



### **NANOS**

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### Saturday, February 11

LOCATION

9:00 a.m. – 4:00 p.m. Board/Strategic Planning Meeting

2:00 p.m. - 8:30 p.m. Registration

7:00 p.m. – 8:30 p.m. Opening Reception (all are welcome)

Grand Oaks Foyer
Outdoors on Lawn 2

Larkspur/Indian Paintbrush

**Grand Oaks Foyer** 

**Grand Oaks A-F** 

**Grand Oaks A-F** 

**Grand Oaks A-F** 

**Grand Oaks G-I** 

Cibolo Moon

**Sunday House Room** 

### Sunday, February 12

6:00 a.m. – 7:00 a.m. Yoga Class 6:30 a.m. – 5:30 p.m. Registration

6:30 a.m. – 7:45 a.m. Continental Breakfast 6:30 a.m. – 3:30 p.m. Exhibit Hall Open 8:00 a.m. – 10:00 a.m. Guest Hospitality Suite

11:50 a.m. - 1:10 p.m. Lunch

7:45 a.m. – 5:00 p.m. FRANK B. WALSH SESSION [7.25 CME]

Chair: John E. Carter, MD

Neuropathologist: Dennis K. Burns, MD Neuroradiologist: Carlos Bazan, III, MD

Moderators:

Session I: Kyle Smith, MD and David Kaufman, DO

Session II: Jade S. Schiffman, MD and William A. Fletcher, MD
Session III: Martha P. Schatz, MD and Rosa Ana Tang, MD, MPH
Session IV: R. Nick Hogan, MD and Jacqueline A. Leavitt, MD

This session is designed to present a wide variety of neuro-ophthalmic cases to an audience of physicians with varying neuroscience backgrounds who have a common intellectual interest in the broad range of conditions that impact the human visual pathways and ocular motor systems.

The format is a clinicopathologic conference. Clinical cases will be presented by neuro-ophthalmologists with comments by a neuroradiologist, neuropathologist and other selected experts. Necropsy, surgical pathology, and neuroimaging will help illuminate clinical points. Cases will be discussed from clinical, anatomic, radiologic and pathologic aspects with emphasis on diagnosis, pathophysiology and management. Audience participation is encouraged.

At the conclusion of this program, participants should be able to: 1) Recognize the varied presentations of neuro-ophthalmic disease; 2) Correlate the anatomic localization and histopathologic appearance with the clinical presentations; 3) Effectively use radiologic procedures in diagnosis; 4) Recognize both the value and limitations of neuropathology; and 5) Discuss newly described diseases and their connection to neuro-ophthalmology.

5:15 p.m. – 5:45 p.m. Frank B. Walsh Committee Meeting

5:15 p.m. – 5:45 p.m. Fellowship Directors Meeting
5:45 p.m. – 6:15 p.m. Professional Standards (Fellowship) Committee Meeting

5:30 p.m. – 6:30 p.m. Resident/Student Program and Reception

Evening Dinner on your own

Dogwood Room Goldenrod Room Goldenrod Room Sunday House Room

### Monday, February 13

6:30 a.m. – 12:30 p.m. Registration Grand Oaks Foyer
6:30 a.m. – 7:30 a.m. Continental Breakfast Grand Oaks A-F
6:30 a.m. – 12:15 p.m. Exhibit Hall Open Grand Oaks A-F
7:00 a.m. – 7:30 a.m. Finance Committee Meeting Dogwood Room
8:00 a.m. – 10:00 a.m. Guest Hospitality Suite Cibolo Moon
7:30 a.m. – 9:40 a.m. The Other Optic Neuropathies (Not the Horses: The Zebras) [2.25 CME] Grand Oaks G-I

Moderators: Lynn K. Gordon, MD, PhD and Alfredo A. Sadun, MD, PhD

This symposium will focus on optic neuropathies that are either uncommon or have uncommon presentations. Topics for discussion include autoimmune, HIV-associated, and mitochondrial optic neuropathies that may be hereditary, toxic-metabolic, or syndromic optic neuropathies. In addition, there will be a point-counterpoint style discussion of how to evaluate a case of an atypical presentation of an optic neuropathy.

At the conclusion of this symposium, the attendees should be able to: 1) Recognize the different types of unusual optic neuropathies; 2) Know the diagnostic criteria for unusual syndromes of Mitochondrial Optic Neuropathies; 3) Know the current status for evaluation and management of Lebers Hereditary Optic Neuropathy; and 4) To examine potential underlying mechanisms of inflammatory optic neuropathies.

