

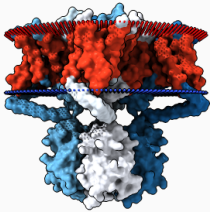
Recent simulation methods for resolving molecular details in thermodynamics and kinetics

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Potassium Channels



- Responsible for cell membrane *depolarization* in action-potential firing
- Malfunctions: “channelopathies” like episodic ataxia, neuromyotonia, seizure, and tinnitus
- Selectivity mechanism is not well-understood because the selectivity filter is complicated

