

The Society for Heart-Brain Medicine  
and the  
Earl and Doris Bakken Heart-Brain Institute at  
Cleveland Clinic

Present

# 2009 Heart-Brain Summit



October 15 – 16, 2009

Sheraton Chicago Hotel & Towers | Chicago, Illinois

*This Summit immediately precedes the  
Society for Neurosciences Annual Meeting.*

Register Today

[www.ccfcmc.org/HeartBrain09](http://www.ccfcmc.org/HeartBrain09)

2009

# Heart-Brain Summit

## Summit Overview

The Earl and Doris Bakken Heart-Brain Institute at Cleveland Clinic and the Society for Heart-Brain Medicine are pleased to present the 4th Heart-Brain Summit on October 15 -16, 2009, at the Sheraton Hotel and Towers in Chicago, Illinois.

This Summit provides a unique opportunity for attendees to interact with key opinion leaders and receive updates in the field of heart-brain medicine. Health care professionals will learn of recent discoveries and insights that relate to new treatments for cardiovascular and nervous system disorders and assess their implications for clinical practice. Importantly, cardiovascular, neurologic, and psychiatric conditions will be evaluated from a context of interactive medicine with the overall goal of improving the care of patients with these conditions.

## Objectives

As a result of attending this Summit, the participant will be able to do the following:

- Describe the link between depression and coronary artery disease and recognize the adverse outcomes associated with this relationship;
- Debate the need for clinical trials to study the relationship between depression and heart disease;
- Cite the recent literature and current research in heart-brain interactions;
- Discuss the state of research and innovation in heart-brain medicine;
- Implement heart-brain medicine practices with biofeedback and device-based therapies.

## Target Audience

This Summit is intended for cardiologists, neurologists, psychiatrists, psychologists, general practitioners, basic and clinical researchers, nurses, nurse practitioners, and biomedical engineers interested in the field of heart-brain medicine.

### Summit Directors

**Marc S. Penn, MD, PhD**

Director, Earl and Doris Bakken Heart-Brain Institute  
Cleveland Clinic  
Cleveland, OH

**Mark E. Dunlap, MD**

President, Society for Heart-Brain Medicine  
MetroHealth Medical Center  
Cleveland, OH

### Summit Co-Director

**Katherine Hoercher, RN**

Director, Earl and Doris Bakken Heart-Brain Institute  
Director, Society for Heart-Brain Medicine  
Cleveland Clinic  
Cleveland, OH

## Summit Faculty

### **Frank Andrasik, PhD**

Editor-in-Chief, *Applied Psychophysiology and Biofeedback*  
Distinguished University Professor  
Department of Psychology  
Senior Research Scientist  
Florida Institute for Human and Machine Cognition  
University of West Florida  
Pensacola, FL

### **J. Thomas Bigger, Jr, MD**

Professor of Medicine and Pharmacology  
Columbia University  
New York Presbyterian Hospital  
New York, NY

### **Robert M. Carney, PhD**

Professor of Psychiatry  
Director, Behavioral Medicine Center  
Washington University School of Medicine  
St. Louis, MO

### **Paul Citron**

Adjunct Professor  
University of California, San Diego  
LaJolla, CA

### **Karina Davidson, PhD**

Herbert Irving Associate Professor of Medicine and Psychiatry  
Co-Director, Center for Behavioral Cardiovascular Health  
Columbia University Medical Center  
New York, NY

### **Robert D. Foreman, PhD**

Department of Physiology  
University of Oklahoma Health Science Center  
College of Medicine  
Oklahoma, OK

### **Kenneth E. Freedland, PhD**

Behavioral Medicine Center  
Department of Psychiatry  
Washington University School of Medicine  
St. Louis, MO

### **John R. Glowa, PhD**

Division of Extramural Research  
National Center for Complementary & Alternative Medicine  
National Institutes of Health  
Bethesda, MD

### **David Goldstein, MD, PhD**

Clinical Neurocardiology Section  
National Institute of Neurological Disorders and Stroke  
National Institutes of Health  
Bethesda, MD

### **Angelos Halaris, MD, PhD**

Professor of Psychiatry  
Assistant Dean for Translational Research  
Loyola University Stritch School of Medicine  
Maywood, IL

### **Lara Jehi, MD**

Head, Epilepsy Outcome Research Program  
Epilepsy Center  
Quality Review Officer  
Cleveland Clinic  
Cleveland, OH

### **Peter Katona, ScD**

Professor, Department of Electrical and Computer Engineering  
George Mason University  
Fairfax, VA

