MAF D21CA-820 Evaluating a Probiotic to Treat Pyoderma
TEXAS A&M UNIVERSITY
Projected Duration: 1 Year **Study Cost:** $10,800 **DCAF Grant $5,000** **3/2021**
SUMMARY: Researchers will evaluate a novel probiotic's potential as a safe and effective treatment for pyoderma, a bacterial skin infection often caused by Staphylococcus bacteria.
DESCRIPTION: Bacterial pyoderma is the most common skin disease affecting dogs. Recurrent infections often are treated with repeated antibiotic use, which can lead to a higher risk for development of antibiotic-resistant infections. The co-investigator of this study has identified a bacterial strain with potent activity against Staphylococcus pseudintermedius, the primary cause of pyodema infections in dogs. Researchers will evaluate the ability of this bacteria, used as a novel probiotic, to reduce S. pseudintermedius infections and the safety of application to canine skin. If successful, findings will support the development of the first probiotic therapy to treat superficial pyoderma in dogs.