### PART I

7:30 a.m. – 7:32 a.m.	Introduction - Lynn K. Gordon, MD, PhD and Alfredo A. Sadun, MD, PhD
7:32 a.m. – 7:52 a.m.	Autoimmune/Inflammatory Optic Neuropathies Kenneth S. Shindler, MD, PhD
7:52 a.m. – 8:04 a.m.	Hereditary Mitochondrial Optic Neuropathies Valerio Carelli, MD
8:04 a.m. – 8:16 a.m.	Mitochondrial Optic Neuropathies: Toxic/Metabolic Alfredo A. Sadun, MD, PhD
8:16 a.m. – 8:28 a.m.	Syndromic Mitochondrial Optic Neuropathies Nancy Newman, MD
8:28 a.m. – 8:40 a.m.	NANOS Platform Presentation: Leber Hereditary Optic Neuropathy G11778A Gene Therapy Clinical Trial: Serial Pretreatment Evaluation from Baseline to Two Years Byron Lam, MD
8:40 a.m. – 8:52 a.m.	HIV-Associated Optic Neuropathy Marie D. Acierno, MD
8:52 a.m. – 9:07 a.m.	Panel Discussion with Q & A

Monday, February 13, continued

### PART II: CONTROVERSY - NAION

9:07 a.m. – 9:12 p.m. Introduction: When AION is atypical, (such as a 33 year old man), Do You Work up

Aggressively or Wait and See? Lynn K. Gordon, MD, PhD

9:12 a.m. – 9:36 a.m. Debates in Neuro-Ophthalmology

Deborah I. Friedman, MD, MPH and Jonathan Trobe, MD

9:36 a.m. – 9:40 a.m. Panel Discussion

9:40 a.m. – 10:00 a.m. Coffee Break 10:00 a.m. – 12:00 p.m. What's New in Pediatrics [2 CME] Grand Oaks A-F Grand Oaks G-I

Moderators: Michael C. Brodsky, MD and Grant T. Liu, MD

This symposium will focus on four topics: 1) Differences and Similarities between Idiopathic Intracranial Hypertension, Myasthenia Gravis, Optic Neuritis, and Horner's in Children vs. Adults; 2) Neuroanatomy of Infantile Strabismus; 3) Optic Nerve Hypoplasia; and 4) Optic Gliomas: Hamartomas versus Neoplasms.

At the conclusion of this symposium, the attendees should be able to: 1) Understand the differences and similarities between children and adults with common neuro-ophthalmic problems; 2) Become familiar with new concepts explaining the neuroanatomy of infantile strabismus; 3) Know the historical aspects as well as the new management guidelines regarding optic nerve hypoplasia; and 4) Understand the issues involved in the controversial question: are optic gliomas hamartomas or neoplasms?

10:00 a.m. – 10:30 a.m. Differences and Similarities Between Idiopathic Intracranial Hypertension,

Ocular Myasthenia Gravis, Optic Neuritis, and Horner's in Children vs. Adults

Grant T. Liu, MD

10:30 a.m. – 11:00 a.m. The Accessory Optic System: The Fugitive Visual Control System in Infantile Strabismus

Michael C. Brodsky, MD

11:00 a.m. - 11:30 a.m. What's New (and Old) in Optic Nerve Hypoplasia

Mark Borchert, MD

### Point-Counterpoint: Optic Pathway Gliomas

11:30 a.m. – 11:40 p.m. Why Juvenile Pilocytic Astrocytoma Optic Pathway Gliomas are Hamartomas