### **Peter G. Kaufmann, PhD, FABMR**

Deputy Branch Chief and Program Director, Clinical Applications and Prevention Branch  
Division of Prevention and Population Sciences  
National Institutes of Health  
Bethesda, MD

### **François Lespérance, MD**

Professor of Psychiatry  
Université de Montréal  
Montreal, Canada

### **Brian Litt, MD**

Associate Professor of Neurology  
Associate Professor of Bioengineering  
University of Pennsylvania  
Philadelphia, PA

### **Donald Malone, MD**

Department of Psychiatry and Psychology  
Center for Neurological Restoration  
Cleveland Clinic  
Cleveland, OH

### **Angele McGrady, PhD, MEd, LPCC**

Professor and Director of Medical Education  
Department of Psychiatry  
University of Toledo  
Toledo, OH

### **Michael McKee, PhD**

Departments of Psychiatry and Psychology and Cardiovascular Medicine  
Cleveland Clinic  
Cleveland, OH

### **Christine S. Moravec, PhD**

Department of Cardiovascular Medicine  
Director, Basic Research  
Kauffman Center for Heart Failure  
Associate Director, Bakken Heart-Brain Institute  
Cleveland Clinic  
Cleveland, OH

### **Stephen Oppenheimer, MD, PhD, FRCP, FACP, FRCPC**

Professor of Neurology  
Pennsylvania State University  
College of Medicine  
Hershey, PA

### **Carl J. Pepine, MD, MACC**

Eminent Scholar Emeritus  
Professor of Medicine, Division of Cardiovascular Medicine  
University of Florida  
College of Medicine  
Gainesville, FL

### **Leopoldo Pozuelo, MD**

Department of Psychiatry and Psychology  
Cleveland Clinic  
Cleveland, OH

### **J. Javier Provencio, MD**

Department of Neurosciences  
Cerebrovascular Center  
Bakken Heart-Brain Institute  
Cleveland Clinic  
Cleveland, OH

### **Nicholas D. Schiff, MD**

Weill Medical College of Cornell University  
New York, NY

### **Marc Silver, MD**

Clinical Professor and Chairman  
Department of Medicine  
Director, Heart Failure Institute  
Advocate Christ Medical Center  
Chicago, IL

### **M. Barry Sterman, PhD**

Professor Emeritus  
Department of Neurobiology and Bio-Behavioral Psychiatry  
UCLA Geffen School of Medicine  
Los Angeles, CA

### **Kevin J. Tracey, MD**

The Feinstein Institute for Medical Research  
North Shore-Long Island Jewish Health System  
Manhasset, NY

### **Bruce D. Trapp, PhD**

Chairman, Department of Neurosciences  
Lerner Research Institute  
Cleveland Clinic  
Cleveland, OH

### **Redford Williams, MD**

Professor of Psychiatry and Behavioral Sciences  
Professor of Medicine  
Professor of Psychology and Neuroscience  
Director, Behavioral Medicine Research Center  
Duke University Medical Center  
Durham, NC

### **James B. Young, MD**

Chairman, Endocrinology & Metabolism Institute  
Professor of Medicine and Executive Dean  
Cleveland Clinic Lerner College of Medicine  
Staff, Department of Cardiovascular Medicine  
Cleveland Clinic  
Cleveland, OH

### **Roy C. Ziegelstein, MD**

Professor of Medicine  
Executive Vice Chairman  
Department of Medicine  
Associate Program Director  
Residency Program in Internal Medicine  
Johns Hopkins Bayview Medical Center  
Baltimore, MD

### **Irving H. Zucker, PhD**

Theodore F. Hubbard Professor of Cardiovascular Research  
Chairman, Department of Cellular and Integrative Physiology  
University of Nebraska Medical Center  
President, American Physiological Society  
Omaha, NE

Agenda | Thursday, October 15, 2009

**7:00 am** Registration/Continental Breakfast/Exhibits/Posters

**8:15 am** Opening Remarks  
*Marc S. Penn, MD, PhD*

**Session I: Depression and Heart Disease**

**Moderators:** *Angelos Halaris, MD, PhD*  
*Leopoldo Pozuelo, MD*

**8:30 am** Heart Failure  
*Marc Silver, MD*

**9:50 am** AHA Science Advisory  
*J. Thomas Bigger, Jr, MD*

**9:10 am** NHLBI Recommendations  
*Karina Davidson, PhD*

**9:30 am** What the Guidelines Do Not Tell You  
*Robert M. Carney, PhD*

**9:50 am** Panel Discussion

**10:20 am** Refreshment Break/ Exhibits/Posters

**Session II: Clinical Trials in Traditional and Complementary Heart-Brain Medicine**

**Moderator:** *Stephen Oppenheimer, MD, PhD*

**10:50 am** What We Need to Learn About Depression and Heart Disease  
*Peter G. Kaufmann, PhD*

**11:10 am** Innovations in Complementary and Alternative Medicine  
*John R. Glowa, PhD*

**11:30 am** Debate: Do We Need Mortality-Morbidity Trials Aiming at Targeting the Prognostic Impact of Depression Among CAD Patients?  
**Pro:** *Redford Williams, MD*  
*Roy C. Ziegelstein, MD*  
**Con:** *James B. Young, MD*  
*Francois Lespérance, MD*

