

Annual Meeting of the International Academy of Cardiovascular Sciences: North American Section

September 10-12, 2015
Omaha, Nebraska, USA

*Third Forum to Promote Young Investigators and
Centers of Excellence in Cardiovascular Research*

Creighton
UNIVERSITY
School of Medicine



Creighton
UNIVERSITY

Holland Foundation
Omaha, Nebraska



SCIENTIFIC PROGRAM

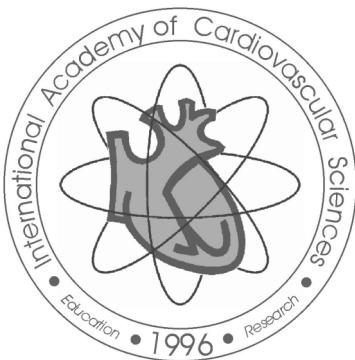


Table of Contents

IACS Leadership.....	3
IACS North American Section Leadership.....	4
Local Organizing Committee.....	5
Program Agenda.....	6
Travel Awardees.....	16
Special Thanks.....	16
Hotel & Shuttle Information.....	17
Our Sponsors.....	18

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**Annual Meeting of the
IACS—North American Section:**

***Third Forum to Promote Young Investigators and
Centers of Excellence in Cardiovascular Research***



**The Mike & Josie Harper Center at Creighton University
Omaha, Nebraska, USA ✎ September 10-12, 2015**

Local Organizing Committee

Chairs:

Devendra K. Agrawal
Irving H. Zucker

Committee Members:

Jerrod E. Lawrence
Dane M. Marvin
Paras Kumar Mishra
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Christopher J. Pelham
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www.cvforum.org

Program Agenda

Thursday, September 10

1:00 PM - 7:00 PM Registration (*Conference Registration – entrance of the Harper Center, Creighton University*)

Session 1.1: Inaugural Session

Location: Creighton University Harper Center Auditorium

Chair: *DK Agrawal, PhD*

6:00 PM - 6:40 PM Welcome Remarks:
 * Blessings by **Fr. Jim Clifton**, Associate Vice Provost Health Science Mission and Identity, Creighton University
 * **Grant Pierce**, President, IACS North American Section
 * **Irving H. Zucker**, Chair of the Annual Meeting of IACS—North American Section, Omaha, Nebraska
 * **Edward O'Connor**, Provost, Creighton University
6:40 - 7:00 PM Keynote Address: **Naranjan S. Dhalla**: Molecular basis for the beneficial effects of CO₂-water bath therapy in peripheral artery disease
7:00 - 7:10 PM **DK Agrawal**: Brief overview of Friday and Saturday's program

Dinner & Entertainment

Location: Harper Center Ballroom

7:15 PM Dinner & Cultural Program (Program Organizer: Keerthi Ranjith)

Friday, September 11, 2015

Session 2.1: Cerebrovascular Diseases and Stroke

Room: 3047

Chairs: *Grant Pierce, PhD and Pierre B. Fayad, MD*

8:00 AM - 8:25 AM **Frank Faraci**: Large and small cerebrovascular disease during hypertension
8:25 AM - 8:50 AM **William G. Mayhan**: The exercising brain in health and disease
8:50 AM - 9:15 AM **Grant Pierce**: A new dietary approach for the control of hypertension
9:15 AM - 9:40 AM **Pierre B. Fayad**: The management evolution of carotid atherosclerotic disease

Program Agenda

Session 2.2: Inflammation, Cytokines and Cardiovascular Disease

Room: 3029

Chairs: *Jason MacTaggart, MD and Pawan K. Singal, PhD*

8:00 AM - 8:25 AM

Pawan K. Singal: Cytokine interactions and innate signaling in heart failure

8:25 AM - 8:50 AM

Xiao-Feng Yang: Caspase-1, an innate immune sensor in endothelial cells

8:50 AM - 9:15 AM

Robert B. Felder: Inflammation as a source of sympathetic excitation in heart failure

9:15 AM - 9:40 AM

Carlos Ferrario: Intracrine ang II function originates from non-canonical pathways in the human heart