Cameron Parsa, MD

11:40 a.m. – 11:50 a.m. Optic Pathway Gliomas are Neoplasms

Grant T. Liu, MD

11:50 a.m. – 12:00 p.m. *Panel Discussion* 

Monday, February 13, continued

12:15 p.m. – 12:45 p.m. Archives Committee Meeting Goldenrod Room		
12:30 p.m. – 2:30 p.m.	Women in Neuro-Ophthalmology (WIN) Meeting	Indian Paintbrush/Larkspur
1:00 p.m. – 3:00 p.m.	Getting Your Manuscript Published [2 CME]	Iris/Lily Room
	Walter Jay, MD, Lanning B. Kline, MD, and Jason Roberts, PhD	
1:00 p.m. – 4:00 p.m.	Digital Tidbits and NOVEL Update [3 CME]	Grand Oaks G-I
	Nancy Lombardo, Jeanne Le Ber, and Edmond J. FitzGibbon, MD	
3:00 p.m. – 5:00 p.m.	Young Neuro-Ophthalmologist Forum	<b>Sunday House Room</b>
3:30 p.m. – 4:30 p.m.	Yoga Class	Larkspur/Indian Paintbrush
4:00 p.m. – 5:00 p.m.	International Relations Committee Meeting	Dogwood Room
4:00 p.m. – 5:00 p.m.	NOVEL Committee Meeting	<b>Bluebonnet Room</b>
5:00 p.m. – 7:00 p.m.	SCIENTIFIC PLATFORM PRESENTATIONS: SESSION I [2 CME]	Grand Oaks G-I

### Tuesday, February 14

6:00 a.m. – 7:00 a.m.	Yoga Class	Larkspur/Indian Paintbrush
6:30 a.m. – 12:30 p.m.	Registration	<b>Grand Oaks Foyer</b>
6:30 a.m. – 7:30 a.m.	Continental Breakfast	<b>Grand Oaks A-F</b>
6:30 a.m. – 12:15 p.m.	Exhibit Hall Open	<b>Grand Oaks A-F</b>
6:30 a.m. – 7:30 a.m.	JNO Editorial Meeting	<b>Sunday House Room</b>
7:00 a.m. – 7:30 a.m.	CME Committee Meeting	Dogwood Room
7:30 a.m. – 12:00 p.m.	SCIENTIFIC PLATFORM PRESENTATIONS: SESSION II [3.75 CME]	Grand Oaks G-I
8:00 a.m. – 10:00 a.m.	Guest Hospitality Suite	Cibolo Moon
9:15 a.m. – 9:30 a.m.	Update: The Journal of Neuro-Ophthalmology	Grand Oaks G-I
	Lanning Kline, MD, Editor-in-Chief and Jason Roberts, PhD, Managing I	Editor
9:30 a.m. – 10:00 a.m.	Coffee Break	<b>Grand Oaks A-F</b>
6:00 p.m. – 9:30 p.m.	POSTER SESSION [3.5 CME]	<b>Grand Oaks Ballroom J</b>

### Wednesday, February 15

6:30 a.m. – 12:30 p.m.	Registration	Grand Oaks Foyer
6:30 a.m. – 7:30 a.m.	Continental Breakfast	<b>Grand Oaks A-F</b>
7:00 a.m. – 7:30 a.m.	Annual NANOS Business Meeting (all encouraged to attend)	<b>Grand Oaks G-I</b>
8:00 a.m. – 10:00 a.m.	Guest Hospitality Suite	Cibolo Moon
7:30 a.m. – 11:00 a.m.	Practical Update on Nystagmus, Vestibular and other	<b>Grand Oaks G-I</b>
	Motility Disorders [3 CMF]	

Motility Disorders [3 CME]

Moderators: William A. Fletcher, MD, FRCPC and Agnes Wong, MD, PhD, FRCSC

This symposium will provide a practical update on vestibular and supranuclear ocular motor disorders, including nystagmus and saccadic oscillations and intrusions. At the conclusion of the symposium, attendees should be able to provide better care of patients with these disorders through improved understanding of: 1) Pathogenesis and diagnosis of supranuclear and vestibular dysfunction; 2) Pathophysiology and causes of nystagmus and saccadic oscillations and intrusions; and 3) Recent developments in the treatment of these disorders.

7:30 a.m. – 8:25 a.m. Ocular Motor Disorders Due to Diseases of the Cerebellum and Vestibular System David Zee, MD

Wednesday, February 15, continued

8:25 a.m. – 9:20 a.m. Ocular Motor Disorders of the Cerebrum and Brainstem

R. John Leigh, MD

9:20 a.m. - 9:45 a.m. Coffee Break

**Grand Oaks A-F** 

9:45 a.m. - 10:10 a.m. Nystagmus

William A. Fletcher, MD, FRCPC

10:10 a.m. – 10:35 a.m. Saccadic Oscillations and Intrusions

Shirley Wray, MD, PhD

10:35 a.m. – 11:00 a.m. Treatment of Nystagmus and Saccadic Oscillations

Matthew Thurtell, MBBS, FRACP

11:00 a.m. - 12:00 p.m. Jacobson Lecture [1 CME]

