

## GENERAL INFORMATION

### Hotel Accommodations

The 21st Annual Frontiers of Cardiology will be held at the Iron Horse Resort Retreat, Winter Park's only ski-in/ski-out resort. A limited number of rooms have been reserved at the following group rates:

Studio Sport Suite . . . . .	455 sq. ft. . . . .	(3 max) . . . . .	\$114
1 Bedroom/1Bath Suite . . . . .	626 sq. ft. . . . .	(4 max) . . . . .	\$179
2 Bedroom/2Bath Suite . . . . .	850 sq. ft. . . . .	(6 max) . . . . .	\$249
2 Bedroom/3Bath Suite . . . . .	1535 sq. ft. . . . .	(6 max) . . . . .	\$319

Be sure and identify that you are with Frontiers of Cardiology meeting in order to receive the group rates. All unreserved rooms in our group block will be released on December 2, 2004.

Reservations: 800-621-8190 ext. #1  
Or 970-726-8851 ext. #1

### Airline Transportation

Post Oak Group at Navigant International is the official travel agency for this meeting. Call Post Oak Group at Navigant International and mention Frontiers of Cardiology meeting to receive the lowest available fares with the greatest flexibility.

Post Oak Travel's number is 713-965-9700 or e-mail Mary Dishongh at mary.dishongh@navigant.com.

### Ground Transportation

Transportation to and from Denver International Airport and the Iron Horse Resort is available either by rental car at the airport or van service provided by Home James (this is the only service available in and out of Winter Park). The travel time between the Iron Horse and the new Denver International Airport is approximately 2 hours. Home James requires reservations and full payment to be made in advance. Call Home James at 800-451-4844 for information on rates and schedules.

### Dress

Dress for the meeting is casual.

### Meals

Continental Breakfast each morning and Award's Banquet meal are included in the registration fee.

## FACULTY

**Allan Anderson, M.D., F.A.C.C., F.A.H.A.**  
Cardiologist, HeartPlace  
Medical Director of Cardiovascular Services  
HCA North Texas Division, Dallas

**Steven Bailey, M.D., F.A.C.C.**  
Professor of Medicine  
Chief of Invasive Cardiology Lab  
University of Texas Health Science Center, San Antonio

**Christie Ballantyne, M.D., F.A.C.C.**  
Professor of Medicine  
Director of the Atherosclerosis Lab  
Baylor College of Medicine, Houston

**Earl F. Beard, M.D., F.A.C.C., F.S.C.A.I.**  
Chairman Emeritus  
Department of Cardiology  
Kelsey-Seybold Clinic, Houston  
Clinical Professor of Medicine  
Baylor College of Medicine

**Kim K. Bircher, M.S., Pharm. D., B.C.P.S.**  
Clinical Assistant Professor  
University of Houston College of Pharmacy  
Clinical Pharmacist  
Kelsey-Seybold Clinic, Houston

**James Caffrey, Ph.D.**  
Professor  
Department of Integrative Medicine  
University of North Texas Health Science Center, Fort Worth

**Robert Donnelly, D.D.S., M.A.G.D.**  
Private Practice, San Marcos

**Kimberly Farringer**  
Biology Major  
Texas Lutheran University, Seguin

**George M. Grant, D.D.S., Ph.D.**  
Austin Oral Maxillofacial Surgery, Austin

**Kristi Henriksen**  
Biology Major  
Texas Lutheran University, Seguin

**Marty Knott, M.S.**  
Graduate Student, Department of Integrative Physiology  
University of North Texas Health Science Center, Fort Worth

**Harold W. Kohli, III, Ph.D., F.A.C.S.M.**  
Physical Activity and Health Branch  
Division of Nutrition and Physical Activity  
Centers for Disease Control and Prevention, Atlanta

**Ralph Lazzara, M.D., F.A.C.C.**  
Professor of Medicine  
Director, Cardiac Arrhythmia Research Institute  
University of Oklahoma Health Science Center, Oklahoma City