Session 2.3: Cardiac and Vascular Regeneration

Room: 3028

Chairs: *Roberto Bolli, MD and Rakesh Kukreja, PhD*

8:00 AM - 8:25 AM

Roberto Bolli: Cell therapy for ischemic cardiomyopathy

8:25 AM - 8:50 AM

CC Kartha: Growth factor effects on cardiac stem cells

8:50 AM - 9:15 AM

Buddhadeb Dawn: An appraisal of bone marrow cell therapy: Meta-analysis and more

9:15 AM - 9:40 AM

Bojan Vrtovec: Stem cell therapy for dilated cardiomyopathy

Session 2.4: The Grant Pierce Young Investigator Competition in Cardiovascular Sciences

Room: 3027

Chairs & Judges: *Morris Karmazyn, PhD and Susan Howlett, PhD*

Judges: *Dinender Singla, PhD, Michael Czubryt, PhD and Ghassan Bkaily, PhD*

8:00 AM - 8:20 AM

Izuagie A. Ikhapoh: divergent effects of pro-inflammatory cytokines on VEGF-A-induced differentiation of mesenchymal stem cells into endothelial cells

8:20 AM - 8:40 AM

Anastasia Familtseva: Mitochondrial-dependent apoptosis in arterial remodeling: Link to hypertension

8:40 AM - 9:00 AM

Bryan K. Becker: Overexpression of Kv4.3 in the RVLM of rats with heart failure attenuates sympathetic tone

9:00 AM - 9:20 AM

Wafa Lefnaier: The protective role of sarcolemmal membrane associated protein isoform 3 (SLMAP3) in cardiac remodeling Post-MI

9:20 AM - 9:40 AM

Sudhakar Veeranki: Impact of hydrogen sulfide on the epigenetics of diabetic cardiomyopathy

9:40 AM - 10:00 AM

Coffee Break, 3rd Floor—West Side Atrium

Program Agenda

Session 2.5: Cellular and Molecular Aspects of Cardiovascular Diseases

Room: 3047

Chairs: *Frank Faraci, PhD and Carlos Ferrario, MD*

10:00 AM - 10:25 AM	Ren-Ke Li: Cardiac rejuvenation: A new frontier in the management of heart failure
10:25 AM - 10:50 AM	Dinender Singla: Increases in M2 macrophage differentiation reduces inflammation and plaque formation in Apo E ^{-/-} mice
10:50 AM - 11:15 AM	Michael Czubryt: Scleraxis: a novel transcriptional regulator of cardiac fibroblast phenotype and extracellular matrix production
11:15 AM - 11:40 AM	Robert Kalina: Get published: Techniques for structuring scientific papers to be accepted

Session 2.6: Diabetic Heart Failure

Room: 3029

Chairs: *William G. Mayhan, PhD and Keshore Bidasee, PhD*

10:00 AM - 10:25 AM	Aruni Bhatnagar: Role of carnosine in myocardial ischemia-reperfusion injury
10:25 AM - 10:50 AM	Ming-Hui Zou: Autophagy defects in diabetic hearts
10:50 AM - 11:15 AM	Jawahar L. Mehta: Myocardial infarction alters renal function and morphology
11:15 AM - 11:40 AM	Ramesh K. Goyal: Relevance of pharmacogenomics in the management of heart failure

Session 2.7: Neuromodulation for the Treatment of Cardiovascular Disease

Room: 3028

Chairs: *Irving Zucker, PhD and Mohan K. Raizada, PhD*

10:00 AM - 10:25 AM	Jeffrey Ardell: Autonomic regulation therapy in heart failure
10:25 AM - 10:50 AM	Hanjun Wang: Cardiac sympathetic afferent denervation: A new potential therapy for heart failure
10:50 AM - 11:15 AM	Thomas Lohmeier: Device-based neuromodulation for hypertension therapy: Mechanisms and therapeutic implications
11:15 AM - 11:40 AM	Harold Schultz: Sympatho-excitatory reflexes in cardiovascular disease: The efficacy in restraining the carotid body

Session 2.8: Dr. Bruce McManus Young Investigator Presentations

Room: 3027

Chairs: *Bruce McManus, MD, PhD and Paras K. Mishra, PhD*

10:00 AM - 10:20 AM	Taylor A. Johnson: PTEN inhibitor reduces cardiac remodeling in doxorubicin-induced cardiomyopathy
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Program Agenda

10:20 AM - 10:40 AM

10:40 AM - 11:00 AM

11:00 AM - 11:20 AM

11:20 AM - 11:40 AM

Shyam S. Nandi: MiR-133a regulates cardiac autophagy in diabetes

Martin Houde: Improved survival and cardiac function following myocardial infarction in mouse mast cell protease-4 deficient mice

