1. Distinct Mechanisms of PA

In[70]:= `baseparams = {KA → 10, Kdim → 0.1, RAF → 0.04, f → 0.01, g → 100};`
`(*units: μM ∀ params but KA*)`

Section 1.1. Dimer Potentiation (DP) Model

In[◦]:= `Quit[]`

- **1.1.1. Analytic Solution to the model**
- **1.1.2. Baseline Signaling (drug-free)**
- **1.1.3. Conditions on parameter regions for activation in response to the drug**
- **1.1.4. Monotonic relationship between unbound (d) and total (DTOT) drug concentrations**
- **1.1.5. Analytic Expressions for maximum Fold Change (FC)**

Section 1.2. Negative Cooperativity (NC) Model

In[◦]:= `Quit[]`

- **1.2.1. Analytic Solution to the model**
- **1.2.2. Baseline Signaling (drug-free)**
- **1.2.3. Conditions on parameter regions for activation in response to the drug**
- **1.2.5. Analytic Expressions for maximum Fold Change (FC)**

Section 1.3. Conformal Autoinhibition (CA/base) Model

In[◦]:= `Quit[]`

- **1.3.1. Analytic Solution to the model**
- **1.3.2. Baseline Signaling (drug-free)**
- **1.3.3. Conditions on parameter regions for activation in response to the drug**
- **1.3.4. Monotonic relationship between unbound (d) and total (DTOT) drug concentrations**
- **1.3.5. Analytic Expressions for maximum Fold Change (FC)**

Section 1.4. Unified Model

In[◦]:= `Quit[]`

- **1.4.1. Analytic Solution to the model**
- **1.4.2. Baseline Signaling (drug-free)**
- **1.4.3. Conditions on parameter regions for activation in response to the drug**

In[◦]:= `Quit[]`

Descriptive, example Plots (supp text section 3)