

You're Invited!



Electroretinography in Animal Research Lecture and In-vivo Wet Lab

Date: February 18, 2012 07:30 – 18:00

Where: Oquendo Center Medical Training Facility in Las Vegas, Nevada

Speakers: Gillian McLellan BVMS, PhD Associate Scientist and Clinical Instructor in Comparative Ophthalmology, University of Wisconsin-Madison
Ron Ofri DVM, PhD Associate Professor in Veterinary Ophthalmology, Hebrew University of Jerusalem

Overview: Join us February 18, 2012 at the Oquendo Center in Las Vegas, Nevada for an exciting course focused on animal ophthalmic and neuroscience research. This event is recommended for MD, PhD, DVM vision researchers who have interest in electroretinography, and want to expand their knowledge on the application and interpretation of ERG in animal research.

This electrophysiology of vision course will focus on retina function and visual pathway science and interpretation. There will be a morning lecture session followed by a round robin wet lab session in the afternoon. The hands-on, in-vivo ERG examination wet lab will cover rodent, canine, and equine subjects. Attendees will observe and have the opportunity to experience hands-on learning with all three species in a state of the art teaching facility.

Course Fee: \$ 950

One day 10 Hour Lecture and Wet Lab Course
A Special Rate of \$155 per Night for February 17 & 18 is Available Upon Registration for the Green Valley Ranch Resort, a Four Star Hotel
Ground Transportation to/from Airport, GVR, and Oquendo Center
Continental Breakfast, Lunch, and Refreshments Throughout the Day of Training

Register: www.ocuscience.us

or call (913) 205-6790
info@ocuscience.us



Topics:

**Anatomy & Physiology – Understanding Cellular Response to Light Interpretation – What’s in an ERG Waveform?
Flash, Pattern, and Multifocal ERGs – Benefits and Limitations
Troubleshooting and Getting Good Results
Managing the Patient – Anesthesia, Handling, and Best Practices
First Time Offered – Three Species ERG Examinations in One Day!**

About the Speakers: *Dr. Gill McLellan* has spent her career working in advancing comparative ophthalmology & visual sciences, and now is focusing on comparative glaucomatology including imaging of the retina and optic nerve, electrophysiology, aqueous humor dynamics, genetics and pathology of glaucoma in animals and humans. Dr. McLellan also has a strong research interest in comparative ophthalmic pathology, diseases of the retina and optic nerve in dogs, and the ocular & systemic effects of vitamin E deficiency in dogs. She will share her knowledge of electrophysiology in research, including applications of flash, pattern, and multifocal ERG to better understand retina and visual pathway function.

Dr. Ron Ofri concentrates his research on the physiology of vision, focusing on retinal electrophysiology and changes in visual function resulting from glaucoma and other diseases. Ron is a very popular speaker, having been invited to speak in more than 15 countries. He has lectured at national and world congresses for general practitioners, as well as advanced courses for veterinary ophthalmologists. Ron expanded his research interests to include comparative visual physiology in wildlife species, and to date has published more than 50 referred papers.

Agenda:

- 7:00- 7:15am : Shuttle pick-up guests from Green Valley Ranch Resort to the Oquendo Center
- 7:30am: Guests Arrive, Continental Breakfast
- 8:00 – 8:45am: *Origins of the ERG – Anatomy & Physiology*
- 8:45 – 9:30 am: *Waveform Composition – Retina and Visual Pathway Function*
- 9:30-9:45am: **Break**
- 9:45-10:30am: *Benefits and Limitations of Flash, Pattern, Multi-focal ERGs*
- 10:30 – 11:10am: *ERG Exam Procedures and Protocols – How to Get High Quality ERG Data*
- 11:10 – 11:15am: **5 Minute Break**
- 11:15am – 12:15pm: *Interpreting ERGs and Intro to Wet Lab*
- 12:15-1:15pm: **Lunch**
- 1:15-2:30pm: Round Robin Hands-on ERGs (Rodent)
- 2:30-2:35pm: **Rotate**
- 2:45-4:00pm: Round Robin Hands-on ERGs (Canine)
- 4:00-4:15pm: **Rotate**
- 4:15-5:30pm: Round Robin Hands-on ERGs (Equine)
- 5:30-6:00pm: Final Thoughts/Closing Remarks
- 6:00-6:15pm: Shuttle back to Green Valley Ranch Resort



Register Now

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