

Mechanical Engineering & Engineering Sciences  
**Gloria D. Elliott**



# RESEARCH

Explores new approaches  
for preservation of biological  
therapeutics and diagnostics.

**Dr. Gloria Elliott**

Director, Biostability Lab

Professor, Mechanical Engineering &  
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UNC CHARLOTTE

**Gloria D. Elliott is a Professor in the Department of Mechanical Engineering and Engineering Sciences and the Director of the Biostability Lab at UNC Charlotte. Her research specialty is experimental thermodynamics with emphasis on the analysis of living systems. Biopreservation is the major focus of her work, an area that is becoming increasingly important as changes in the environment continue to affect biodiversity.**

**Dr. Elliott's group has been investigating the underlying science of non-refrigerated preservation and developing new technology to support this stabilization approach. Applications under investigation include gamete preservation for in vitro fertilization, development of vaccines that can be transported without refrigeration, and the stabilization of biomolecules, cells, and tissues for clinical diagnostic and therapeutic use.**

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