2024 MAA MathFest

Undergraduate Student Poster Session

Janet L. Anderson Award Winners

The Janet L. Andersen Award for Undergraduate Research in Mathematical or Computational Biology was established by the Mathematical Association of America's SIGMAA on Mathematical and Computational Biology in honor of Janet Andersen. Until her untimely death in 2005, Janet Andersen was Professor of Mathematics at Hope College in Holland, Michigan. She joined the Hope faculty in 1991 after completing her master's and doctoral work in algebraic geometry at the University of Minnesota. At Hope, she pioneered an interdisciplinary course in mathematical biology, was a research mentor for students in the field, and worked through several organizations such as the BioQuest Curriculum Consortium, the MAA, and the Society for Mathematical Biology to broaden undergraduate exposure to mathematical biology. This prize honors her efforts.

49, Mathematical Modeling of Immune Response to SARS-CoV-2

Ayesh Awad

56, Mathematically Modeling Recurrent \emph{C.~difficile} Infections in Long-Term Care Facilities

Zachary Campbell

91, From Equations to Evolution: The Mathematics of Genomic Transformations

Nafisa Raisa