

## **Protein Allostery**

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Understanding the relationship between protein sequence, structure, dynamics, and function is the ultimate goal of structural biology. And in essence, this is why my lab studies protein allostery - a special property of macromolecules that connects motion and action. In this talk, I'll present two stories. First, I'll talk about how the evolution of allosteric mechanisms and the tools of structural biology can teach us about the relationship between protein sequence and function. In the second story, I'll talk about how one can learn about correlated motions that give rise to allostery.