**12:10 pm** Lunch

**Introduction:** *J. Javier Provencio, MD*  
**Pioneer Lecture**  
*Nicholas D. Schiff, MD*

**Session III: Heart-Brain Medicine Publications: The Year in Review**

**Moderator:** *Mark E. Dunlap, MD*

**1:30 pm** Neuroscience  
*David Goldstein, MD, PhD*  
**Cardiovascular**  
*Carl J. Pepine, MD, MACC*  
**Behavioral Medicine**  
*Kenneth E. Freedland, PhD*  
**Biomedical Engineering**  
*Peter Katona, ScD*

**Session IV: Young Investigator Presentations and Competition**

**Moderator:** *Paul Citron*

**2:30 pm** Abstract Presentations (10 minutes each)

**3:10 pm** Refreshment Break/ Exhibits/Posters

**Session V: Novel Findings in Heart-Brain Medicine**

**Moderator:** *Robert D. Foreman, PhD*

**3:30 pm** Bruce D. Trapp, PhD

**3:50 pm** Lara Jehi, MD

**4:10 pm** Kevin J. Tracey, MD

**4:50 pm** Panel Discussion

**5:10 pm** Adjourn

## Agenda | Friday, October 16, 2009

<b>7:00 am</b> <b>Continental Breakfast/ Exhibits/Posters</b>	<b>10:15 am</b> <b>Refreshment Break/ Exhibits/Posters</b>
<b>Session VI: Biofeedback in the Treatment of Disease</b>  <b>Moderators: Christine S. Moravec, PhD, Michael McKee, PhD</b>	<b>Session VII: Device-Based Therapies</b>  <b>Moderators: Paul Citron, Mark E. Dunlap, MD</b>
<b>8:00 am</b> <b>Session Introduction &amp; Goals</b> <i>Christine S. Moravec, PhD</i>	<b>10:30 am</b> <b>Baroreflex Activation Therapy</b> <i>Irving H. Zucker, PhD</i>
<b>8:10 am</b> <b>Biofeedback in Heart Failure</b> <i>Michael McKee, PhD</i>	<b>10:50 am</b> <b>DBS for Depression</b> <i>Donald Malone, MD</i>
<b>8:35 am</b> <b>Biofeedback in Epilepsy</b> <i>M. Barry Serman, PhD</i>	<b>11:10 am</b> <b>Devices for Seizure Disorders</b> <i>Brian Litt, MD</i>
<b>9:00 am</b> <b>Biofeedback in Hypertension and Diabetes</b> <i>Angele McGrady, PhD</i>	<b>11:30 am</b> <b>Wrap-up</b> <i>Marc S. Penn, MD, PhD Mark E. Dunlap, MD</i>
<b>9:25 am</b> <b>Biofeedback in Headache</b> <i>Frank Andrasik, PhD</i>	<b>12:00 pm</b> <b>Adjourn</b>
<b>9:50 am</b> <b>Wrap-Up &amp; Final Points</b> <i>Michael McKee, PhD</i>	
<b>10:00 am</b> <b>Presentation of Young Investigator Award</b> <i>Paul Citron</i>	

## Abstract Submission

**Deadline: September 1, 2009**

The Heart-Brain Summit is soliciting abstracts of original investigation for consideration in the Poster Session. We will accept abstracts that have previously been presented at other national or international meetings. Accepted abstracts will be printed in the syllabus.

To submit an abstract go to [www.cfcme.org/HeartBrain09](http://www.cfcme.org/HeartBrain09)

## Young Investigator Award

We will again offer the Bakken Heart-Brain Institute Young Investigator Research Award. The competition is open to graduate students, postdoctoral fellows, residents, fellows, and junior faculty within two years of their first appointment. Only original work, not previously presented elsewhere will be considered.

Please note your eligibility on your abstract submission. The four finalists will be invited to present their submission during a moderated session at the Summit.

