



# SNACC NEWS

## President's Address: Stella Tommasino, MD

Dear SNACC members,

Time goes by, and in the fall, the scientific meeting activity starts to become frenetic again. Anesthesia is safer than ever before. Nonetheless, much needs to be done in our field to ensure that future needs are met. Nowadays, anesthesiologists face significant challenges in clinical translational research, and they face challenges bringing the information derived from basic science to clinical science. Neuroanesthesiologists and neuro-intensivists must apply newly acquired knowledge accrued from research to their daily practice. This is the purpose for the Annual SNACC Meeting. As you know, our 34<sup>th</sup> Annual Meeting is quickly approaching and will be held in the "Windy City," Chicago, Illinois. We hope to see all of you there.

There are many reasons for attending meetings, including the opportunity to travel to new places and meet colleagues from all over the world. Both of these are worthwhile in themselves, but doctors need to keep up-to-date with the latest knowledge and techniques in order to continue to provide the best possible care for their patients. The formal lecture format is perhaps not the best way of presenting new knowledge, but it is still relevant, useful, interesting, and thought provoking. As organizers, we have to ensure the SNACC meeting program offers good value for your money. I am positive that the forthcoming SNACC Congress in Chicago will be a success. The scientific program is very exciting! As has been the custom, our annual meeting will have a pre-meeting dinner Symposium (sponsored by an unrestricted educational grant from Aspect Medical Systems and Hospira, Inc) on Thursday evening, a benefit for SNACC membership while non-members can register for a small fee. It will be a great occasion to meet old and new friends while enjoying good science and lovely food. This year the Symposium is on "Brain Function

Monitoring." We will have the privilege to listen to well-known international scientists Dr. Ira Rampil from New York, USA; Dr. Michel Struys from Ghent, Belgium; and Dr. Paul Myles from Melbourne, Australia. They will present the most up-to-date research on brain function monitoring and interpret it for the practicing anesthesiologists. The SNACC Meeting, held on Friday, October 13, 2006 at the Hilton Chicago Hotel, has been organized by Dr. Sulplicio Soriano, Vice President for



President  
C. Stella Tommasino, M.D.

Education and Scientific Affairs, together with the rest of the Board of Directors. The scientific content of the Annual Meeting is "the attraction." Dr. Soriano will introduce the Basic Science Keynote Lecture, given by Dr. Richard M. Ransohoff, who will update us on the components of inflammatory response occurring in the diseased brain. Dr. Monica S. Vavilala, Vice President for Communications, will moderate a mini-symposium on pediatric brain injury. Dr. Patrick M. Kochanek will focus on molecular and physiologic response to brain injury in pediatric patients, and Dr. P. David Adelson will discuss novel and potential treatment modalities in pediatric

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### Special points of interest:

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- Neurocritical Care Society 4th Annual Meeting, page 6

**Upcoming SNACC Meeting**  
**October 13, 2006 in Chicago IL**  
**Meeting Topics include:**  
 Neuroinflammation  
 Pediatric Head Injury  
 Neurotoxicity

## President's Address (Continued from page 1)

brain injury.

In the early afternoon, William Slikker Jr., Ph.D., will discuss an emerging hot issue: the role of anesthetics as potential "neurotoxins" in the developing brain.

Later, when it is possible that our brains need a "nap," Dr. Basil Matta, Secretary-Treasurer, will keep us fully awake moderating the Clinical Forum. The participants will describe how they handle clinical cases in a manner that allows the audience to benefit from their experience. All of us are invited to actively participate in the discussion of current dilemmas and challenges in the preoperative care of neurosurgical patients. And, as I know Basil, he will keep the session lively and stimulating.

A large quantity of original research will be presented in the poster session. I invite you to spend as much time as possible speaking with the authors in the poster area. We received many excellent abstracts on a wide range of topics. All the submitted abstracts have been blindly assessed by the subcommittee chaired by Drs. Ansgar Brambrink and Pekka Talke. Abstracts have been rated, using a common scoring system, and the abstracts with the highest scores will be presented at the meeting. Thus, the authors should be proud of the acceptance of their research. Moreover, several full papers have been submitted for the New Investigator Award. The "best of the best," will be introduced by Dr. Rona G. Giffard and will receive the 2006 John D. Michenfelder New Investigator Award.

