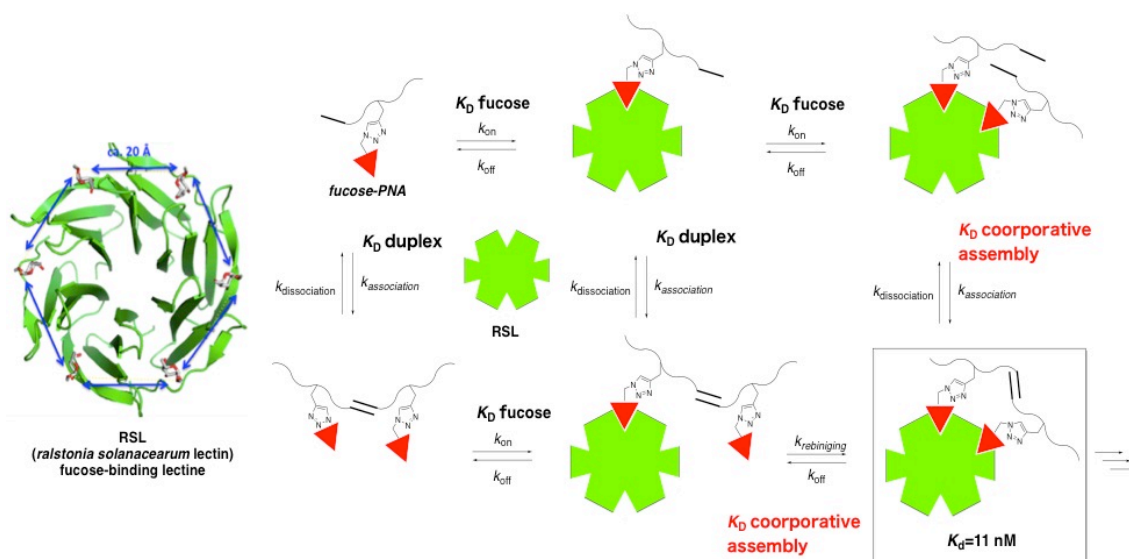


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RSL was successfully blocked by conjugate with fucose and short peptide nucleic acid (PNA) with palindromic sequence ( $K_D=11$  nM) in which neither fucose nor PNA had comparable affinity (fucose:  $K_D=2200$  nM. PNA: GGCC, self hybridization  $K_D=3800$  nM). That suggested that host protein stabilize beneficial dimer formation. This conjugate had  $IC_{50}$  of 555 nM to inhibit the binding of fucose-binding lectin BamBL to epithelial cells with efficiency of more than 700-fold compared to L-fucose.



1) [T. Machida](#), A. Novoa, É. Gillon, S. Zheng, J. Claudinon, T. Eierhoff, A. Imberty, W. Römer, N. Winssinger, *Angew. Chem. Int. Ed.* **2017**, *in press*.