

American Society for Stereotactic and Functional Neurosurgery

2012 Biennial Meeting

June 3-6, 2012

Fairmont San Francisco Hotel



Meeting Directors



Ali Rezai, MD
ASSFN President
Ohio State University Medical Center
Columbus, OH



Philip Starr, MD, PhD
Meeting Chairman
University of California, San Francisco
San Francisco, CA



Peter Konrad, MD
Scientific Program Co-Chair
Vanderbilt Medical Center
Nashville, TN



Brian Kopell, MD
Scientific Program Co-Chair
Mt. Sinai Medical Center
New York, NY



Daniel Lim, MD, PhD
Local Chairman
University of California, San Francisco
San Francisco, CA



G. Rees Cosgrove, MD
Honored Guest
Brown University
Providence, RI

Stoll Professor and Chair of the Department of Neurosurgery,
The Warren Alpert Medical School of Brown University

G. Rees Cosgrove, MD, FRCS, is an internationally renowned neurosurgeon specializing in the surgical treatment of epilepsy and all aspects of stereotactic and functional neurosurgery. He is a member of the executive committee of the World Society of Stereotactic and Functional Neurosurgery; past president of the American Society of Stereotactic and Functional Neurosurgery and an active member of the American Association of Neurosurgeons; the Congress of Neurological Surgeons; the American Academy of Neurological Surgery; and the Society of Neurological Surgeons. Dr. Cosgrove is the author of over 100 peer-reviewed publications, 165 abstracts and 46 book chapters. He has been an invited guest lecturer over 140 times and a visiting professor at 32 different academic institutions around the world. Dr. Cosgrove received his training at the Montreal Neurological Institute and has received a number of honors, including the Gold Medal in Surgery of Queen's University, the Wilder Penfield Award of the Montreal Neurological Institute, the Daniel D. Federman Outstanding Clinical Educator Award of Harvard Medical School and an Honorary Litchfield Lectureship from Oxford University.

Meeting Description

The ASSFN biennial meeting is dedicated to the rapidly growing specialty of stereotactic and functional neurosurgery. The 2012 meeting welcomes honored guest lecturer (and ASSFN Past President) G. Rees Cosgrove from Brown University. This year there are three pre-meeting workshops: *DBS: A Practical Course for Neurologists, Nurse Practitioners, and Physician's Assistants; Electrocorticography in Basic Neuroscience Research; and The Spectrum of Stereotactic and Functional Neurosurgery for Residents and Fellows*. Special topic breakfast sessions will once again be offered each day before the plenary sessions. Addressing the need to cover more topics, parallel sessions will be offered for the first time on Tuesday and Wednesday morning. Key topics include Movement Disorders, Psychiatric Disease, Epilepsy, Pain Therapies, Neuroimaging, Neuroprosthesis, Radiosurgery & Neuro-Oncology and Technology Transfer. There will be lectures by internationally acclaimed faculty as well as oral and poster presentations selected from submitted abstracts. The meeting emphasizes cutting-edge clinical applications and recent discoveries in the basic neurosciences and the impact they will have on future advances in stereotactic and functional neurosurgery.

Learning Objectives

Upon completion of this educational activity, participants should be able to:

1. Describe the recent findings in the pathophysiology of neurologic and psychiatric disorders.
2. Discuss surgical strategies for the treatment of movement disorders, chronic pain, epilepsy, psychiatric disorders, Alzheimer's disease, and brain tumors.
3. Discuss new applications of deep brain stimulation and other forms of neuromodulation.
4. Discuss emerging radiosurgical therapies.
5. Apply recent advances in research to the clinical practice of functional neurosurgery.
6. Discuss new methods of surgical navigation, along with their pros and cons.

Target Audience

Neurosurgeons, Neurologists, Neuroscientists, Neuro-radiologists, Psychiatrists, Nurses, and Biomedical Engineers.