**Grand Oaks G-I** 

The Lasting Scientific Contributions of Dr. Daniel Jacobson

Jonathan Trobe, MD

12:15 p.m. - 2:15 p.m. Research Committee Meeting Luncheon

Dogwood Room Grand Oaks G-I

1:00 p.m. – 3:00 p.m. Skills Transfer Session [2 CME]

Ivy Dreizin, MD, Eric Eggenberger, DO, Jorge C. Kattah, MD,

R. John Leigh, MD, David Newman-Toker, MD, PhD, John H. Pula, MD, and David Zee, MD

1:00 – 1:15 p.m. Introduction to the Vestibular Exam

1:20 - 2:35 p.m. Hands-on Training Sessions

- 1. Vestibular-Ocular Reflex testing—John Pula, MD, David Newman-Toker, MD, PhD
- 2. Positional Testing of Posterior Semicircular Canals—Eric Eggenberger, DO
- 3. Positional Testing of Horizontal Semicircular Canals—David Zee, MD
- 4. Provocative Testing (nystagmus elicitation)—Jorge Kattah, MD
- Gaze Testing (ocular alignment, saccades, smooth ocular pursuit, and smooth eye-head tracking)
   R. John Leigh, MD

2:40 -3:00 p.m. Unknown Case Presentation and Summary—Jorge Kattah, MD, John Pula, MD

At the conclusion of this symposium, the attendees should be able to: 1) Perform a basic neuro-vestibular examination, including vestibular-ocular reflex testing, testing for positional vertigo, gaze testing, and testing to elicit nystagmus; 2) Use the exam to help distinguish peripheral from central vestibular disorders.

1:00 p.m. - 3:00 p.m. Skip's Tips [2 CME]

Iris/Lily Room

Richard H. Legge, MD

Skip's Tips is designed to be an information exchange in the area of practice management. Each attendee is to bring one suggestion to share with the group. This year's theme is "Preparing For Health Care Reform". Other tips are welcome as well.

At the conclusion of this symposium, the attendees should be able to: 1) Improve knowledge of new health care reform legislation; 2) Learn strategies for incorporating principals of health care reform into daily practice; and 3) Improve understanding of changes in the health insurance industry that will impact neuro-ophthalmology.

Wednesday, February 15, continued

3:30 p.m. – 4:15 p.m. Abstract Committee Meeting Goldenrod Room 4:30 p.m. – 9:30 p.m. Annual NANOS Reception and Banquet (see page 9 for details) Knibbe Ranch

A good old-fashioned country BBQ will theme this year's annual reception and banquet. Join your colleagues for a fun, casual evening of dining and dancing. Attire is casual; denim, hats, and boots are encouraged! Event is complimentary for attendees. Guest tickets are available for \$100. Pre-registration is required to help us with attendance guarantees.

Buses for skeet shooters (see page 9) will depart the hotel at 3:00 p.m. Buses for the main event will depart at 4:30 p.m. All buses will return to the hotel by 9:30 p.m.

### Thursday, February 16

6:30 a.m. – 12:30 p.m. Registration Grand Oaks Foyer
6:30 a.m. – 7:30 a.m. Continental Breakfast Grand Oaks A-F
8:00 a.m. – 10:00 a.m. Guest Hospitality Suite Cibolo Moon
7:30 a.m. – 9:30 a.m. Emerging Trends in Interventional Neuroradiology [2 CME]

Moderators: Norah S. Lincoff, MD and Neil R. Miller, MD

This symposium will focus on emerging trends in interventional neuroradiology as they relate to neuro-ophthalmology. Using a case presentation format, current interventional techniques will be discussed for treatment of carotid-cavernous fistulas, aneurysms, vascular basal skull tumors, and venous sinus stenosis in the setting of pseudotumor cerebri. In addition, the symposium will include a discussion of the advances and pseudo-advances in the stents and coils currently used by neurointerventionalists. There will also be a presentation concerning complications of neurointerventions at one of the leading centers in the United States. Finally, there will be a presentation concerning the rationale for and use of neurointerventional techniques in patients with multiple sclerosis and evidence of chronic cerebrospinal venous insufficiency.

