# 12 01 36
**OPHTHALMIC RESEARCH**

The student will participate in on-going research projects in ophthalmic laboratories. In consultation with the elective director, the student will develop a research project in the area of ocular molecular genetics using transgenic mice models to investigate eye development and diseases, therapeutic strategies in treating congenital and acquired eye diseases using techniques of gene therapy and stem cell transplantation.

**DIRECTOR**  
Winston Kao, PHD

**DEPARTMENT**  
Ophthalmology

**INSTRUCTOR**  
Chia-Yang Liu PhD  
Mindy Call  
Winston Kao PHD  
Hongshan Liu MD, PHD

**SITE**  
Care Building

**REPORT 1ST DAY**  
CARE/Crawley 5860 8:30 a.m.

**LENGTH**  
8 to 12 wks

**CREDITS**  
16 to 24

**MAX. ENROLL**  
2

**INSTRUCTION**  
Basic science research (one-to-one instruction)  
Library time/independent study  
Lectures, conferences, seminars, grand rounds, etc.

**RESPONSIBILITIES**  
Performance of procedural techniques  
Attendance of conferences, grand rounds, research seminars, lectures  
Reading of literature and research  
Required topic presentations; one  
Structured journal club/critical reading of literature presentation; two (2) structured

**PREREQUISITES**  
Meet with Dr. Kao prior to enrollment