American
Association of
Neurological
Surgeons

Jointly Sponsored by AANS

Invited Meeting and Workshop Speakers

John Adler, Jr., MD

Stanford University
Stanford, CA

Ellen Air, MD, PhD

University of Cincinnati
Cincinnati, OH

Ronald Alterman, MD

Beth Israel Deaconess Medical Center
Boston, MA

Tipu Aziz, FRCS(SN), D.Med. Sci.

University of Oxford
Oxford, England

Roy Bakay, MD

Rush University Medical Center
Chicago, IL

Nicholas Barbaro, MD

Indiana University School of Medicine
Indianapolis, IN

Nicholas Boulis, MD

Emory University
Atlanta, GA

Helen Bronte-Stewart, MD, MSE

Stanford University
Stanford, CA

Kim Burchiel, MD, FACS

Oregon Health & Science University
Portland, OR

Edward Chang, MD

University of California, San Francisco
San Francisco, CA

G. Rees Cosgrove, MD, FRCS

Brown University
Providence, RI

Emad Eskandar, MD

Massachusetts General Hospital
Boston, MA

Robert Fisher, MD, PhD

Stanford University
Stanford, CA

Itzhak Fried, MD, PhD

University of California, Los Angeles
Los Angeles, CA

Nicholas Galifianakis, MD, MPH

University of California, San Francisco
San Francisco, CA

Karunesh Ganguly, MD, PhD

University of California San Francisco
San Francisco, CA

Peter Goadsby, MD, PhD

University of California, San Francisco
San Francisco, CA

Robert Goodman, MD, PhD

The Neurological Institute of New York
New York, NY

Nalin Gupta, MD, PhD

University of California, San Francisco
San Francisco, CA

Suzanne Haber, PhD

University of Rochester Medical Center
Rochester, NY

Susan Heath, RN, MS

San Francisco VA Medical Center
San Francisco, CA

Adam Hebb, MD

University of Washington
Seattle, WA

Coralie de Hemptinne, PhD

University of California, San Francisco
San Francisco, CA

Jaimie Henderson, MD

Stanford University
Stanford, CA

Kathryn Holloway, MD

Medical College of Virginia
Richmond, VA

Paul Holtzheimer, MD, MS

Dartmouth Medical School
Lebanon, NH

Paul House, MD

University of Utah School of Medicine
Salt Lake City, UT

Matthew Howard, III, MD

University of Iowa Hospital and Clinics
Iowa City, IA

Suketu Khandhar, MD

Sacramento Medical Center
Sacramento, CA

Brian Kopell, MD

Mt. Sinai Medical Center
New York, NY

Joachim Krauss, MD

University of Hannover
Hannover, Germany

Anatol Kreitzer, PhD

University of California, San Francisco
San Francisco, CA

Todd Langevin

Functional Neuromodulation, Inc.
Edina, MN

Paul Larson, MD

University of California, San Francisco
San Francisco, CA

Kendall Lee, MD, PhD

Mayo Clinic - Minnesota
Rochester, MN

Eric Leuthardt, MD

Washington University
St. Louis, MO

Robert Levy, MD, PhD

Shands Jacksonville Neuroscience Institute
University of Florida College of Medicine
Jacksonville, FL