We are grateful to all the authors who submitted scientific abstracts and manuscripts. The quality and number of them reflect both the

quality of the meeting and the increasing number of researchers in neurosciences.

At this point, it is a pleasure to inform you the *Journal of Neurosurgical Anesthesiology*, our "Blue Journal," that has moved onward and upward. Its impact factor, a way of evaluating the perceived importance of scientific journals, has increased again! Congratulations to the Editors and the Editorial Board, and mostly to all the authors who publish in the *Journal of Neurosurgical Anesthesiology* for making the Blue Journal one of the best in our field.

Before concluding, I wish to express my appreciation to our many corporate sponsors whose educational grants make many of these activities possible. Besides Aspect Medical System and Hospira, Inc., Integra Foundation provided an unrestricted grant for the travel awards and the clinical forum. I must also express our appreciation for the continued efforts of the ASA team and to Julie Davis, in particular, whose help provides the continuity and platform for our efforts. I fully expect this meeting to be one of the most successful so far. With such a diverse and well-filled scientific program, it should be!

Finally, I would like to say I am looking forward to the meeting in Chicago and wish all of you an educational and enjoyable conference. Chicago is always a popular venue, and I hope to see you there!

On behalf of the Board of Directors of SNACC,

Yours Sincerely,

C. Stella Tommasino, M.D.

## SNACC 34th Annual Meeting Program Schedule

### Thursday Dinner Symposium on Brain Function Monitoring October 12, 2006 7:30-9:00 p.m.

This dinner symposium is made possible by an unrestricted educational grant from Aspect Medical Systems and Hospira, Inc. and is a benefit of SNACC membership. Non-members may register for a small fee.

5:30 - 6:30 p.m.	Registration
6:00 - 6:30 p.m.	Reception
6:30 - 7:30 p.m.	Dinner
7:30 - 7:35 p.m.	Introduction <b>Cornelis J. Kalkman, M.D., Ph.D.</b>
7:35 - 7:50 p.m.	The Nuts and Bolts of Brain Function Monitoring <b>Ira Rampil, M.D.</b> Objectives: 1. To discuss the technology behind brain function monitors. 2. To delineate the differences between brain function monitors.
7:50 - 8:05 p.m.	Brain Function and Pharmacology: Plasma Concentrations of Anesthetics,

### Sedation Scores and EEG Variables **Michel Struys, M.D., Ph.D.**

Objectives:

1. To establish the relationship between drug levels and hypnosis/anesthesia.
2. To compare the effect of anesthetic levels to auditory evoked potentials and processed EEG.

8:05 - 8:20 p.m.

### Brain Function Monitoring and Awareness

**Paul Myles, M.D.**

Objectives:

1. To discuss the results of the multicenter trial on the processed EEG and clinical outcomes.
2. To discuss future applications/directions of the processed EEG in clinical care.

8:20 - 9:00 p.m.

Panel and Audience Discussion

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# SNACC 34th Annual Meeting Program Schedule (Continued from page 2)