**Robert Mallet, Ph.D.**  
Professor of Integrative Physiology  
University of North Texas Health Science Center, Fort Worth

**Mehran Massumi**  
B.A. Biology  
University of Texas at Austin

**Ali Mortazavi, M.D., F.A.C.C., F.S.C.A.I.**  
Chief, Department of Cardiology  
Kelsey-Seybold Clinic, Houston  
Clinical Assistant Professor of Medicine  
Baylor College of Medicine

**Tinker D. Murray, Ph.D., F.A.C.S.M.**  
Professor of Health, Physical Education and Recreation  
Texas State University, San Marcos

**Steven Neish, M.D., F.A.C.C.**  
Director of Pediatric Cardiology Fellowship Program  
Texas Children's Hospital, Houston

**Betty Protas, Ph.D., F.A.C.S.M.**  
Professor of Allied Health  
Director, Physical Therapy Programs  
University of Texas Medical Branch, Galveston

**Abdi Rasekh, M.D.**  
Cardiologist  
Texas Heart Institute, Houston

**Peter B. Raven, Ph.D., F.A.C.S.M.**  
Professor  
Department of Integrative Physiology  
University of North Texas Health Science Center, Fort Worth

**Michael Smith, Ph.D., F.A.C.S.M.**  
Professor and Chair of Integrative Physiology  
University of North Texas Health Science Center, Fort Worth

**William G. Squires Jr., Ph.D., F.A.C.S.M.**  
Professor of Biology and Kinesiology  
Texas Lutheran University, Seguin  
Adjunct, Department of Medicine  
Baylor College of Medicine, Houston

**Alexander N. Stadnyk, M.D.**  
Clinical Associate Professor, Department of Medicine  
Baylor College of Medicine, Houston

**Neil Strickman, M.D.**  
Cardiologist  
St. Luke's Episcopal Hospital, Houston

**Steven Van Camp, M.D.**  
Clinical Professor of Medicine  
University of California Medical School, Irvine, CA

**Michael Wilson, M.D., F.A.C.C.**  
Chief of Cardiology  
Millard Fillmore Hospital, Buffalo, NY

**David Wittenburg, Ph.D.**  
Assistant Professor of Exercise Science  
University of New Mexico, Albuquerque

**Al Yuvarti, D.O.**  
Professor and Chief of Thoracic Surgery  
University of North Texas Health Science Center, Fort Worth

# 21st Annual FRONTIERS OF CARDIOLOGY

Iron Horse Resort Retreat  
Winter Park, Colorado  
January 5-8, 2005

JOINTLY SPONSORED BY ST. LUKE'S EPISCOPAL HOSPITAL AND THE  
KELSEY RESEARCH FOUNDATION IN COOPERATION WITH THE TEXAS  
CHAPTER OF THE AMERICAN COLLEGE OF CARDIOLOGY AND  
THE BETA BETA BETA CHAPTER OF TEXAS LUTHERAN UNIVERSITY

### Program Committee

Christie Ballantyne, M.D.  
Earl Beard, M.D.  
Ali Mortazavi, M.D.  
Tinker Murray, Ph.D.  
Michael Smith, Ph.D.  
William G. Squires Jr., Ph.D.

# FRONTIERS OF CARDIOLOGY 2005

P R O G R A M

## WEDNESDAY, JANUARY 5TH

5:30-6:30 PM Registration/Opening Reception

## THURSDAY, JANUARY 6TH

**Topic: Cardiovascular Physiology**  
**Moderator: William G. Squires Jr., Ph.D.**

7:30-8:00 AM Interaction of Baroreflex Control of Blood Pressure and Dynamic Cerebral Autoregulation During Dynamic Exercise  
Peter Raven, Ph.D.

8:00-8:30 AM Update in Hyperbaric Medicine: The Cardiac Patient  
Duane Dietz, M.D.

8:30-9:00 AM Cardiovascular Complication to Exercise: The New Bethesda Conference Guidelines  
Steven Van Camp, M.D.