Daniel Lim, MD, PhD

University of California, San Francisco
San Francisco, CA

Rodolfo Llinas, MD, PhD

NYU Langone Medical Center
New York, NY

Russell Lonser, MD

National Institutes of Health
Bethesda, MD

Kip Ludwig, PhD

National Institute of Neurological Disorders and Stroke
Bethesda, MD

Guy McKhann, MD

Columbia University
New York, New York

Kai Miller, MD, PhD

Stanford University
Stanford, CA

Alon Mogilner, MD, PhD

North Shore-Long Island Jewish Health System
Manhasset, NY

Vivian Mushahwar, PhD

University of Alberta
Edmonton, Alberta, Canada

Joseph Neimat, MD

Vanderbilt University Medical Center
Nashville, TN

Jeffrey Ojemann, MD

Seattle Children's Hospital
Seattle, WA

Michael Okun, MD

University of Florida
Gainesville, FL

Jill Ostrem, MD

University of California, San Francisco
San Francisco, CA

Nathan Pliam, MD, PhD

Bay City Capital
San Francisco, CA

Nader Pouratian, MD

University of California, Los Angeles
Los Angeles, CA

Erich Richter, MD

Louisiana State University Health Sciences Center
New Orleans, LA

John Rolston, MD, PhD

University of California, San Francisco
San Francisco, CA

Michael Schulder, MD, FAANS

North Shore-Long Island Jewish Health System
Manhasset, NY

Ashwini Sharan, MD

Thomas Jefferson University
Philadelphia, PA

Karl Sillay, MD

University of Wisconsin
Madison, WI

Konstantin Slavin, MD

University of Illinois
Oak Park, IL

Gary Steinberg, MD, PhD

Stanford University
Stanford, CA

Jon Stoessl, CM, MD, FRCPC, FAAN

University British Columbia
Vancouver, British Columbia, Canada

Volker Sturm, MD

University of Cologne
Cologne, Germany

Takaomi Taira, MD, PhD

Tokyo Women's Medical University
Shinjuku-ku, Tokyo, Japan

Jürgen Voges, MD

Otto-von-Guericke University
Magdeburg
Magdeburg, Germany

Monica Volz, RN, MS

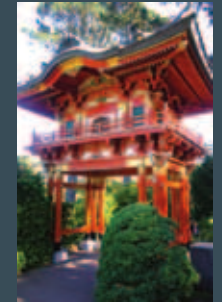
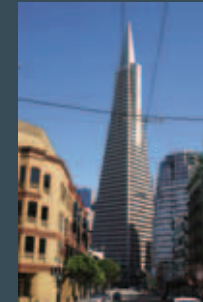
San Francisco VA Medical Center
San Francisco, CA

Anna Wang Roe, PhD

Vanderbilt University
Nashville, TN

Daniel Yoshor, MD

Baylor College of Medicine
Houston, TX



Agenda

Sunday, June 3, 2012

ASSFN Pre-Meeting Workshops:

DBS: A Practical Course for Neurologists, Nurse Practitioners, and Physician's Assistants

Workshop Director: Jill Ostrem, MD
12-5PM

Electrocorticography in Basic Neuroscience Research

Workshop Directors: Edward Chang, MD; Adam Hebb, MD; Nader Pouration, MD
1-6PM

The Spectrum of Stereotactic and Functional Neurosurgery for Residents and Fellows

Workshop Director: Robert Gross, MD
12-7PM

For more details on each of these workshops, visit assfn.org

Monday, June 4, 2012

7:00-8:00	Breakfast Session: Stem Cells in Neurosurgery	Daniel Lim, Nalin Gupta and Gary Steinberg
8:00-12:00	Plenary Sessions Welcome	Philip Starr
	SCIENCE OF COGNITION Cognitive Function: A Neurosurgical Target? President's Address	Rodolfo Llinas Ali Rezai
	Break and Poster Viewing/Exhibits	
	MOVEMENT DISORDERS I Basal Ganglia Physiology: Circuits and Relevance – DBS Open Papers	Anatol Kreitzer
12:00-1:00	Luncheon Session	
1:00-5:30	PSYCHIATRIC DISEASE I Targeting Treatment for Depression The Limbic System in 2012 Open Papers	Paul Holtzheimer Suzanne Haber
	Break and Poster Viewing/Exhibits	
	PSYCHIATRIC DISEASE II DBS and Alcoholism DBS for Alzheimers Open Papers	Jürgen Voges Volker Sturm
5:30	ADJOURN	
6:00-10:00	Opening Reception	

Tuesday, June 5, 2012

7:00-8:00	Breakfast Session: Primer on Electrophysiology	Kai Miller and Rodolfo Llinas
8:00-11:30	PARALLEL SESSIONS I & II (see opposite Page)	
11:30-12:00	Honored Guest Lecture	Rees Cosgrove
12:00-1:00	Luncheon Session	
EPILEPSY		
1:00-5:00	Plenary Session Temporal Lobe Surgery: Outcomes Review Extratemporal Surgery: Outcomes Review Open Papers Break and Poster Viewing/Exhibits	David Roberts Guy McKhann
EPILEPSY		
	Hippocampal Memory Cells: "The Bart Simpson Cell" Rate Responsive Stimulation for Epilepsy Open Papers	Itzhak Fried Robert Fisher
5:00-5:30	Business Meeting	
5:30	ADJOURN	