## Program Schedule

Friday, October 13, 2006

7:00 - 7:45 a.m.	Breakfast, Registration, Exhibits and Poster Viewing	12:20 - 12:30 p.m.	Questions and Answers
7:55 - 8:00 a.m.	Welcome Address <b>C. Stella Tommasino, M.D.</b>	12:30-2:00 p.m.	Business Meeting Luncheon Distinguished Teaching Award Presentation
8:00 - 9:00 a.m.	Basic Science Keynote Lecture Introduction: <b>Sulpicio G. Soriano, M.D.</b>  Leukocyte Trafficking in the CNS <b>Richard M. Ransohoff, M.D.</b> Objectives: 1. To identify the components of inflammatory response. 2. To delineate the role of leukocytes and chemokines in diseases of the CNS.	2:00-3:00 p.m.	Emerging Issues in Neuroanesthesia and Critical Care Introduction: <b>Sulpicio G. Soriano, M.D.</b>  Anesthetic-induced Neurodegeneration during Development <b>William Slikker, Jr., Ph.D.</b> Objectives: 1. To discuss the developmental susceptibility to neurotoxins.  2. To delineate the role of the NCTR and FDA in investigating the role of anesthetics as a potential neurotoxin in pediatric patients.
9:00 - 9:05 a.m.	Announcement of Poster Session I: Walkaround with Moderators <b>Ansgar Brambrink, M.D., Ph.D.</b>	3:00-3:20 p.m.	2006 John D. Michenfelder New Investigator Award and Presentation Supported by Integra Foundation. <b>Moderator: Rona G. Giffard, M.D., Ph.D.</b>
9:05 - 9:30 a.m.	Coffee Break with Exhibitors	3:20 p.m.	Announcement of Poster Session II: Walkaround with Moderators <b>Pekka Talke, M.D.</b>
9:30 - 11:15 a.m.	Poster Session I: Walkaround with Moderators Sponsored by Novo Nordisk, Inc. through an unrestricted educational grant.	3:20-3:30 p.m.	Coffee Break with Exhibitors
11:15 a.m. - 12:30 p.m.	Mini-Symposium in Pediatric Traumatic Brain Injury <b>Moderator: Monica S. Vavilala, M.D.</b>	3:30 – 5:00 p.m.	Poster Session II: Walkaround with Moderators Sponsored by Novo Nordisk, Inc. through an unrestricted educational grant.
11:20 - 11:50 a.m.	Critical Mechanisms of Damage and Repair in Pediatric Traumatic Brain Injury: From Blood Pressure to Proteomics <b>Patrick M. Kochanek, M.D.</b> Objectives: 1. To identify the molecular and physiologic response to pediatric traumatic brain injury. 2. To highlight the developmental differences in pediatric and adult traumatic brain injury.	5:00 – 6:00 p.m.	Clinical Forum Supported by Integra Foundation. <b>Moderator: Basil Matta, M.B., F.R.C.A.</b>  Objectives: Participants will actively participate in the discussion of current dilemmas and challenges in the perioperative care of neurosurgical patients. They will understand the views and opinions of colleagues and experts, and distinguish between evidence-based and opinion-based interventions
11:50 a.m. - 12:20 p.m.	Contemporary and Novel Treatment of Infants and Children with Severe Traumatic Brain Injury <b>P. David Adelson, M.D.</b> Objectives: 1. To discuss current surgical and medical therapies. 2. To identify novel and potential treatment modalities in pediatric traumatic brain injury.	6:00 p.m.	Closing Remarks <b>C. Stella Tommasino, M.D.</b>

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# SNACC Neuroanesthesia Learning Track at ASA Annual Meeting

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## SNACC Neuroanesthesia Learning Track at ASA Annual Meeting

### Breakfast Panel

Monday, October 16, 2006

7:00-8:15 a.m.

Hilton Chicago

Title: Intracranial Hypertension: Significance, Measurement and Treatment

Moderator: Alex Y. Bekker, M.D., Ph.D.

New York University Medical Center, New York

Lecture Objectives

Understand etiology and pathophysiology of intracranial hypertension

- Understand implications of increased intracranial pressure
- Understand indications and techniques for ICP monitoring
- Understand strategies to treat increased ICP and intracranial volume

Cerebrospinal Fluid Dynamics and Brain Edema

Alan Artru, M.D.

University of Washington Medical School, Seattle, Washington

Diagnosis, Measurement and Consequences of Increased ICP

Martin Smith, M.D.

The National Hospital for Neurology and Neurosurgery,

University College

London, United Kingdom

Considerations for the Therapy of Acute Intracranial

Hypertension

Ansgar Brambrink, M.D., Ph.D.

Oregon Health and Science University

Portland, Oregon

### Luncheon Panel

Saturday, October 14, 2006

11:30 a.m.-1 p.m.

McCormick Place

Title: Brain Aging: Think About It Because It's Your Future

Learning Objectives

- Understand what it means for the brain to be "old"
- Know more about the major age-related cognitive morbidities of delirium and dementia
- Be informed about ways to keep your brain fit

### Refresher Courses

**Title: Perioperative Care of the Patient with Acute CNS Injury**

Saturday, October 14, 2006 9:40 - 11:40 a.m.

