

Jennifer Kardos

Jennifer Kardos will graduate with a bachelor's degree in biology and minors in molecular biology, chemistry, and psychology. She is a dean's list student, served as director of community service for the La Roche Student Government Association and is a member of the National Society of Leadership and Success. She was a peer-mentor for the Providence Institute and participated in the La Roche Alternative Spring Break service trip for three years. Ms. Kardos has been accepted to the Lake Erie College of Osteopathic Medicine (LECOM) where she will pursue a Doctor of Osteopathic Medicine degree.

Honors in Biology

Epigenetics: A Pathway of Greater Understanding of the Human Body

HONORS COMMITTEE

Frederick Sproull, Ph.D., J.D.*

Gail Rowe, Ph.D.

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Epigenetics is best defined as the study of changes in organisms brought about by modification of gene expression, rather than by alteration of the genetic code in the form of DNA. This unique field of study focuses on how characteristics of an individual not only are dependent on changing the genetic code but also by being able to express different parts of that genetic code. Studying epigenetics allows scientists to look deeper into all the functions of DNA in the body, including genetic conditions and diseases. Greater understanding of a genetic condition or disease leads to better treatments, vaccines and cures.