## Pioneer Award and Lecture

The Pioneer Award is given in recognition of contributions fundamental to the development of heart-brain medicine. The award recognizes senior healthcare professionals who have had a major impact on the understanding of heart-brain pathophysiology, the consequences of heart-brain interactions for the health of humankind, and the innovative treatment of heart-brain disorders.

# General Information

## Location

Sheraton Chicago Hotel & Towers  
301 E. North Water Street | Chicago, IL 60611

**Phone:** 1-800-233-4100

**Fax:** 312-464-9140

A block of rooms has been reserved at the Sheraton Chicago Hotel & Towers until **September 18, 2009**. To make your reservations, contact the Hotel at 1-800-233-4100 or online at [www.starwoodmeeting.com/Book/HeartBrainSummit2](http://www.starwoodmeeting.com/Book/HeartBrainSummit2). Please identify yourself as being with the **Heart-Brain Summit** for a special rate of \$299 single and \$319 double plus tax.

**To extend your hotel stay for the Society for Neurosciences Annual Meeting, you are required to go through SFN housing reservations at [www.sfn.org/am2009](http://www.sfn.org/am2009).**

## Information

For further information about this summit, contact UNITECH Communications® at:

**Local:** 216-448-0770

**Toll Free:** 800-238-6750

**Web Address:** [www.cfcme.org/heartbrain09](http://www.cfcme.org/heartbrain09)

For questions about registering online, call 216-448-0777.

For emergency phone calls during the summit, call 312-464-1000 and ask for the Heart-Brain Summit Registration Desk.

## Registration and Cancellation

Pre-registrations are accepted by fax or online until 4:00 pm ET **October 12, 2009**. To register after this date you must do so on-site. In case of cancellation, a full refund will be made if canceled by **October 1, 2009**. After October 1, 2009, a \$50 cancellation fee will be deducted from your refund. Written notification of your cancellation is required to process your refund.

**NO REFUNDS WILL BE ISSUED AFTER NOVEMBER 15, 2009.**

## Parking

Valet parking is available at the Sheraton Chicago Hotel & Towers for \$48 (12-24 hrs). As an alternative, there are several self-parking garages located near the hotel. Ogden Plaza Self-Parking (connected to the hotel via an enclosed walkway) has a maximum 24 hr. rate of \$34.

## Faculty Disclosure

The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

## Accreditation

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the Cleveland Clinic Foundation Center for Continuing Education and the Society for Heart-Brain Medicine. The Cleveland Clinic Foundation Center for Continuing Education is accredited by the ACCME to provide continuing medical education for physicians.

The Cleveland Clinic Foundation Center for Continuing Education designates this educational activity for a maximum of 11.75 *AMA PRA Category 1 Credits*™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Participants claiming CME credit from this activity may submit the credit hours to the American Osteopathic Association Council on Continuing Medical Education for Category 2 credit.

The Ohio Board of Nursing will accept at face value the number of contact hours awarded for an educational activity that has been approved for CE by a nationally accredited system of CE approval. Therefore, the 11.75 *AMA PRA Category 1 Credits*™ will be accepted for nursing credits.

## Americans With Disabilities Act

The Cleveland Clinic Foundation Center for Continuing Education fully intends to comply with the legal requirements of the Americans with Disabilities Act. If you need assistance, please notify UNITECH Communications® at 216-448-0770 at least two weeks prior to the activity.

# REGISTRATION FORM

## 2009 Heart-Brain Summit

Course # 011609 Office Use Only	
Fee _____	Date _____
MOP _____	CXL/Fee _____

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**FEES:** Fee includes: syllabus, continental breakfasts, lunch & refreshment breaks.  
Payment must be received prior to admittance to the summit. Purchase orders are not accepted.

<input type="checkbox"/> Physician/Scientist	\$395.00
<input type="checkbox"/> Resident*/Fellow*/Nurse/Other	\$150.00
<input type="checkbox"/> Corporate	\$425.00
<input type="checkbox"/> Physician/Scientist – Heart-Brain Society Member	\$198.00
<input type="checkbox"/> Resident*/Fellow*/Nurse/Other – Heart-Brain Society Member	\$75.00
<input type="checkbox"/> Corporate – Heart-Brain Society Member	\$213.00

\* Letter from Program Director must be received in our office prior to the Summit in order to receive this fee.

**REGISTER ONLINE:** [www.ccfcm.org/heartbrain09](http://www.ccfcm.org/heartbrain09)  
ONCE YOU REGISTER ONLINE, PLEASE DO NOT MAIL OR FAX IN A REGISTRATION FORM.

**PLEASE PRINT:**

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**Total amount enclosed to be charged:** \$ \_\_\_\_\_  I require a vegetarian lunch

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