Adam J. Case: Increased mitochondrial superoxide in the brain, but not periphery, sensitizes mice to angiotensin II-mediated hypertension

Taha Rehmani: The cardiac specific isoform of the tail-anchored membrane protein SLMAP1 enhances GLUT4 levels through a mechanism involving the SNARE complex and size expansion of early endosomes

11:45 AM - 1:15 PM

Lunch, Harper Center Ballroom

11:45 AM - 1:15 PM

IACS-North America Executive Committee Business meeting
(President: Grant Pierce, PhD), Room 3023

Session 2.9: Eric Olson Young Faculty Competition (Biomedical Sciences)

Room: 3029

Chairs & Judges: C. C. Kartha, MD and Dr. Sampath Parthasarathy, PhD

Judges: Madhu Khullar, PhD; Gary D. Lopaschuk, PhD; and Ravichandran Ramasamy, PhD

1:30 PM - 1:55 PM

Neeru M. Sharma: Upregulation of angiotensinogen (AGT) in the paraventricular nucleus (PVN) of the hypothalamus during chronic heart failure (CHF): Role of miR-133a

1:55 PM - 2:20 PM

Yumei Feng: Epigenetic modification of brain (Pro)renin receptor contributes to the development of DOCA-salt hypertension via epithelial sodium channel

2:20 PM - 2:45 PM

Lie Gao: Angiotensin type 2 receptor knockout mice exhibit blunted arterial baroreflex sensitivity and over-activated sympathetic tone

2:45 PM - 3:10 PM

Saraswathi Viswanathan: Ablation of COX-2 attenuates adipose inflammation but impairs metabolic homeostasis in obesity

Session 2.10: Exercise Training in Cardiovascular Disease

Room: 3027

Chairs: Kaushik Patel, PhD and Paramjit Tappia, PhD

1:30 PM - 1:55 PM

Steven L. Britton: A rat model system of low and high susceptibility to disease risks

1:55 PM - 2:20 PM

Suresh Tyagi: Exercise and exosome in cardiovascular health and disease

2:20 PM - 2:45 PM

Hong Zheng: Central Neural Control of Sympathetic Nerve Activity in Heart Failure Following Exercise Training

2:45 PM - 3:10 PM

Bunny Pozehl: Clinical outcomes and the challenge of adherence to exercise in heart failure

Program Agenda

Session 2.11: Epigenetics and Cardiovascular Disease

Room: 3047

Chairs: Aruni Bhatnagar, PhD and Stephen Schaffer, PhD

1:30 PM - 1:55 PM

Mahesh Gupta: SIRT3 deacetylase is a guardian of mitochondria, which protects the heart from descending to failure

1:55 PM - 2:20 PM

Balwant Tuana: Modeling mechanisms of dilated cardiomyopathy

2:20 PM - 2:45 PM

Rakesh Kukreja: PDE5 inhibition in protection of doxorubicin-induced cardiomyopathy

2:45 PM - 3:10 PM

Paras K. Mishra: Novel cardioprotective role of miR-133a

Session 2.12: Highlighting Sex Differences in Cardiovascular Diseases

Room: 3028

Chairs: Dennis McNamara, MD, PhD and Hideo Kumamoto, DVM

1:30 PM - 1:55 PM

Bohuslav Ostadal: Sex differences in cardiac tolerance to oxygen deprivation: Developmental aspects

1:55 PM - 2:20 PM

Kathryn Sandberg: Sex-specific immune modulation of blood pressure

2:20 PM - 2:45 PM

Carin Wittnich: Role of sex in newborn heart stress responses

2:45 PM - 3:10 PM

Justin Grobe: Arginine vasopressin in preeclampsia

Combined Poster Session

Room: Harper Center Ballroom and Ballroom Atrium

All posters will be judged in a single session. Fruit, cheese, crackers and beverages will be available during this session.

