Binding Polynomials

\[ P + X \rightarrow PX_1 \]
\[ P + 2X \rightarrow PX_2 \]
\[ \ldots \]
\[ P + iX \rightarrow PX_i \]
\[ \ldots \]
\[ P + tX \rightarrow PX_t \]

Finding Affinity and Number of Sites from Experimental Data

Equilibrium Dialysis For Binding Measurements

Semi-permeable membrane

Equilibrium Dialysis

Binding of tyrosine to tyrosyl-tRNA synthetase

**Equilibrium Dialysis**


**Fluorescence Anisotropy for Binding Measurements**

High excitation probability

Low excitation probability

**trp Repressor/DNA Binding Measurements**


**Isothermal Titration Calorimetry to Measure Binding Constants**

Binding of Oligosaccharide to P22 Tailspike Protein

Isothermal Titration Calorimetry to Measure Binding Constants

Cooperative Binding

Cooperative Binding of Metalloid to a Transcription Factor
Cooperativity in Binding of Two Ligands

The Bohr Effect in Hemoglobin