

**DEWS Research Committee Report Form:**            **Name** \_\_\_\_\_  
**Date** \_\_\_\_\_

Evidence Based Data on Mechanisms of Tear Film Dysfunction

***HUMAN RESEARCH***

1. **Evidence Based Research** that demonstrates primary contributions and or secondary responses of \_\_\_\_\_ (your assigned subgroup) to **Human Tear Film Dysfunction**

**Finding/Type of Dry** \_\_\_\_\_  
**Reference** \_\_\_\_\_

(e.g., Increased tear osmolarity in x number of Sjögren's patients compared to Doe et al., 1990 controls.)

2. **List types of information that are lacking in study of human tear dysfunction**  
(e.g., Analysis of tear protein composition in Sjögren's patients)

***ANIMAL /IN VITRO MODELS RESEARCH***

1. **Data** indicating contributions/alterations of \_\_\_\_\_ (your assigned subgroup) to tear film dysfunction in **animal or in vitro models of human disease**.

**Data/Model** \_\_\_\_\_ **Reference** \_\_\_\_\_

(e.g., Increased tear osmolarity in mouse model (type) of lacrimal gland disease  
Lacrima et al, 2004)

2. What questions can be answered or promising types of basic research need to be done in model systems to determine the mechanism of tear dysfunction?  
(e.g., What is the effect of hyperosmolar fluids on epithelial surface mucin composition in vitro?)