

Center for Research and Training in the Sciences (UTSA),
Institute for Integration of Medicine & Science (UTHSA),
Translational Science Graduate Program, &
UTSA-UTHSA Joint Graduate Program in Biomedical Engineering
invite you to attend

STRECH



Seminars in Translational Research

Presents

Repair and Regeneration of Fetal Membrane Defects Using Bioinspired and Sustainable Polymers

There is a growing interest in treating fetal anomalies via intrauterine surgical interventions performed in the second or third trimester of gestation. Because the fetal membranes that enclose the womb are mechanically fragile and nonhealing, surgical interventions increase the likelihood of preterm premature rupture of the membranes (PPROM), which is associated with increased risk of fetal morbidity and mortality. Adhesive biomaterials are being explored to seal fetal membrane defects, as a way to provide mechanical stability to the membranes, reduce amniotic fluid loss, and extend gestation. In this talk, I will discuss our efforts to develop bioinspired and biosustainable polymers for use in fetal surgery.



Phillip B. Messersmith, PhD

*Class of 1941 WWII Memorial Chair in Bioengineering
and Materials Science and Engineering
University of California, Berkeley*



**Friday, September 13, 2024
Virtually from 9:00 AM - 10:00 AM**

For information on participating in the current monthly seminar, please head to <https://utsa.edu/crts/strech/> or scan the QR code below



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