

Math & Stat Colloquium

Thursday, April 22

3:30pm ENGR 202

Refreshments will be served in the Lund Hall Foyer at 3:00pm

Speaker: Bob Palais

“Math, DNA Diagnostics, Visualization & Teaching”

Abstract: Mathematics is used in many areas of modern molecular medicine, in computer graphics, and in visualization of molecular data.

Examples I will discuss include identifying genes associated with progression of tumors that led to a therapy, and high-resolution DNA melting analysis to determine transplant compatibility. I will also describe how some surprising math was discovered through a serendipitous combination of using computer graphics in teaching and in this research!