

MSTP STUDENT DESCRIPTION

NAME: EDWIN YAU

e-Mail address: edwinyau@buffalo.edu

Undergraduate College/University attended: Johns Hopkins University

Major: Biology

Years in MSTP (1-8): 7

DEPARTMENT: Pharmacology & Toxicology

THESIS ADVISOR: Jack Sullivan

RESEARCH DESCRIPTION:

PhD Thesis title: Ribozyme Development for Gene Therapy of Autosomal Dominant Retinitis Pigmentosa

Date of Completion (or expected) of PhD: **12/2008**

Research Description:

PUBLICATIONS / ABSTRACTS PRESENTED:

Sullivan JM, Yau E, Taggart RT, Butler MC, and Kolniak TA. (2008) Bottlenecks in development of retinal therapeutic post-transcriptional gene silencing agents. *Vis Res.* 48:453-469.

Abdelmaksoud HE, Yau E, Zuker M, and Sullivan JM. (2008) Development of Lead Hammerhead Ribozyme Candidates against Human Rod Opsin for Retinal Degeneration Therapy. *Exp Eye Res.* Dec 6.

Yau EH, Kolniak TA, Taggart RT, and Sullivan JM. (2008) Optimization of Ribozyme Agents for Human Rod Opsin Therapeutics. *Invest. Ophthalmol. Vis. Sci.* 49: E-Abstract 5344.

Yau E and Sullivan JM. (2007) High Throughput Cellular Screening for Ribozyme Development Against Arbitrary mRNA Targets. *Invest. Ophthalmol. Vis. Sci.* 48: E-Abstract 1681.

Yau E and Sullivan JM. (2006) Cell-Based High-Throughput Screening of Rationally Designed Ribozymes. *Invest. Ophthalmol. Vis. Sci.* 47: E-Abstract 848.

PROFESSIONAL/EDUCATIONAL MEETINGS ATTENDED (name of meeting, dates of attendance, location):

ARVO – 2006, 2007, 2008

AWARDS / HONORS:

NEI ARVO Travel Grant – April 2008

MEDICAL SCHOOL ACTIVITIES:

EXTRACURRICULAR INTERESTS:

