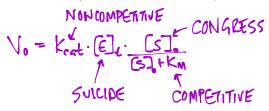
START HI CLASS DISCUSSION OF ENZYMES. ANTHING

WHAT IS ALLOSTERY?

HOW DOES IT WICK?

REAL LIFE: HEMOGLOBIN

LECTURE #13: ALLOSTERY.



ALLUSTERY: BEHAVIOR @ ONE SITE ALTERED BY BINDING

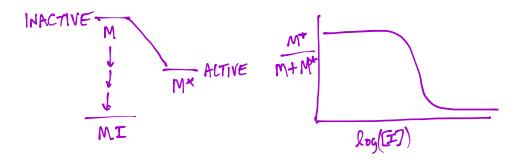


5HOW RUBE-GOLDRERG

SHULL STATIC STRUCTURE -> BOUNCHS AROUND SHOW MORPH BETHEEN STATES.



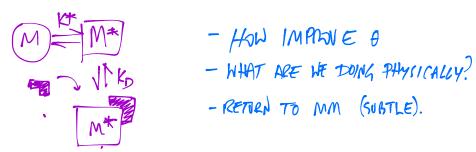
ADD CAN WE MANIPULATE THIS?



ALLOSTERY INCREDIENTS:

- MICK THRU MICK THRU
- 1) 2 (OR MORE) STATES

- ... LO/NO BARRIER.
 ... WITH DIFFERENT BINDING
 ... WITH DIFFERENT ACTIVITY.



ANALYZE WITH ENZYME:

CPTIMIZE ALLOSTRY

$$F = T \quad \text{4^+.(2)} = (7)$$

$$K_D = (7)(8)$$

$$(7.8) = (7)(8)$$

$$(8)$$

$$\begin{array}{ccc}
(R) & = & \frac{1}{1+|\mathcal{C}^{*}+|\mathcal{C}^{*}|} \\
(P)+(T)+(T)B) & = & \frac{1}{1+|\mathcal{C}^{*}+|\mathcal{C}^{*}|} \\
(P) & \uparrow & \downarrow \\
(P) & \downarrow & \downarrow$$

CANCAR

CAN CAN CAR