At the conclusion of this symposium, the attendees should be able to: 1) Identify the current neurointerventional techniques used to treat various vascular disorders of neuro-ophthalmologic significance; 2) Understand the nature of current and future stents and coils used in neurointervention; 3) Know the potential neuro-ophthalmologic complications of neurointervention; and 4) Understand the rationale for and use of neurointerventional techniques in the treatment of patients with multiple sclerosis who have evidence of chronic cerebrospinal venous insufficiency.

7:30 a.m. – 8:10 a.m.	Neuro-ophthalmologic Implications of Interventional Neuroradiology Philippe Gailloud, MD and Neil R. Miller, MD
8:10 a.m. – 8:30 a.m.	Lessons Learned From Mistakes by "Experts" in Treating Neurovascular Disorders Mark J. Kupersmith, MD
8:30 a.m. – 9:00 a.m.	Recent Advances in Neurointerventional Techniques Relevant to the Neuro- Ophthalmological Sphere Philippe Gailloud, MD

Thursday, February 16, continued

9:00 a.m. – 9:20 a.m. Chronic Cerebrospinal Venous Insufficiency: A CSI Approach – CSI of CCSVI

Norah S. Lincoff, MD

9:20 a.m. – 9:30 a.m. Panel Discussion

9:30 a.m. – 10:00 a.m. Coffee Break 10:00 a.m. – 12:00 p.m. Advances in Neurosurgery [2 CME] Grand Oaks A-F

Grand Oaks G-I

Moderators: Steven A. Newman, MD and Prem S. Subramanian, MD, PhD

This symposium will cover new technical and conceptual advances in neurosurgery that have implications for neuro-ophthalmology both in terms of diagnosis and potential complications. Topics to be addressed include approaches to the skull base through minimally invasive techniques including endoscopically.

The symposium will address evolving indications and potential complications as well as current neurosurgical fieldings about optimal, surgical, and adjunctive treatment of parasellar tumors. This symposium will also address potential for evolving radiosurgical options in the treatment of skull base lesions.

At the conclusion of the symposium, the attendees should be able to: 1) Understand the anatomic considerations that underlie decision-making processes in minimally invasive surgery; 2) Recognize radiographic and clinical signs that favor surgery for meningioma; 3) Describe therapies that may be used to reduce the risk of craniopharygioma recurrence; and 4) Know the relative limitations of surgical treatment and the role of radiation therapy in patients with clival and paraclival bony tumors.

10:00 a.m. – 10:40 a.m. Anatomy as the Substrate for Innovation: 360° Corridor Surgery for Skull Base Lesions
Affecting the Visual System
Amin Kassam, MD

10:40 a.m. – 11:00 a.m. Advances in the Management of Skull Base *Meningioma* Prem S. Subramanian, MD, PhD

11:00 a.m. – 11:20 a.m. Current State of the Art in *Craniopharyngioma Management* S. Tonya Stefko, MD

11:20 a.m. – 11:40 a.m. Advances in Neurosurgery: Bony Tumors of the Skull Base Louise Mawn, MD

11:40 a.m. - 12:00 p.m. Discussion

12:00 p.m. Meeting adjourns

ACCREDITATION: This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through sponsorship of the North American Neuro-Ophthalmology Society. NANOS is accredited by the ACCME to provide continuing medical education (CME) for physicians. The North American Neuro-Ophthalmology Society NANOS designates this live activity for a maximum of 34 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. A CME verification form will be distributed during the meeting.

