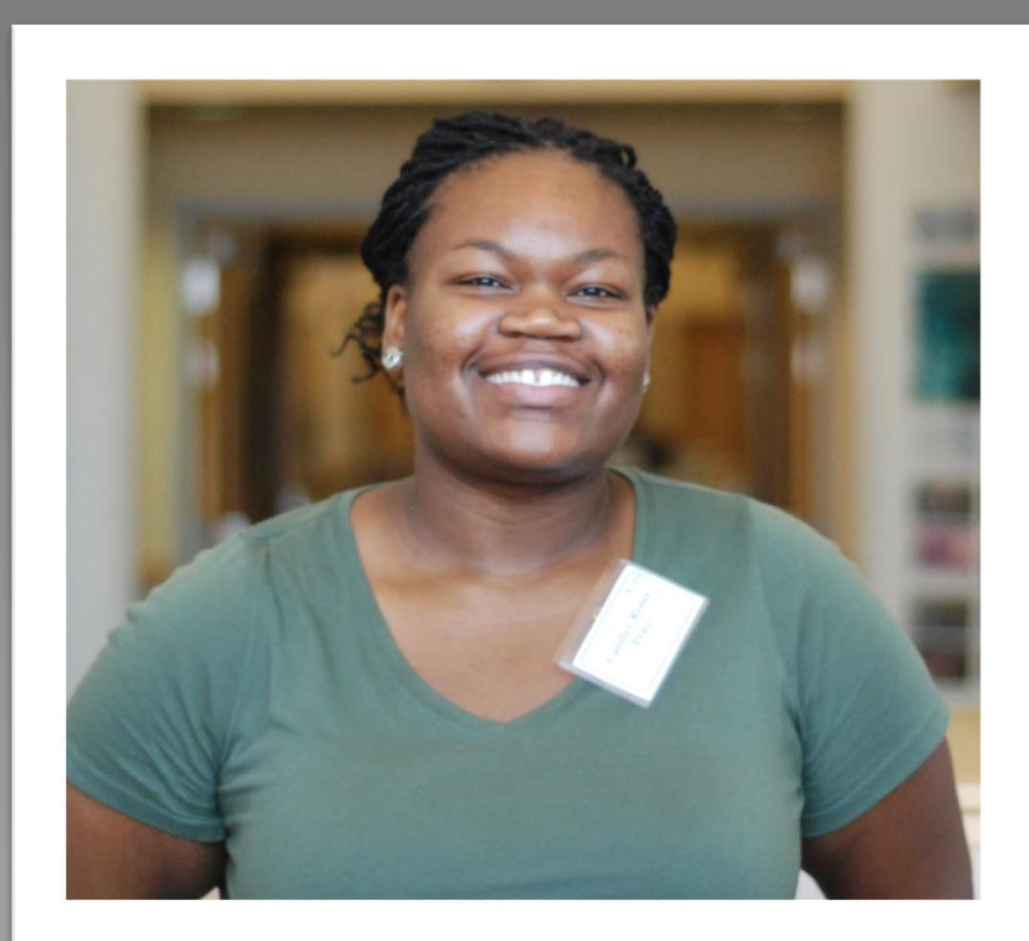


MATHEMATICS SEMINAR

APPLICATIONS OF KNOT THEORY: USING KNOT THEORY TO UNRAVEL BIOCHEMISTRY MYSTERIES

Although knots have been used since the dawn of humanity, the mathematical study of knots is only a little over 100 years old. Not only has knot theory grown theoretically, the fields of physics, chemistry and molecular biology have provided many applications of mathematical knots.

In this talk, I provide an overview of some connections between knot theory and DNA-protein interaction, outlining specifics of the biological mechanisms of DNA replication while providing an overview of related knot invariants.



Candice Price, PhD.
Department of Mathematics
University of San Diego

FRIDAY, APRIL 14TH

3:30 PM – 4:30 PM

SEIDLER HALL 220

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