

Fall Vision Science Symposium

Wednesday, **December 2 and 6, 2011**, 1:00-3:00 pm, Optometry auditorium

We have access to the best medical care in the world mainly because clinical practice is based on scientific research. In subsequent courses you will be hearing more about "*evidence based medicine*," that is, clinical decisions based on the best available scientific evidence. Research is therefore very important, and it is important that you understand the research process. In subsequent courses, you will be doing more scientific reading, mainly of journal articles, and you will conduct your own research project in the Optometry Projects course sequence (OPT 6111, 6122, 6262, 7062) during your third and fourth years. The starting point for a research project is to choose a topic of interest and develop a specific research question. Then you will review the scientific literature to understand the background principles and review the latest scientific findings on your topic. Generally the newest and best scientific evidence comes from article published in *peer-reviewed journals*.

The purpose of our Vision Science Symposium is to introduce you to several of the top eye research journals. Your assignment:

- Select two partners and form a team of 3 reviewers.
- Select a journal from the list below. Inform Dr. Salmon of your group and journal ASAP.
- All of the journals can be accessed online through the NSU library page, via Scientific Direct or Ovid, or directly from their web sites.
- Review recent tables of contents for interesting articles. Select one that you will read and summarize for the symposium. Email Dr. Salmon your choice by Friday, November 4.
- Present a 7-minute PowerPoint summary of that article at the Vision Science Symposium. The Vision Science Symposium, is scheduled for Wednesday, November 16, from 1-3:00 PM in the optometry auditorium.

Journal name	Online source	Reviewers
American Journal of Ophthalmology Night Vision abs, Taun, 2006	Science Direct	Molly, Blake, Derek
Contact Lens and Anterior Eye Acanthamoeba, Bergmanson, 2011	Science Direct	Amy, Chad, Shabree
Eye & Contact Lens	Ovid	
Investigative Ophthalmology and Visual Science Cone density w/ age, Song, 2011	http://www.iovs.org/	Cassie, Courtney, Ali
Journal of Cataract and Refractive Surgery Corneal cross linking, Rehnman, 2011	Science Direct	Skylar, David, Ben
Journal of Vision Periph abs myopia, Mathur, 2009	http://www.journalofvision.org/	Rachel, Charles, John
Journal of Refractive Surgery Keratoconus, Reinstein, 2009	Ovid	Anthony, Drew, Trent
Ophthalmology Intracranial hypothens, Hwang, 2011	Science Direct	Jodie, Jamie, Leslie
Optometry and Vision Science Ray aberrometer, Pifriero, 2011	Ovid	Lauren, Kelley, Mollie G.
Vision Research	Science Direct	
Optometry, Journal of the AOA Lutein, zeaxanthin, Elliot, 2011	Science Direct	Casey, Jason, Amanda
Clinical & Experimental Optometry	http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1444-0938	

Current Eye Research	NSU library e-Journals (online)	
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