1:00 PM Welcome and Introduction

1:15 PM Functional Analysis of Terpene Synthases in *Arabidopsis thaliana* Using the Surrogate Splicing Method.
Keith D. Allen  
Mentor: Dr. Joseph Chappell, UK Department of Plant and Soil Science

1:30 PM Differential Blood Alcohol Concentrations Between Older and Younger Moderate Alcohol Drinkers
Scott Serdoz  
Mentor: Dr. Sara Jo Nixon, Nuerocognitive Laboratory, UK Department of Psychology

1:45 PM Analysis of a Candidate Gene for a Pigment Mutant in *Ambystoma mexicanum*
Shawn Mulberry  
Mentor: Dr. Randal Voss, UK Biology Department

2:00 PM Biotechnology and Middle School Students
Larry Greunke  
Mentor: Dr. Joseph Chappell, UK Department of Plant and Soil Science

2:15 PM Phenobarbital-Induced Delay of the Estrus Cycle in Proestrus Golden Hamsters with Phase Advance of the Circadian Pacemaker
Christopher Reinhardt  
Mentor: Dr. Sandra Legan, UK Department of Physiology

2:30 PM BREAK

2:45 PM Analysis of Citrus Valencene Synthase (CVS)
Thomas Niehaus  
Mentor: Dr. Joseph Chappell, UK Department of Plant and Soil Science

3:00 PM Characterization and Evolutionary Structure of *Bacillus-anthracis-cerus-thuringiensis* Group Isolates as Determined by Sequence Analysis of Seven Housekeeping Genes
Carrie Shaffer  
Mentor: Dr. Robert James Robertson, Counterterrorism and Forensic Science Research Unit, FBI, Quantico, VA; Dr. Robert Houtz, UK Department of Horticulture

3:15 PM Optimization of Wolbachia transfection in *Aedes. albopictus* via Embryonic Microinjection and Determination of Mitochondria Transfer in Transfected Lines
Cecilia Ng  
Mentor: Dr. Stephen Dobson, UK Department of Entomology

3:30 PM Nutrient Utilization in Polypay and Percentage White Dorper Lambs Fed a High Roughage and a High Concentrate Diet
Andrea Lundsford  
Mentor: Dr. Donald G. Ely, UK Department of Animal and Food Science

3:45 PM Rationale for and Presentation of First and Second Place Seminar Awards

4:00 PM Reception