3:15 PM - 5:15 PM

Morris Karmazyn Poster Award Competition (Translational Medicine):

Judges: Ming-Hui Zou, MD, PhD; Harold Schultz, PhD; Robert B. Felder, MD; Suresh Tyagi, PhD; Merry L. Lindsey, PhD; Michael Kutryk, MD, PhD

Margaret Moffat Poster Award Competition (Biomedical Sciences):

Judges: Gary D. Lopaschuk, PhD; Kathryn Sandberg, PhD; Belma Turan, PhD; Nilanjana Maulik, PhD; Xuemin Xiu, PhD; Keshore Bidasee, PhD

5:30 PM

Free Time for General Attendees

Program Agenda

A Tribute to Professor Edwin E. Daniel to Celebrate his 90th Year

Location: The Durham Museum, 801 South 10th Street, Omaha, NE

Attendees: *Invited speakers, chairs, judges, guests of honor, faculty and their spouses*

Chair: *Devendra K. Agrawal, Ph.D.*

5:30 PM - 7:00 PM Drinks and Mixer

6:00 PM - 6:15 PM Remarks by **Devendra K. Agrawal** and **Naranjan S. Dhalla**

6:15 PM - 6:35 PM **Edwin E. Daniel:** My Professional Journey

7:00 PM - 9:00 PM Special Dinner (served “trackside” at the Durham Museum)

Saturday, September 12

Session 3.1: Dennis B. McNamara Symposium: Pathophysiology and Treatment of Peripheral Vascular Disease

Room: 3048

Chairs: *Bohuslav Ostadal, MD, PhD and Timothy Baxter, MD*

8:00 AM - 8:25 AM **Timothy Baxter:** The role of IL-1beta in abdominal aortic aneurysm

8:25 AM - 8:50 AM **Jason MacTaggart:** Biomechanics of femoropopliteal artery disease

8:50 AM - 9:15 AM **Harry Hasebe:** The effectiveness of an artificial carbon dioxide foot bath for medical therapy

9:15 AM - 9:40 AM **Kazu Suzuki:** Skin perfusion pressure and wound closure time in lower extremity wounds

Session 3.2: Diastolic Heart Failure with Preserved Ejection Fraction: Mechanism & Therapy

Room: 3047

Chairs: *Buddhadeb Dawn, MD and Fabiola Sozzi, MD, PhD*

8:00 AM - 8:25 AM **Merry L. Lindsey:** MMP-9-mediated mechanisms of diastolic dysfunction

8:25 AM - 8:50 AM **Belma Turan:** Depressed sarcoplasmic reticulum activity underlies Ca²⁺ dyshomeostasis in a rat model of metabolic syndrome: Role of phosphodiesterases

8:50 AM - 9:15 AM **Antoinette Oliveira Blackman:** Evaluation of QT dispersion in asymptomatic patients with grade I left ventricular diastolic dysfunction

9:15 AM - 9:40 AM **Michael J. Moulton:** Utilizing mathematical modeling and echocardiography speckle tracking to understand function of the left ventricle in HFP EF

Program Agenda

Session 3.3: Kern Wildenthal Young Faculty Competition (Translational Medicine)

Room: 3029

Chairs & Judges: Otoni M. Gomes, MD, PhD and William G. Mayhan, PhD

Judges: Xiao-Feng Yang, MD, PhD ; Mark Dunlap, MD; and Thomas Lohmeier, PhD

8:00 AM - 8:25 AM

Surya Ramachandran: Secretory cyclophilin A as a potential serological marker of macrovascular disease in type 2 diabetes mellitus

8:25 AM - 8:50 AM

Sanjiv Dhingra: Targeting host immune response to enhance efficacy of allogeneic mesenchymal stem cells for cardiac regeneration

8:50 AM - 9:15 AM

Xianwei Wang: LOX-1 deletion attenuates brain injury following chronic myocardial infarction

9:15 AM - 9:40 AM

Noah J. Marcus: Exercise training attenuates chemoreflex-mediated reductions of renal blood flow in heart failure

Session 3.4: New Concepts in Arrhythmogenesis

Room: 3027

Chairs: Kalyanam Shivkumar, MD, PhD and Krassimira Hristova, MD, PhD

8:00 AM - 8:25 AM

Peter P. Nanasi: New aspects of regulation of cardiac action potential duration

8:25 AM - 8:50 AM

István Baczkó: LQT5 transgenic rabbits: A new model exhibiting increased cardiac repolarization instability and arrhythmia susceptibility

8:50 AM - 9:15 AM

András Varró: Antiarrhythmic and cardioprotective electrophysiologic effect of desethylamiodarone