Wednesday, June 6, 2012

7:00-8:00	Breakfast Session: SCS and Peripheral Stimulation for Pain	Robert Levy and Konstantin Slavin
8:00-12:00	PARALLEL SESSIONS I & II (see opposite Page)	
12:00-1:00	Luncheon Session	
PAIN THERAPIES		
1:00-14:30	Plenary Session The Science of Headache Neuromodulation for Central Neuropathic Pain Open Papers Trigeminal Neuralgia: What Type Is It? Intrathecal Therapies for Pain Open papers	Peter Goadsby Tipu Aziz Kim Burchiel Takaomi Taira
4:30	AWARDS CEREMONY	
5:00	Meeting Adjourned	

PARALLEL SESSIONS

Tuesday, June 5, 2012

PARALLEL SESSION I		
NEUROIMAGING I		
8:00-11:30	Disease Progression: Are There Visible Markers?	Jon Stoessl
	What Can DTI Teach Us?	Tipu Aziz
Open Papers		
Break and Poster Viewing/Exhibits		
NEUROIMAGING		
	Functional Connectivity	Anna Wang Roe
Open Papers		
Open Papers		

PARALLEL SESSION II		
MOVEMENT DISORDERS II		
	HOT TOPIC: Gpi is Best Target for Dystonia	Joachim Krauss
	HOT TOPIC: STN is Best Target for Dystonia	Jill Ostrem
Open Papers		
Break and Poster Viewing/Exhibits		
MOVEMENT DISORDERS III		
	Key Talk: Movement Disorders III Biological Modulation of Neural Tissue (Role of Viruses and Growth Factors)	Nicholas Boulis
	Comprehensive Approach to Treatment of Tremor	Takaomi Taira
Open Papers		

Wednesday, June 6, 2012

PARALLEL SESSION I		
NEUROPROSTHESIS		
8:00-12:00	Overview of BMI/SCI	Karunesh Ganguly
	Spinal Cord Machine Interface	Vivian Mushahwar
Open Papers		
Break and Poster Viewing/Exhibits		
TECHNOLOGY TRANSFER/BUSINESS OF FUNCTIONAL NEUROSURGERY		
	The VC Point of View	Nathan Pliam
	Industry Point of View	Todd Langevin
	Translating Discoveries through NIH SBIR/STTR Mechanisms	Kip Ludwig
	Building a Financially Viable Neurosurgery Practice	Alon Mogilner
Open Papers		

PARALLEL SESSION II		
RADIOSURGERY AND NEURO-ONCOLOGY		
	Convection Delivery for Brain Tumors	Russell Lonser
	Debate: Stereotactic Frame vs. Mask for Localization?	Michael Scholder
Open Papers		
Break and Poster Viewing/Exhibits		
RADIOSURGERY AND NEURO-ONCOLOGY		
	Mesial Temporal Lesioning for Epilepsy	Nicholas Barbaro
	Update on Spinal Radiosurgery	John Adler
Open Papers		
Open Papers		
Open Papers		

General Information

Location

Location: The Fairmont San Francisco
950 Mason Street
San Francisco, CA 94108
Tel: 415-772-5175 / Fax: 415-772-5086

Hotel Reservations

Hotel reservations are separate from the meeting registration and the responsibility of the participant. A block of rooms is reserved at the rate of \$279 USD plus tax, per night. The cut-off date for this special rate is Monday, April 30, 2012, as long as rooms remain in the block. Please book your room early to obtain this rate. To book your room by telephone, please call 1-800-441-1414 (ask for group reservations for the ASSFN Meeting). This rate is available for a stay at the hotel from June 1 to June 8, 2012.

