

Math and Stat Colloquium

Tuesday, March 19

3:30 p.m. ENGR 104

Refreshments will be served in the Animal Science Lounge at 3 p.m.

Speaker:

Larry Langley

University of the Pacific

“Graphs and DNA”

Abstract: During his early work into microbiology in the 50s, Seymour Benzer examined the topology of DNA through mutant bacteriophages. The data gained through his experiments was consistent with a hypothesis that genetic material was linearly structured.

The results and analysis of his experiments provide the foundation for much of the research in graph theory regarding interval graphs. This talk will look at Benzer's work, the corresponding theory of interval graphs as well as present some more recent work on generalizations of interval graphs.