9:15 AM - 9:40 AM

Vadim Fedorov: Fibrosis: a structural modulator of sinoatrial physiology and arrhythmias in the human heart

9:40 AM - 10:00 AM

Coffee Break, 3rd Floor—West Side Atrium

Session 3.5: George Jackowski Symposium- Prevention of Heart Disease

Room: 3027

Chairs: Paul Farand, MD and Balwant Tuana, PhD

10:00 AM - 10:25 AM

Madhu Khullar: Candidate gene targeting reveals the functional role of myocardial in dilated cardiomyopathy

10:25 AM - 10:50 AM

Mohan K. Raizada: Involvement of neuroinflammation in resistant hypertension

10:50 AM - 11:15 AM

Enrique Castañeda Saldaña: Update on infective endocarditis

11:15 AM - 11:40 AM

Bruce McManus: Molecular signatures as tools for management of organ failure

Program Agenda

Session 3.6: Novel Therapies Targeting Cardiac Metabolism

Room: 3047

Chairs: *John H. McNeill, PhD and Mahesh Gupta, PhD*

10:00 AM - 10:25 AM	Gary D. Lopaschuk: Cardiac energy metabolic perturbations in heart failure associated with obesity
10:25 AM - 10:50 AM	Nilanjana Maulik: Key players in myocardial angiogenesis: Potential and challenges
10:50 AM - 11:15 AM	Fabio Recchia: Energy substrate metabolism in normal and failing hearts
11:15 AM - 11:40 AM	Otoni Gomes: Myocardial cell membrane biokinetics and stress ionic diskinesy disease control for cardiovascular mortality prevention

Session 3.7: Non-Pharmacological Therapies for Heart Failure: Novel Devices

Room: 3048

Chairs: *Michel Nguyen, MD and Jerome Granato, MD*

10:00 AM - 10:25 AM	Brian Lowes: Device diversity in heart failure
10:25 AM - 10:50 AM	Mark Dunlap: Vagal stimulation in HF: Ready for prime time?
10:50 AM - 11:15 AM	Kalyanam Shivkumar: Cardiac neurotransmission: Scientific rationale for treating ventricular tachycardia and fibrillation
11:15 AM - 11:40 AM	Michael Kutryk: Regenerative cell therapy for heart failure

Session 3.8: The James Willerson Young Investigator Competition in Cardiovascular Research

Room: 3027

Chairs & Judges: *Pierre B. Fayad, MD and András Varró, MD, PhD*

Judges: *Rajinder Bhullar, PhD; Michael Del Core, MD; and Ming-Hui Zou, MD, PhD*

10:00 AM - 10:20 AM	Monica M. Santisteban: Role of bone marrow and neuroinflammation in hypertension
10:20 AM - 10:40 AM	Brian J. Hansen: Atrial fibrillation driven by micro-anatomic intramural re-entry revealed by simultaneous sub-epicardial and sub-endocardial optical mapping in explanted human hearts
10:40 AM - 11:00 AM	Vikrant Rai: TLR-4 dependent collagen loss in human carotid plaque smooth muscle cells
11:00 AM - 11:20 AM	Jeffery C. Powers: microRNA-21 up-regulation in the failing right ventricular failure
11:20 AM - 11:40 AM	Rui Wang: Combination treatment with tadalafil and hydroxychloroquine improves circulating insulin, IGF-1 and reduces blood triglycerides with concomitant increased expression of cardiac SIRT3 protein in type 2 diabetic mice

Program Agenda

11:45 AM - 1:15 PM

11:45 AM - 1:15 PM

Lunch, Harper Center Ballroom

IACS Official Cardiology Journal, Current Research Cardiology, Editorial Board Meeting: Robert Kalina

Session 3.9: Nutrition and Cardiovascular Disease Prevention

Room: 3029

Chairs: Ramesh K. Goyal, PhD & Steven Britton, PhD

1:30 PM - 1:55 PM

Mei-Zhen Cui: Lysophosphatidic acid, growth factors and matrixellular proteins in vascular smooth muscle cell migration

1:55 PM - 2:20 PM

Harpal Buttar: Potential role of dietary interventions in the prevention of cardiovascular diseases

2:20 PM - 2:45 PM

Nisar A. Shaikh: Beneficial role of omega-3 fatty acids in CVD: Why are there controversies in clinical trials' outcome?