**Topic: Current Issues in Medicine**  
**Moderator: Earl Beard, M.D.**

3:00-4:00 PM Congestive Heart Failure: Healthcare's "Elephant In the Room"  
Ethics Lecture Allan Anderson, M.D.

4:00-4:30 PM Outpatient Oral Surgery in the Cardiac Patient  
George Grant, D.D.S., Ph.D. and Robert Donnelly, D.D.S., M.A.G.D.

4:30-5:00 PM Readmission and Discharge Outcomes in Stroke Patients  
Betty Protas, Ph.D.

**Student Research Section**  
**Moderators: William G. Squires Jr., Ph.D. and Ali Mortazavi, M.D.**

5:00-5:15 PM Limb Salvage Rates After Endovascular Intervention of Patients with Peripheral Vascular Disease  
Kim Farringer and Ali Mortazavi, M.D.

5:15-5:30 PM Angiogenic bFGF and VEGF in Aged Nude Mice  
Kristi Henriksen and Steven Bailey, M.D.

5:30-5:45 PM Comparison of Lipid Management of Cardiology Patients Enrolled in a Lipid Clinic and Patients Not Enrolled in a Lipid Clinic  
Mehran Massumi; Ali Mortazavi, M.D.; and Kim Bircher, Pharm.D.

## FRIDAY, JANUARY 7TH

**Topic: Interventional Cardiology**  
**Moderator: Ali Mortazavi, M.D.**

7:00-7:45 AM Review of Peripheral Arterial Disease: Transcatheter Revascularization  
Ali Mortazavi, M.D.

7:45-8:30 AM Update on Interventional Cardiology  
Steven Bailey, M.D.

8:30-9:15 AM Critical Limb Ischemia: New Endovascular Techniques  
Neil Strickman, M.D.

9:15-10:00 AM Atrial Fibrillation and New Clinical Trials of Device Therapy  
Abdi Rasekh, M.D.

**Topic: Electrophysiology/Cardiology**  
**Moderator: Michael Smith Ph.D.**

4:15-5:00 PM Dysrhythmias Associated with Hypoxia  
Michael Smith, Ph.D.

5:00-5:45 PM Catheter Ablation Therapy Update  
Ralph Lazzara, M.D.

5:45-6:30 PM Patient Safety and Graduate Medical Education  
Steven Neish, M.D.

6:30-7:15 PM Pulmonary Aspects of Heart Disease  
Alexander N. Stadnyk, M.D.

## SATURDAY, JANUARY 8TH

**Topic: General Cardiology**  
**Moderator: Allan Anderson, M.D.**

7:00-7:30 AM Substrate Enhanced Cardioplegia Reduces Myocardial Oxidative Stress During Cardioplegic Arrest  
Marty Knott, M.S.

7:30-8:00 AM Cardioprotective Mechanisms of Intermittent Hypoxia  
Robert Mallet, Ph.D.

8:00-8:30 AM Potential Protective Benefits of Past Bypass Leukocyte Filtration  
Al Yuvarti, D.O.

8:30-9:00 AM Cardiac Opiates and Preconditioning: Status and New Findings  
James Caffrey, Ph.D.

**Topic: Prevention/Rehabilitation**  
**Moderator: Tinker Murray, Ph.D.**

4:00-4:30 PM Update on Lipid Lowering Drugs  
Christie Ballantyne, M.D.

4:30-5:00 PM Update on Physical Activity and Public Health: Recommendations from the Center for Disease Control  
Harold W. Kohl III, Ph.D.

5:00-5:30 PM What does BMI Tell Us About Children  
David Wittenburg, Ph.D.

5:30-6:00 PM Pediatric Obesity and Type II Diabetes  
Tinker Murray, Ph.D.

**Awards Banquet**

7:30-10:00 PM Olympic Silver: The Marathon  
Steven Van Camp, M.D.

