

## Partial Characterization of a $\epsilon^{34}$ Tailspike Fusion Protein

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To compare related tailspike proteins from the well-studied *Salmonella typhimurium* phage P22 and *Salmonella newington* phage  $\epsilon^{34}$ , a fusion TSP protein of  $\epsilon^{34}$  was produced. As a result, some of the physical and conformational properties have been changed. Preliminary results will be presented.

### Biography:

Dr. Villafane obtained his bachelor and doctoral degrees from the New York University and his Masters Degree at the University of California at Berkeley. His postdoctoral studies were carried out the Massachusetts Institute of Technology. Dr. Villafane is currently Professor of Microbiology at the Alabama State University in Montgomery, Alabama, USA. His laboratory has studied how bacterial viruses and their proteins fold and how they assemble and interact with the cell surface to infect the cell.