McCormick Place, Room E253

Moderator: Susan Black, M.D., University of Alabama School of Medicine

Birmingham, Alabama

Fluid Management in Head Injury Donald S. Prough, M.D.,  
University of Texas Medical Branch, Galveston, Texas

Head Injury Management Update Audree A. Bendo, M.D., State  
University of New York, Downstate Medical Center, Brooklyn, New  
York

Cervical Spine Michael M. Todd, M.D., University of Iowa, Iowa  
City, Iowa

**Title: Anesthetic Management of Carotid Artery Disease**

Saturday, October 14, 2006 9:40 - 10:30 a.m.

McCormick Place, Room E352

John C. Drummond, M.D., Veterans' Affairs Medical Center, San  
Diego, California

**Title: Perioperative Neuroprotection of the High Risk Surgical Patient**

Saturday, October 14, 2006 4:00 - 4:50 p.m.

McCormick Place, Room E352

James E. Cottrell, M.D., SUNY Downstate Medical Center,  
Brooklyn, New York

**Title: Intracranial Vascular Disease: Anesthetic Concerns and Management**

Sunday, October 15, 2006 10:50 - 11:40 a.m.

McCormick Place, Room E351

Adrian W. Gelb, M.B., Ch.B., University of California,  
San Francisco, California

**Title: Avoiding Complications in Neuroanesthesia**

Monday, October 16, 2006, 1:40 - 3:40 p.m.

McCormick Place, Room E351

Moderator: Rene Tempelhoff, M.D., Washington University School  
of Medicine, St. Louis, Missouri

Managing Brain Ischemia David S. Warner, M.D., Duke University  
Medical School, Durham, North Carolina

Visual Loss After Spine Surgery B. Steven Roth, M.D., University of  
Chicago, Chicago, Illinois

Complications in Interventional Neuroradiology William L. Young,  
M.D., University of California, San Francisco, California

**Title: Anesthetic Management of the Awake Craniotomy**

Monday, October 16, 2006 4:00 - 4:50 p.m.

McCormick Place, Room E353c

Barbara M. Van de Wiele, M.D., David Geffen School of Medicine at  
UCLA, Los Angeles, California

**Title: Depth of Anesthesia: Clinical Applications, Awareness and Beyond**

Tuesday, October 17, 2006 1:40 - 2:30 p.m.

McCormick Place, Room E352

Daniel J. Cole, M.D., Mayo Clinic College of Medicine, Phoenix,  
Arizona

Karen B. Domino, M.D., M.P.H., University of Washington, Seattle,  
Washington

# SNACC Neuroanesthesia Learning Track at ASA Annual Meeting (Continued from page 4)

## **Title: Monitoring the Brain and Spinal Cord**

Wednesday, October 18, 2006 10:50 - 11:40 a.m.  
McCormick Place, Room E353c  
Marc J. Bloom, M.D., Ph.D., New York University School of Medicine, New York, New York

## **Workshop on Transcranial Doppler Ultrasonography**

Monday, October 16, 2006 8:00-11:00 a.m.  
McCormick Place, Room E451 a-b

### Learning Objectives

- Understand the physiological and physical principles of transcranial Doppler (TCD) ultrasonography
- Understand the clinical applications of TCD ultrasonography in patients with neurological disease and cardiac surgery
- Obtain hands-on experience using TCD ultrasonography

Presenters: Monica S. Vavilala, M.D.; Arthur M. Lam, M.D.; Andrew J. Baker, M.D., FRCPC; Hilary P. Grocott, M.D.; Basil Matta, M.B., F.R.C.A.; Christian P. Werner, M.D.

## **Title: Stem Cells - Current Scientific, Philosophical and Political Perspectives**

Saturday, October 14, 2006 9:00-11:00 a.m.  
McCormick Place, Room N231

### Learning Objectives

- Review the biology of stem cells, with an emphasis on the location, differentiation and migration of stem cells
- Review current knowledge on the application of stem cells for the treatment of neurologic disease
- Review the current ethical, political and religious issues that surround the generation of new stem cell lines, stem cell research and their possible application in the treatment of human disease

Presenters: Piyush M. Patel, M.D.; Janet D. Rowley, M.D.; John A. Kessler, M.D.

