Using Mathematics to Unlock Biological Mysteries
Candice Price, University of San Diego

Friday, March 30, 2018 - 3:30pm to 4:30pm
Smith 120

Mathematical modeling is an effective resource for biologists—it provides ways to simplify, study and understand the complex systems common in biology and biochemistry. Many mathematical tools can be applied to biological problems, some traditional and some more novel, all innovative. This presentation will review some of the mathematical tools that I use to study biological questions including knot theory applied to DNA-protein interactions and using social networks to study evolutionary success.

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Candice Price, University of San Diego
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