Meeting Registration/Refund Policy

The deadline for online registration is Tuesday, May 29, 2012. To expedite the registration process, please register online at www.assfn.org. After May 29, 2012, registrations will be on site only starting on June 3, 2012. For further information, please contact Martha Tobin at 216-445-3449 or at tobinm@ccf.org. Refunds or cancellations are subject to a \$50 service charge. A request for a refund must be received in writing by e-mail to tobinm@ccf.org by May 21, 2012. No refunds will be issued after May 21, but registration is transferable through June 6, 2012.

Call for Abstracts

Abstracts are being solicited for oral and poster presentations. Submission deadline is February 15, 2012. All submissions must be made through the meeting website at www.assfn.org. Awards will be given for the best clinical and basic papers in both poster and oral presentation categories.

Accreditation/Continuing Medical Education

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 the joint sponsorship of the American Association of Neurological Surgeons (AANS) and American Society for Stereotactic and Functional Neurosurgery (ASSFN). The AANS is accredited by the ACCME to provide continuing medical education for physicians.

The AANS designates this live educational activity for a maximum of 32.75 *AMA PRA Category 1 credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in the activity.



CME Credit for Posters

Physicians may claim *AMA PRA Category 2 Credit*[™] for viewing scientific posters. Physicians should self-claim credit to the AMA on their AMA PRA certificate application form.

Disclosures

Before the program, all faculty members will disclose the existence of any financial interest and/or the relationship they or their significant other have with the manufacturer(s) of any commercial product(s) to be discussed during their presentation. The AANS and ASSFN control the content and production of this CME activity and attempt to ensure the presentation of balanced, objective information.

Special Needs

If you have any special needs that require additional assistance, please contact Martha Tobin at 216-445-3449. Request must be received at least two weeks prior to the start of the meeting.

For additional information:
Ms. Martha Tobin - 216-445-3449 or tobinm@ccf.org

Meeting Registration Form

2012 ASSFN Biennial Meeting

June 3-6, 2012 Fairmont San Francisco Hotel

FEES:

On or before May 1, 2012

- U.S. \$595 ASSFN Members
- U.S. \$695 Non-member Physicians
- U.S. \$795 Join ASSFN and register
- U.S. \$325 Resident/Fellow/RN/PhD/Non-medical

May 2 – June 6, 2012

- U.S. \$695 ASSFN Members
- U.S. \$795 Non-member Physicians
- U.S. \$895 Join ASSFN and register
- U.S. \$425 Resident/Fellow/RN/PhD/Non-medical

Pre-Meeting Workshop

\$50 with meeting registration fee / \$100 for workshop only

- DBS: A Practical Course for Neurologists, Nurse Practitioners, and Physician's Assistants
- Electroconvulsive Therapy in Basic Neuroscience Research
- The Spectrum of Stereotactic and Functional Neurosurgery for Residents and Fellows

4 EASY WAYS TO REGISTER (Pre-registration closes May 29, 2012)

Online: www.assfn.org **Phone:** 800-438-3402 or 847-759-4257 **Fax:** 847-759-6957

Mail: ASSFN Registration c/o CTE, PO Box 783, Elk Grove Village, IL 60009-0783 USA

If payment does not accompany this form, your registration will not be processed.

Once you register online, please do not mail or fax in a registration form.

Fee includes meeting materials, welcome reception, continental breakfasts, breaks and lunches. Payment must be received prior to admittance to the course. Purchase orders are not accepted.

Complete the information below if registering by mail or fax:

(Please print)

Last name _____

First name _____ MI _____ Degree _____

Address _____

City _____ State _____ Zip _____

Phone number _____ Fax number _____

Specialty _____ Email address _____

I will attend the opening reception on June 4 (no charge for Meeting attendees).

I require a vegetarian meal.

Total amount enclosed or to be charged: \$ _____

Make check payable to: ASSFN

Or charge the following account: Visa MasterCard American Express

Card number _____ Expiration date _____

Signature _____ Security Code _____

(not valid without signature)





assfn
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and Functional Neurosurgery



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Fairmont San Francisco Hotel

Abstract Deadline – February 15th



American Association of Neurological Surgeons
5550 Meadowbrook Dr.
Rolling Meadows, IL 60008