## **Title: Mild Hypothermia and Cerebral Protection**

Sunday, October 15, 2006 9:00-11:00 a.m.  
McCormick Place, Room N229

### Learning Objectives

- Understand and apply current evidence and controversies concerning use of hypothermia for cerebral protection after cardiac arrest and during cerebral aneurysm clipping
- Understand and apply influence of hyperthermia on outcome following traumatic brain injury
- Understand and apply relative efficacy and safety of current noninvasive and invasive cooling techniques

Presenters: Arthur M. Lam, M.D.; William L. Lanier, M.D.; Michael M. Todd, M.D.; John A. Ulatowski, M.D., Ph.D.

## **Title: Brain Function Monitoring and Depth of Anesthesia**

Monday, October 16, 2006 2:00-4:00 p.m.  
McCormick Place, Room N227b

### Learning Objectives

- Understand current evidence and controversies and apply to their practice
- Understand the use of processed EEG and mid-latency auditory evoked potentials in the detection of consciousness and prevention of intraoperative awareness
- Understand the relationship of deep anesthesia detected by brain function monitoring with surgical mortality
- Understand the technical problems and limitations associated with brain function monitoring

Presenters: Karen B. Domino, M.D., M.P.H.; Paul S. Myles, M.B., B.S.; Cor J. Kalkman, M.D., Ph.D.; Eric J. Heyer, M.D., Ph.D.; Terri G. Monk, M.D.

## **Title: Brushing Up on Neuroanesthesia: A Review of Key Concepts**

Tuesday, October 17, 2006, 1:30-3:30 p.m.  
McCormick Place, Room N231

### Learning Objectives

- Apply knowledge of cerebral perfusion pressure
- Know the importance of glucose control and carbon dioxide responsiveness of the cerebral circulation more effectively to their clinical practice
- Be able to choose more effectively between available fluids, anesthetic agents and vasoactive drugs to achieve better brain relaxation and emergence from anesthesia after intracranial surgery and avoid serious complications

Presenters: Armin Schubert, M.D., M.B.A.; John C. Drummond, M.D.; James R. Munis, M.D., Ph.D.; Michelle L. Lotto, M.D. Mary K. Sturaitis, M.D.

## **Title: Neurological Disorders and Their Anesthetic Implications**

Wednesday, October 18, 2006, 9:00-11:00 a.m.  
McCormick Place, Room N229

### Learning Objectives

- Understand pathophysiology and current treatment of neurodegenerative conditions
- Discuss perioperative management of patients with movement disorders and demyelinating diseases
- Understand the rationale behind the surgical treatment of neurodegenerative disorders as well as unique anesthetic requirements for these procedures
- Describe regional anesthetic management of the patient with neurological syndromes

Presenters: Alex Y. Bekker, M.D., Ph.D.; Lorri A. Lee, M.D. Rosemary Hickey, M.D.; Terese T. Horlocker, M.D.

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## Nominations for SNACC Officers

The Nominating Committee (Drs. Cor Kalkman, Brenda Fahy and Eugene Fu) is pleased to nominate Gregory Crosby, M.D. for Secretary/Treasurer for election at the 2006 SNACC meeting.

Dr. Crosby is presently the Vice Chair for Finance & Administration in the Department of Anesthesia at the Brigham and Women's Hospital and Associate Professor of Anaesthesia at the Harvard Medical School. He is an authority on perioperative cognitive & neurologic dysfunction. His other research interests include central nervous system aging and anesthetic action on synaptic plasticity and learning. He is a recipient of NIH funding for these scientific activities. He has been a major participant in SNACC activities. Dr. Crosby hopes to expand the focus of SNACC by making it more broadly neuroscience oriented, not just for those with an interest in neurosurgical patients. His broad experience as a neuroscientist, neuroanesthesiologist, educator and administrator will be a valuable resource for the SNACC membership.

The bylaws read, "Additional nominations for officers may be made by the membership by petitions duly filed with the Secretary at least thirty (30) days prior to an election at the annual membership meeting. In order to qualify as nominating petitions, there shall be affixed thereto the signatures of twenty-five (25) members of the Society as a minimum. The list of officer candidates nominated by the Board and by the membership shall be presented to the members at the start of the annual membership meeting."