2:45 PM - 3:10 PM

Stephen Schaffer: Mechanism underlying approval of taurine in treatment of congestive heart failure

Session 3.10: Instability of Atherosclerotic Plaque: Underlying Mechanisms and Biomarkers

Room: 3048

Chairs: Michael J Moulton, MD and Peter P. Nanasi, MD, PhD

1:30 PM - 1:55 PM

Pedro D'Orléans-Juste: Endothelins in cardiovascular diseases: established and emerging targets

1:55 PM - 2:20 PM

Ravichandran Ramasamy: Novel roles for formin *Drf1* in myocardial stress

2:20 PM - 2:45 PM

Sampath Parthasarathy: Cationic peptides in the prevention of inflammation-implications in atherosclerosis

2:45 PM - 3:10 PM

Michael Del Core: Epicardial adipose tissue in coronary artery disease patients

Session 3.11: Echocardiography and Other Novel Modalities

Room: 3047

Chairs: Professor Otoni M. Gomes and Ren-Ke Li, MD, PhD

1:30 PM - 1:55 PM

Venkata Mahesh Alla: 3-D echocardiography: Utility in current clinical practice

1:55 PM - 2:20 PM

Fabiola Sozzi: Coronary CT scan: diagnostic and prognostic value

2:20 PM - 2:45 PM

Krassimira Hristova: The role of echocardiography to diagnose the early changes after chemotherapy in breast cancer diseases

2:45 PM - 3:10 PM

Shelby Kutty: Non-invasive imaging for the assessment of right ventricular structure and performance

Program Agenda

Session 3.12: Dr. Jawahar (Jay) Mehta Young Faculty Orations

Room: 3027

Chairs: *Jawahar Lal Mehta, MD, PhD and Christopher Pelham, PhD*

1:30 PM - 1:55 PM

Johnson Rajasingh: A new method for measuring the functional cardiomyocytes contractility and drugs evaluation

1:55 PM - 2:20 PM

Edward Thorp: Efferocytosis heals the heart: New inflammatory targets for myocardial repair

2:20 PM - 2:45 PM

Chad E. Grueter: Regulation of cardiac gene expression by MED1

2:45 PM - 3:10 PM

Songcang Chen: Vitamin D regulates glucose metabolism through targeting FOXO1 gene in skeletal muscle

3:20 PM - 4:00 PM

Coffee Break, 3rd Floor—West Side Atrium

4:00 PM - 5:30 PM

Shuttle Rides to the Joslyn Art Museum (5-minute shuttle ride)

IACS Awards Banquet and Closing Reception

Location: Joslyn Art Museum, 2200 Dodge Street, Omaha, NE

5:30 PM - 6:30 PM

Cocktails and Hors d'Oeuvres

6:30 PM - 6:40 PM

Blessings by **Rev. Daniel S. Hendrickson**, President, Creighton University

6:40 PM - 7:00 PM

Announcement and Presentation of IACS Awards

Chairs: *Dr. Grant Pierce, Dr. Gary Lopaschuk, and Dr. András Varró:*

* Grant Pierce Young Investigator Award (Graduate or Medical Student)

* James Willerson Young Investigator Award (Postdoctoral Fellow, Clinical Resident or Clinical Fellow)

* Eric Olson Young Faculty Award (Biomedical Sciences)

* Kern Wildenthal Young Faculty Award (Translational Medicine)

Chairs: *Dr. Irving Zucker, Dr. Otoni M. Gomes, and Dr. DK Agrawal:*

* Margaret Moffat Poster Award (Biomedical Sciences)

* Morris Karmazyn Poster Award (Translational Medicine)

Chairs: *Dr. Naranjan S. Dhalla, Dr. Bohuslav Ostadal, and Fr. Daniel S. Hendrickson:*

* Howard Morgan and Norman Alpert Awards (to recognize distinguished scientists)

* IACS Lifetime Achievement Award

* IACS Distinguished Leadership Award

Program Agenda

7:00 PM - 7:05 PM

Vote of Thanks by **Devendra K. Agrawal**

7:05 PM - 7:10 PM

Introduction of 2016 Annual meeting of the IACS-North America Section by **Ghassan Bkaily**

7:10 PM - 7:50 PM

Cultural Program (Organizer: Ms. Keerthi Ranjith)