# 38<sup>th</sup> Annual NANOS Meeting FACULTY LISTING

Marie Acierno, MD

LSU Health Sciences Center, LSU Eye Center Baton Rouge, LA

Carlos Bazan, III, MD

The University of Texas Health Science Center at San Antonio San Antonio, TX

Mark Borchert, MD

Childrens Hospital Los Angeles Los Angeles, CA

Michael C. Brodsky, MD

Mayo Clinic Rochester, MN

Dennis K. Burns, MD

UT Southwestern Dallas, TX

Valerio Carelli, MD

University of Bologna Bologna, Italy

John E. Carter, MD

The University of Texas Health Science Center at San Antonio San Antonio. TX

Ivy Dreizin, MD

University of Wisconsin Medical Foundation Madison, WI

Eric Eggenberger, DO

Michigan State University East Lansing, MI

Edmond J. FitzGibbon, MD

National Eye Institute/NIH Bethesda. MD

William A. Fletcher, MD, FRCPC

Rockyview General Hospital, University of Calgary Calgary, AB, Canada

Deborah Friedman, MD, MPH

University of Texas Southwestern Dallas. TX

Philippe Gailloud, MD

The Johns Hopkins University School of Medicine Baltimore, MD

Lynn K. Gordon, MD, PhD

Jules Stein Eye Institute, David Geffen School of Medicine Los Angeles, CA

R. Nick Hogan, MD, PhD

University of Texas Dallas, TX

Walter Jay, MD

Loyola University Medical Center Maywood, IL Amin Kassam, MD

University of Pittsburgh Pittsburgh, PA

Jorge C. Kattah, MD

University of Illinois, OSF Saint Francis Hospital Peoria, IL

David Kaufman, DO

Michigan State University E. Lansing, MI

Lanning B. Kline, MD

University of Alabama Birmingham, AL

Mark J. Kupersmith, MD

Roosevelt Hospital New York, NY

Jacqueline A. Leavitt, MD

Mayo Clinic Rochester, MN

Jeanne Le Ber

University of Utah The Eccles Health Sciences Library Salt Lake City, UT

Richard H. Legge, MD

Omaha, NE

R. John Leigh, MD

Case Western Reserve University Cleveland, OH

Norah S. Lincoff, MD

SUNY, School of Medicine Buffalo, NY

Grant T. Liu, MD

University of Pennsylvania School of Medicine Philadelphia, PA

Nancy Lombardo

University of Utah The Eccles Health Sciences Library Salt Lake City, UT

Louise Mawn, MD

Vanderbilt Eye Institute Nashville, TN

Neil R. Miller, MD

Wilmer Eye Institute, Johns Hopkins Hospital Baltimore, MD

Nancy Newman, MD

Emory University School of Medicine Atlanta, GA

Steven A. Newman, MD

University of Virginia Charlottesville, VA David Newman-Toker, MD, PhD

Johns Hopkins Hospital Baltimore, MD

Cameron Parsa, MD

University of Wisconsin Madison, WI

John H. Pula, MD

University of Illinois College of Medicine Peoria, IL

Jason Roberts, PhD

JNO Editorial Office Plymouth, MA

Alfredo A. Sadun, MD, PhD

Doheny Eye Institute Los Angeles, CA

Martha P. Schatz, MD

United States Air Force, Wilford Hall Medical Center San Antonio, TX

Jade S. Schiffman, MD

MD Anderson Cancer Center Houston, TX

Houston, IX

Kenneth Shindler, MD, PhD

Scheie Eye Institute, University of Pennsylvania Philadelphia, PA

Kyle Smith, MD

Scott & White Eye Institute Temple, TX

S. Tonya Stefko, MD

University of Pittsburgh Medical Center Pittsburgh, PA

Prem S. Subramanian, MD, PhD

Wilmer Eye Institute, Johns Hopkins Hospital Baltimore, MD

Rosa Ana Tang, MD, MPH

Houston, TX

Matthew Thurtell, MBBS, FRACP

University of Iowa Iowa City, IA

Jonathan Trobe, MD

University of Michigan Ann Arbor, MI

Agnes Wong, MD, PhD, FRCSC

University of Toronto, The Hospital for Sick Children Toronto, ON, Canada

Shirley Wray, MD, PhD

Massachusetts General Hospital Boston, MA

David Zee, MD

Johns Hopkins Hospital Baltimore, MD

### **SOCIAL EVENTS**

### Saturday, February 11

Please join us for the **Opening Reception**, which will take place from 7:00 – 8:30 p.m. outdoors on Event Lawn 2. All are welcome to attend this opening reception, which features wine and cheese. Dinner will not be served.

### Wednesday, February 15

NANOS Annual Banquet with Optional Tours / 4:30 p.m. - 9:30 p.m. / Knibbe Ranch

A good old-fashioned country BBQ will theme this year's annual reception and banquet. Join your colleagues for a fun, casual evening of dining and dancing. Attire is casual; denim, hats, and boots are encouraged! *Guests and children are welcome.* Event is complimentary for attendees. Guest tickets are available for \$100.

Buses for skeet shooters (see the next page for optional tour) will depart the hotel at 3:00 p.m. Buses for all others will depart from the Ballroom entrance at 4:30 p.m. All buses will return to the hotel by 9:30 p.m.

