Predicting RNA-RNA Interactions
- A Kinetic Approach

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Non-coding RNA as Regulatory Elements
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Thermodynamic Methods - Target Candidates

Other important factors? → Kinetics
Dynamics of Structure Formation - A Kinetic View

+ elongating interaction
- breaking intramolecular structure
Features for describing kinetic process
Energy Barrier
A Simplified Model

- fixed base pair set
- direct path
- dynamic programming
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Example: ArcZ - rpoS
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Future Work

- study general principles of RNA-RNA interactions
- extend feature sets
- combine features for target screens
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