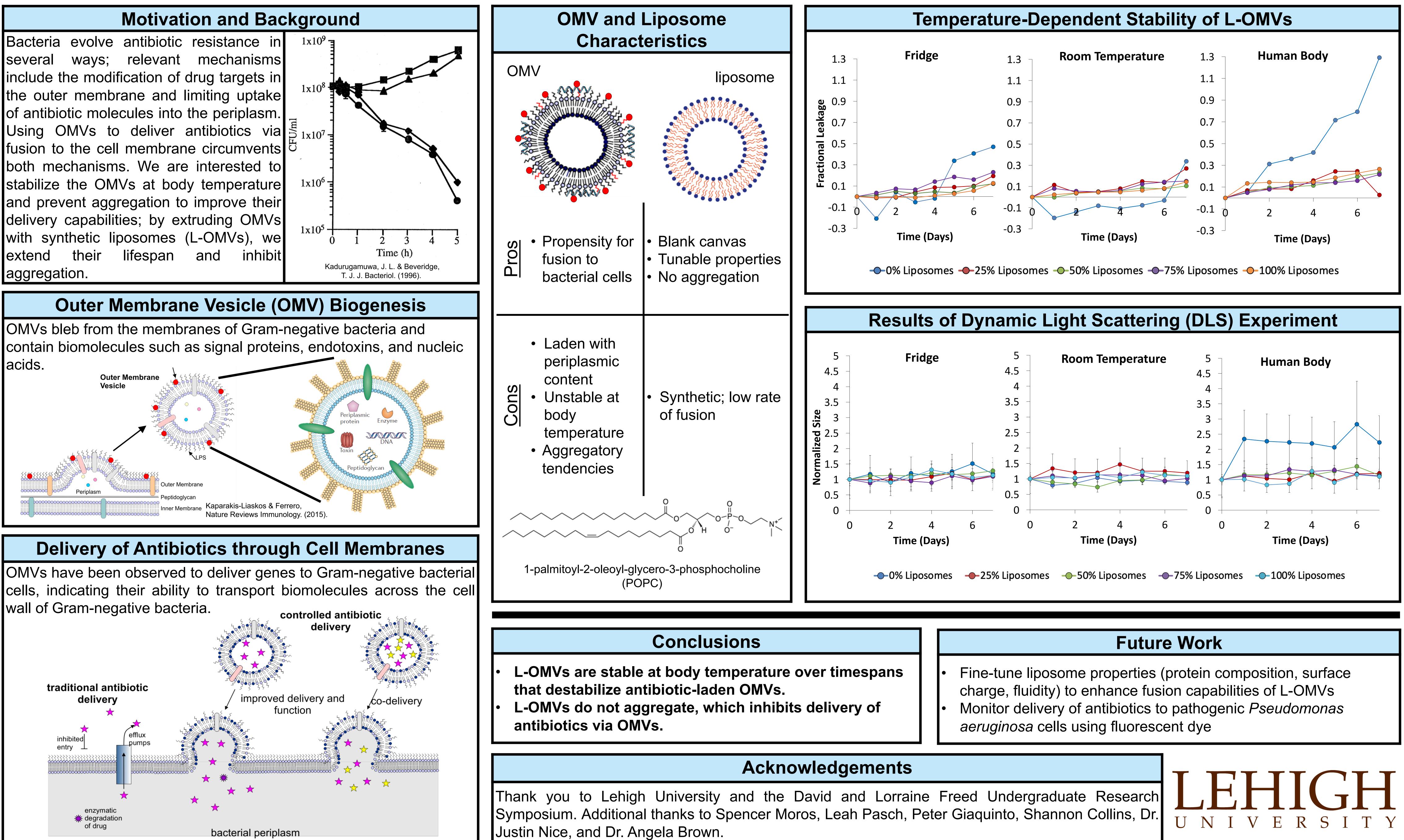
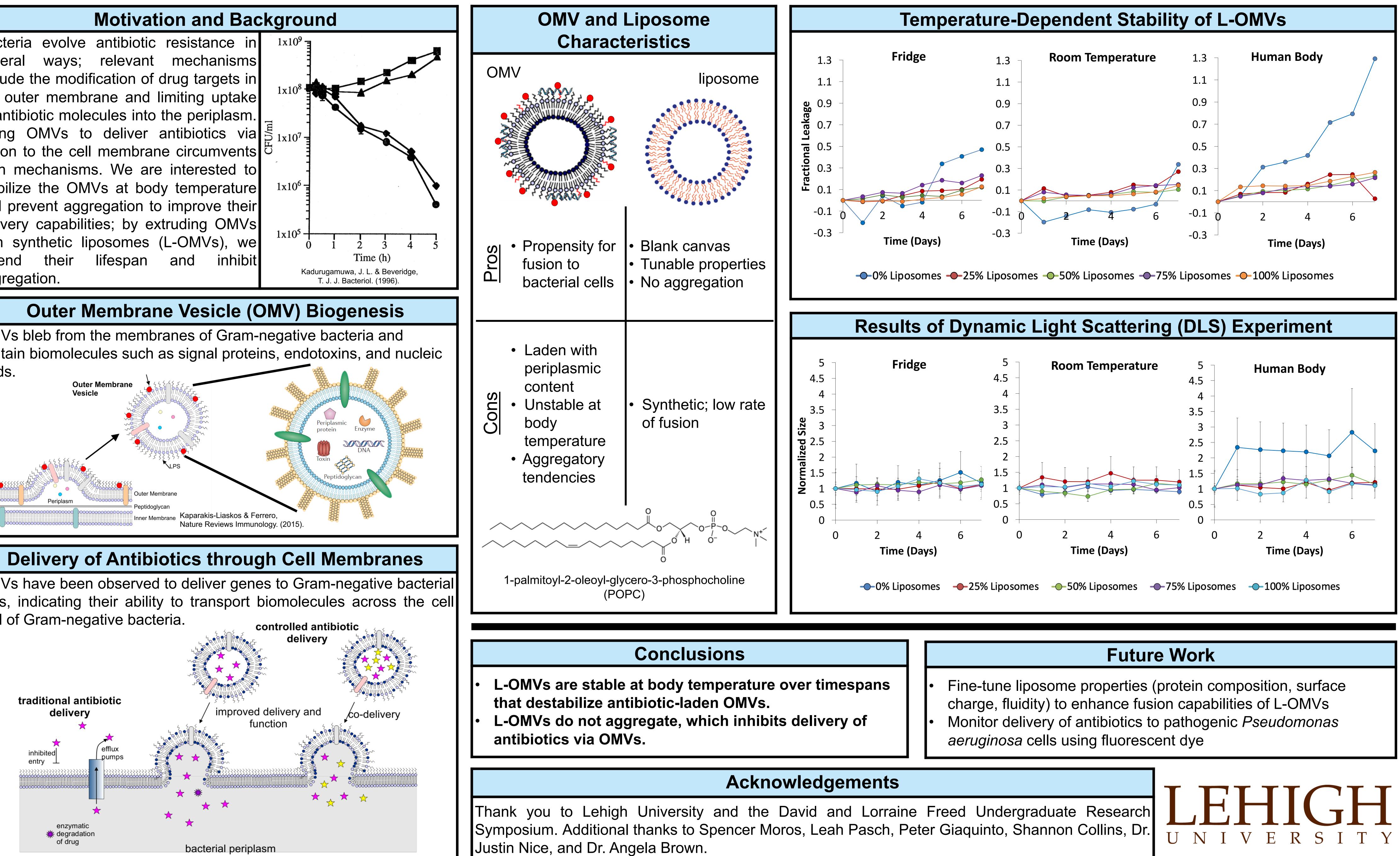


Bacteria evolve antibiotic resistance in 1x109 3 several ways; relevant mechanisms include the modification of drug targets in the outer membrane and limiting uptake of antibiotic molecules into the periplasm. Using OMVs to deliver antibiotics via $\begin{bmatrix} 1 \\ 1 \\ 1 \end{bmatrix}_{1 \times 10^7}$ fusion to the cell membrane circumvents both mechanisms. We are interested to stabilize the OMVs at body temperature 1×10^{6} and prevent aggregation to improve their delivery capabilities; by extruding OMVs 1×10^{5} with synthetic liposomes (L-OMVs), we lifespan inhibit their extend and aggregation.

acids.





Synthesis of Hybrid Outer Membrane Vesicles for Drug Delivery through Cell Membranes Samuel M. J. Agro, Shannon M. Collins, Angela C. Brown Department of Chemical and Biomolecular Engineering, Lehigh University