### - OPTIONAL KNIBBE RANCH TOUR -

This tour is offered complimentary to banquet attendees.

Embark on a tour of a real, working Texas cattle ranch. Owner Chuck Knibbe or other family members will take guests on a full tour to include:

- F-1 Tiger Stripe cattle. Hear and see how a real Texas ranch operation works.
- The Longhorns. Our steer, Oreo, allows guests to sit on him for photos, or take photos standing next to Sundance, whose horns measure nearly 9 feet across from tip to tip.
- Prehistoric nomadic Indian sites
- Buffalo jump
- Knibbe Knoll with panoramic views of the spectacular Texas Hill Country and wildlife viewing

### - OPTIONAL SKEET SHOOTING AT KNIBBE RANCH -

Cost: \$90 (a minimum of 20 participants is required)



"Clay" targets are thrown at various heights, angles, and speeds that simulated shots they could expect to encounter when going field in pursuit of winged game. You will experience the same thrill and excitement that has been enjoyed for more than 100 years. Once on the "shooting line", each person will be given a series of targets. The targets are machine-thrown remotely, so the instructor can adjust the level of difficulty to accommodate each individual shooter. Each shooter will have targets from each station of the rotation, always under the helpful and watchful eye of your instructor. This activity promises to be entertaining,

educational and challenging for everyone. Comfortable shoes and clothing (shorts acceptable), baseball cap (optional) and a strong desire to enjoy yourself are all that is needed for this activity.

Buses for skeet shooters will depart the hotel at 3:00 p.m. The reception and banquet will follow skeet shooting at the ranch.

Participants must be 18 years or older.

### OPTIONAL TOURS AND FREE TIME ACTIVITIES

All buses will depart from the Ballroom entrance for off-site tours.

Fun Run: Sunday, February 12 • 5:30-6:30 p.m. • Cost: FREE

Get some fresh air with Bound Outdoors on a 5k run or 1 mile walk! Miles of paved pathways offer a picturesque outdoor setting for this event and staff will lead you through stretches before we get going. Just meet us at 5:30 p.m. on the hotel lawn outside of Starbucks for this run/walk through the wonderful outdoors of the JW Marriott. The event is meant for everyone to enjoy themselves and get some exercise at the same time.

**Yoga Class:** February 12 & 14, 6:00 - 7:00 a.m. • February 13, 3:30 - 4:30 p.m.

Cost: \$5 per class (to offset yoga mat costs) Maximum number of participants is 30 per session

Join us for a complete workout that will strengthen and stretch every area of your body. Our practice will blend the most effective postures from sun salutations to balance poses in a purposeful sequence. Emphasis is on strength and flexibility, so be prepared to breathe and sweat. All levels from newcomer to expert are welcome for 50 minutes of athletic yoga. Please bring water and a hand towel. Mats will be provided. The class will be led by Peter Quiros. Classes will begin on time so don't be late! Yoga classes will be held in the Larkspur/Indian Paintbrush room.

### Tuesday, February 14

Tortilla 101 - Cooking Class with Blanca: Tuesday, February 14 • 12:15 - 3:15 p.m. • Cost: \$85



It's hip, it's fun, it's educational, it's hands-on and it's Blanca! Blanca Aldaco is teaching how to make the native Mexican cuisine and the perfect margarita! An entrepreneur and restaurateur for more than 15 years, Blanca is easily recognized as she works alongside her staff and makes time to mingle in her popular and trend-setting restaurants. She is credited with many successes in the restaurant industry and serves as a role model for women having created more than 1,000 jobs in the city and serving more than one million customers. Blanca makes the class fabulously fun and an exciting cultural experience! Learn the technique on how to make the perfect Enchiladas Verde. The entrée is served with delicious rice, Borracho beans, salsa and tostadas, margaritas and the outstanding Pastel Tres Leches (three milk cake) which is out of this world!

Included in the price is: transportation, enchilada demonstration, how to make a margarita lesson, recipe cards, lunch, dessert, a margarita, and iced tea or soda.

Historic San Antonio: Tuesday, February 14 • 12:15 - 4:30 p.m. • Cost: \$55 (Includes boxed lunch)



First, we will drive by the complex known worldwide as "The Alamo." On March 6, 1836, the death of the Alamo Defenders has come to symbolize courage and sacrifice for the cause of Liberty. The defeat of the upstart "Texians" by Santa Anna's army inspired others to "Remember the Alamo" and win independence for Texas one month later.