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Nominations have been solicited for one member of the Board-at-Large. Thus far, we have received two nominations for Member of the Board at Large, Drs. Martin Smith and Thomas A. Moore II. Below are statements by the nominees:

Martin Smith, M.D., Consultant in Neuroanesthesia and Neurocritical Care  
The National Hospital for Neurology and Neurosurgery, University College London Hospitals  
London, The United Kingdom

I am a full time neuroanesthetist and director of neurosurgical critical care at the National Hospital for Neurology and Neurosurgery, University College Hospitals London, UK. My clinical interests lie particularly in the management of acute brain injury. I lead a multi-disciplinary research group with a focus on the development and assessment of bedside optical techniques to monitor cerebral haemodynamics, oxygenation and cellular metabolic status non-invasively at the bedside.

In the UK I am involved in many national neurocritical care projects and chair a Neurocritical Care Stakeholder Group for the Department of Health. I have been involved in the publication of national standards and guidelines for neurocritical care and head injury manage-

ment and have just completed a review of guidelines for provision of neuroanaesthetic services for the Royal College of Anesthetists. I am the President of the Neuroanaesthesia Society of Great Britain and Ireland and a member of the editorial board of the Journal of Neurosurgical Anesthesiology.

I believe that broad representation on the SNACC Board is crucial to allow the society to deliver its remit as an international society of neuroanesthesia and critical care. I would like to see increased SNACC membership and improved attendance at the annual meeting from European neuroanesthesiologists, particularly trainees. I also believe that it is desirable for closer links to be developed between SNACC and national societies of neuroanesthesiology and, if elected as a Board Member at Large, would start this work by establishing a direct dialogue between SNACC and European Societies.

Thomas A. Moore II, M.D., Associate Professor of Anesthesia  
University of Alabama at Birmingham School of Medicine  
Birmingham, Alabama, The United States of America

Dear Colleges,

My name is Tom Moore, and I am running for the position of Director at Large for the SNACC Board of Directors. I was nominated by Dr. Maurice Albin.

I am a graduate of Jefferson Medical College, Philadelphia, PA and completed my anesthesia residency at the University of Florida, and my Neurosurgical Anesthesia Fellowship under the watchful eyes of Drs. Roy Cucchiara, Michael Mahla, Betty Grundy, and Susan Black. They are also of the University of Florida. Currently, I am an Associate Professor of Anesthesia at The University of Alabama at Birmingham School of Medicine, Birmingham, AL. I have been the Director of Neuroanesthesia for almost eleven years. I am involved in clinical research with my primary interest equally divided by spinal cord protection during thoracoabdominal aneurysm surgery and refining Total Intravenous Anesthesia (TIVA) for "awake craniotomies."

Our clinical service is extremely busy with over 2,000 neurosurgical procedures per year including nine-hundred craniotomies for tumor resection and three-hundred intra-cranial aneurysms being clipped or coiled. As such, I am very familiar with and understand the problems facing Neuroanesthesia today. If elected to this position, I shall work for our organization, to my fullest capacity, to further the absolute need for specialty training in Neuroanesthesia, our inclusion in the development of Neuroscience Centers of Excellence, and the reinforcement of our need to once again bring our Neurosurgical colleagues "back into the fold" of SNACC.

### IARS 81st Clinical & Scientific Congress

International Anesthesia Research Society

March 23-27, 2007  
Buena Vista Palace  
Orlando, Florida

[www.iars.org](http://www.iars.org)

### The Neurocritical Care Society 4th Annual Meeting

November 2-5, 2006  
Baltimore, MD

The Neurocritical Care Society was founded to improve outcomes for patients with life-threatening neurological illnesses by promoting quality patient care, professional collaboration, research, training and advocacy.

[www.neurocriticalcare.org](http://www.neurocriticalcare.org)



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# The Society for Neurosurgical Anesthesia and Critical Care

is proud to present the

## INTEGRA FOUNDATION

*Regenerating Health, Rebuilding Lives*

John D. Michenfelder, M.D.  
SNACC New Investigator Award  
in the amount of \$2,500  
presented to:

**Ines P. Koerner, M.D., Ph.D.**

and the

Integra Foundation/SNACC  
Resident Travel Award  
in the amount of \$1,000 each  
presented to:

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