8:00 PM - 10:00 PM

Banquet Dinner

Travel Awardees

The following students and trainees received travel awards in the amount of \$500 provided by IACS North American Section President Dr. Grant Pierce

Stephanie Caligiuri (Manitoba - Canada)

Ramatoulaye Keita (Sherbrooke - Canada)

Binil Raj SS (Rajiv Gandhi - India)

Natasha Fillmore (Alberta - Canada)

John Clemmer (Mississippi - USA)

Anupam Mittal (Jawahar Lal Nehru - India)

Pankaj Chaturvedi (Louisville - USA)

Jong Chian Ju (Western Ontario - Canada)

Norbert Nagy (Szeged - Hungary)

E.L. Couture (Sherbrooke - Canada)

Special Thanks

Cindy Boehmer, Creighton University

Fr. Jim Clifton, Creighton University

Dr. Robert "Bo" Dunlay, Creighton University

Christopher Elliott, Holiday Inn Downtown Omaha

Rachel Gibson, Joslyn Art Museum

Dr. Jeffrey Gold, University of Nebraska Medical Center

Fr. Daniel Hendrickson, Creighton University

Eva Little, St. Boniface Hospital Research Centre

Michelle Meisinger, Durham Museum

Cindy Norton, University of Nebraska Medical Center

Dr. Ed O'Connor, Creighton University

Nicolas Orsi, Creighton University

Creighton University Center for Clinical & Translational Science Students & Fellows

Keerthi Ranjith & the Cultural Program Participants

...and all others who have contributed to making this meeting a success!

Hotel Information

The Holiday Inn Downtown Omaha

1420 Cuming Street, Omaha, Nebraska 68102

Ph: (402) 341-0124

All King-size Beds / Free Wifi / Restaurant / 24hr Fitness Center / Pool

- Free shuttle service for all IACS meeting delegates (call number above for shuttle from airport to hotel)
- Free breakfast vouchers for all IACS invited speakers, chairs, judges, and guests of honor (Breakfast will be available starting at 6:00 a.m. each morning)

The Fairfield Inn & Suites Downtown Omaha

1501 Nicholas Street, Omaha, Nebraska 68102

Ph: (402) 280-1516

Free Breakfast / Free Wifi / Pool / Fitness Center

Shuttle Information

Free shuttles from Holiday Inn Downtown Omaha will be available to transport guests to and from the meeting site at Harper Center (Creighton University campus) to the hotel as well as from the hotel to the Omaha airport. The hotel phone number is **402-341-0124**.

The Holiday Inn shuttles will also transport guests from the hotel to evening events such as the welcome reception at Harper Center, the Friday evening dinner celebration for Ed Daniel at Durham Museum, and the Awards Banquet at Joslyn Art Museum on Saturday evening.

Creighton University will provide additional shuttles during peak times.

The schedule is as follows:

Thursday, September 10th	9:00 – 11:00 p.m.	Harper Center to Holiday Inn
Friday, September 11th	7:30 – 8:00 a.m.	Holiday Inn to Harper Center
	5:00 – 6:30 p.m.	Holiday Inn to Durham Museum
	8:45 – 9:30 p.m.	Durham Museum to Hotel
Saturday, September 12th	7:30 – 8:00 a.m.	Holiday Inn to Harper Center
	4:30 – 5:30 p.m.	Harper Center to Joslyn Art Museum
	9:00 – 10:30 p.m.	Joslyn Art Museum to Holiday Inn

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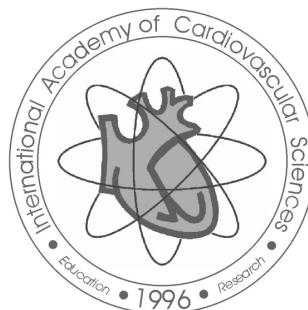
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International Academy of Cardiovascular Sciences

www.heartacademy.org

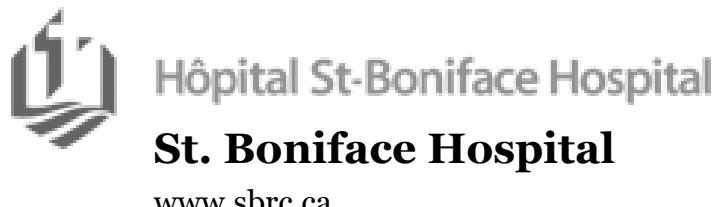


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