

FACILITIES AND EQUIPMENT

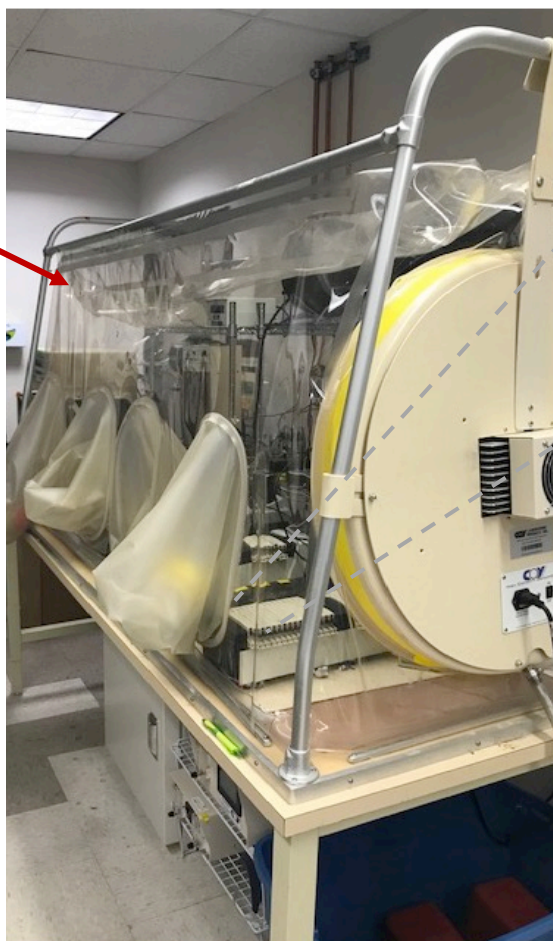
This proposal seeks to purchase and establish a new piece of equipment at Baylor University, the mini-bioreactor arrays – MBRAs.

If this proposal is funded, it has been agreed (Drs. Meohnke and Chambliss) that space within the Molecular Bioscience Center in the Baylor Sciences Building would be utilized making this available to a larger user base. This would also allow Baylor to invest in this system as a core facility at a later date.

The MBRA system would be housed within a 4 ft x 2.5 ft [Whitley Workstation A35](#) anaerobic chamber, and would be fed through peristaltic pumps and three gas lines to allow bacteria to grow and propagate. Each system can house 28 arrays.

A similar larger MBRA system currently is in operation at Baylor College of Medicine in the laboratory of Robert A. Britton, PhD. **Pictured below:**

Anaerobic chamber



One mini-bioreactor array

