

# CSAS Graduate Students Theater Competition Award

Sponsored by Pfizer Animal Health  
Presented by Robert Berthiaume, PhD, CSAS President

## First Place

**Laura Cain**

University of Guelph  
(photo not available)

*Cortisol response to endotoxin-induced inflammatory stress  
is associated with aspects of the ovine immune system*



## Second Place

**Ehab El-Haroun**

University of Guelph

*A mechanistic model of protein deposition and amino acid  
oxidation in response to amino acid imbalances and  
deficiencies in growing animals*



## Third Place

**Yunqi Sun**

University of Alberta

*Effects of feeding a high fiber byproduct feedstuff on  
rumen fermentation and productivity of dairy cows  
in early lactation*