We continue to the historic **King William District**, the most elegant residential area in the city in the 1800's. The Victorian-era mansions and perfectly kept gardens provide a welcome

backdrop for our step back in time. We will walk a short distance to visit the only house in the District open to the public – the **Steves Homestead**.



Centrally located in the elite old German residential section on the banks of the San Antonio River, in the King William Historic District. Edward Steves who immigrated to Texas in 1848 and later founded the Steves Lumber Company built this lovely restored home in 1876.



Next, we will drive by **San Fernando Cathedral**, the oldest cathedral sanctuary in the United States. The original parish church of the Canary Island settlers, this cathedral, built in 1738, was the geographic and social center of San Antonio until the early 1900's. Mexican General Santa Anna raised the flag of "no quarter" from San Fernando's tower during the siege of the Alamo.

We continue with a drive by the **Spanish Governor's Palace**, which was built to serve as the official residence for the commander of the Presidio de San Antonio, the "Commandancia," as it was known, became the seat of Spanish government in Texas. The keystone above the heavy hand-carved walnut doors brandishes the Hapsburg Coat of Arms in honor of King Philip V of Spain, establishing completion date for the house as 1749.

Our final destination will be Market Square. Known as **El Mercado** by the locals, it captures San Antonio's Mexican and Hispanic heritages. Its two blocks of shops are filled with everything from piñatas and pottery to colorful clothing and onyx carvings to metal work, woven baskets and blankets. Its restaurants offer great dining and mariachi music.

Golf Tournament: Tuesday, February 14 • 12:30 - 5:30 p.m. • Cost: \$173

Spend an afternoon golfing in the NANOS tournament at the AT&T Oaks Golf Course, which is the newest addition to the PGA Tour's TPC Network of premier courses. It was designed by Pete Dye and Greg Norman. The AT&T Oaks course is the new home to the Valero Texas Open. This scramble tournament includes 18 holes of golf, a cart, driving range balls, and prizes. Rental clubs are available for \$70 plus tax.

### REGISTRATION INFORMATION

ON-SITE REGISTRATION HOURS: (located in Grand Oaks Ballroom Foyer)

 Saturday
 2:00 p.m. – 8:30 p.m.

 Sunday
 6:30 a.m. – 5:30 p.m.

 Monday – Thursday
 6:30 a.m. – 12:30 p.m.

SPECIAL REQUIREMENTS: NANOS fully complies with the legal requirements of the Americans with Disabilities Act and the rules and regulations thereof.

EVALUATION AND CME CERTIFICATE: CME certificates will be available at the NANOS registration desk at the conclusion of the Annual Meeting on Thursday. Please complete the meeting evaluation form and bring it to the registration desk in exchange for a CME certificate.

### **GROUND TRANSPORTATION & VISITOR INFORMATION**

Travel time between the airport and the JW Marriott is approximately 20 minutes. Below are details taxi, shuttle, and driving options.

- Taxi service to the JW Marriott is approximately \$40
- Shuttle: SA Trans Shuttle Service is available from the Airport for \$34 each way. Reservations can be made by calling (210) 281-9900.
- Driving: From North HWY 281, take a right at the light onto TPC Parkway. The JW Marriott Resort will be located on your left on Resort Parkway.

For visitor information, please feel free to visit the following websites:

- JW Marriott San Antonio Hill Country Resort & Spa: <a href="http://www.jwsanantonio.com/">http://www.jwsanantonio.com/</a>
- San Antonio Convention and Visitors Bureau: <a href="http://www.visitsanantonio.com/">http://www.visitsanantonio.com/</a>

## **SAVE THE DATES!**



NANOS 2013
39<sup>th</sup> Annual NANOS Meeting
February 9-14, 2013
Snowbird Ski and Summer Resort
<a href="http://www.snowbird.com/lodging/clifflodge.html">http://www.snowbird.com/lodging/clifflodge.html</a>
Snowbird, Utah

NANOS 2014

40<sup>th</sup> Annual NANOS Meeting
March 1-6, 2014
Rio Mar Beach Resort, a Wyndham Grand Resort
<a href="http://www.wyndhamriomar.com">http://www.wyndhamriomar.com</a>
Rio Grande, Puerto Rico





North American Neuro-Ophthalmology Society February 11-16, 2012 | San Antonio, TX