Earl Beard Lecture:

Coronary Heart Disease: Dwight Eisenhower to Bill Clinton  
Michael Wilson, M.D.

## PROGRAM NEEDS, GOALS, AND OBJECTIVES

The opportunity for the practicing physician or health care practitioner to stay abreast of the vast number of new topics presented in the cardiovascular related fields each year is severely limited. In the era of managed health care where prevention is of utmost concern and more new information must be assimilated with less time available for attendance at CME events, it is most important to present educational activities in a concise manner relative to the physician's clinical practices. This conference will provide the physician, scientist, and allied health professional a unique overview of total patient care and recent developments in cardiovascular pathology/pathophysiology, molecular biology, cardiovascular diagnostics, interventional transcatheter versus surgical cardiology, medical updates, surgical treatments, general and pediatric cardiology.

The goal of this program is to continue to provide a forum for new developments in cardiology and to promote interaction between research and clinical cardiologists.

- At the conclusion of the conference, the participant should be able to:
  - Review the basic mechanism of the cardiovascular disease process;
  - Describe the molecular basis of various cardiovascular disorders;
  - Assess the state of the art alternative intravascular techniques;
  - Explain how to evaluate the patient following acute intervention for treatment of myocardial infarction as related to future risks and long term treatment;
  - Describe the utilization of catheter and surgical interventions for arrhythmias and indications for their use;
  - Discuss the nutritional aspects of cardiovascular disease;
  - Understand the mechanisms of diabetes and obesity.

## TARGET AUDIENCE

The Frontiers of Cardiology conference is designed for health care professionals involved in the treatment of patients with cardiovascular disease. In particular, physicians, nurses, and allied health care professionals in the following specialties will benefit from attending: cardiology, cardiovascular surgery, pediatric cardiology, and internal medicine with a sub-specialty in cardiology.

In addition, the symposium is designed for scientists in cardiovascular and sports medicine related fields.

## ACCREDITATION

This activity has been planned and implemented in accordance with the Essentials and Standards of the Texas Medical Association (TMA) through the joint sponsorship of St. Luke's Episcopal Hospital and the Kelsey Research Foundation. St. Luke's Episcopal Hospital is accredited by the TMA to provide continuing medical education for physicians.

St. Luke's Episcopal Hospital designates this continuing medical education activity for a maximum of fifteen (15) category 1 credits toward the AMA Physicians Recognition Award. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

St. Luke's Episcopal Hospital designates this educational activity for up to 1.0 hour ethics/professional responsibility credit, as required for physicians by the Texas State Board of Medical Examiners.

Attendance at the "Congestive Heart Failure: Healthcare's 'Elephant In the Room'" by Allan Anderson, M.D. will satisfy the ethics requirements for physicians.

Nurses' Credits: Provides up to 17.7 contact hours. Kelsey-Seybold Clinic is an approved provider of continuing nursing education by the Texas Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation. This activity meets Type 1 criteria for mandatory continuing education requirements toward relicensure as established by the Board of Nurse Examiners of the State of Texas.

Participants will be required to sign in at each morning and afternoon session throughout the symposium. A Certificate of Attendance form will be completed and signed by each participant to record his or her actual hours of participation.

## FACULTY DISCLOSURE

It is the policy of St. Luke's Episcopal Hospital that the sponsor and faculty disclose the existence of financial or other relationship with companies whose products or services may be discussed in the activity. The program faculty will disclose whether one or more of the following commercial relationships exist that could relate to the topic(s) presented or to the commercial grantors: honorarium/expenses, grants, a consultant role, speaker's bureau member, stock ownership, or other special relationships. Specific disclosure will be made in the conference materials.

## PROGRAM EVALUATION

Participants will be requested to complete an evaluation questionnaire following each morning and afternoon session, as well as an evaluation for the overall activity.

## EDUCATIONAL METHOD

The conference material is presented in a lecture format with question and answer sessions following the presentation(s). The speakers will be using audio-visual support to convey the stated objectives.