ISAN/AAS 2011: Buzios, Rio de Janeiro, Brazil, 2011

PRELIMINARY SCIENTIFIC PROGRAM
(www.eventus.com.br/isan2011)

Main Meeting: September 12-16, 2011

PLENARY LECTURES:

Geoffrey Burnstock - Autonomic Neuroscience Centre, University College Medical School, London – UK
"Purinergic Neurotransmission: Pathophysiology and Therapeutic Potential"

David Robertson - Director Clinical Research Center Vanderbilt Institute for Clinical and Translational Research Medical Center North Vanderbilt University Nashville – USA
"The Spectrum of Baroreflex Failure"

Eduardo M. Krieger - Division of Hypertension- Heart Institute (InCor) University of São Paulo – Brazil
"Baroreceptors and the Cardiovascular Autonomic Control: 50 years from Basic Research to Clinical Application"

Wilfrid Janig - Physiologisches Institut Christian-Albrechts-Universität Kiel, Germany
"The Autonomic Nervous System in Body Protection and Pain"

Karen J. Berkley - Program in Neuroscience/Dept. of Psychology Florida State University, Tallahassee, USA
"Neural Mechanisms of Chronic Pain: Lessons from Translational Studies of Endometriosis"

David S. Goldstein - Clinical Neurocardiology Section NINDS, NIH, Bethesda, USA
"Biomarkers, Mechanisms, and Treatment of Autonomic Failure in Parkinson Disease and Related Disorders"

WORKSHOP: EVALUATING AUTONOMIC METHODS & STANDARDS
Monday, September 12, 2011 (Afternoon)

SYMPOSIA:

PATHOPHYSIOLOGY OF OBSTRUCTIVE SLEEP APNEA: FROM ANIMAL MODELS TO CONSEQUENCES TO HUMAN HEALTH
Chairs: Mark W. Chapleau, The University of Iowa, Iowa City, IA, USA and Sérgio L. Cravo, Federal University of São Paulo (UNIFESP), São Paulo, SP, Brazil

AUTONOMIC NEURO-IMMUNOMODULATION: THE INTERPLAY BETWEEN TO INTEGRATIVE SYSTEMS: NERVOUS AND IMMUNE SYSTEMS
Chair: Valdo José Dias da Silva, Federal University of Triângulo Mineiro, Uberaba, Brazil.

AFFERENT BAROREFLEX DYSFUNCTION, FROM MOLECULES TO MAN
Chair: Horacio Kaufmann, New York University School of Medicine, USA.

FUNCTIONAL IMAGING OF THE BRAINSTEM AND CORTICAL SITES OF AUTONOMIC CONTROL IN HUMAN SUBJECTS
Chair: Vaughan Macefield, School of Medicine, University of Western, Sydney, Australia.

GLIA-NEURON INTERACTIONS IN AUTONOMIC NEUROSCIENCE
Chair: Benedito H. Machado, University of São Paulo, Ribeirão Preto, Brazil.

AUTONOMIC CONTROL OF BODY TEMPERATURE
Chair: Shaun Morrison, Oregon Health & Science University, USA.

AUTONOMIC DYSFUNCTION IN OBESITY: CONSEQUENCES AND MECHANISMS
Chair: Kamal Rahmouni, University of Iowa, USA.
NEURO-GLIAL-VASCULAR MECHANISMS IN THE CNS CONTROL OF AUTONOMIC FUNCTION
Chairs: Javier E. Stern, University of Georgia, USA, and Julian F.R. Paton, University of Bristol, UK.

THE BATTLE BETWEEN BRAIN DISEASE AND HEART HEALTH
Chair: William T. Talman, University of Iowa, USA.

THE OSMOPRESSOR RESPONSE – A NEWLY DISCOVERED PATHWAY FOR CARDIOVASCULAR REGULATION
Chairs: Satish R. Raj, Vanderbilt University, USA, and Jens Jordan, Institut fur Klinische Pharmakologie, Germany.

NEURAL DISORDERS OF THE GASTROINTESTINAL TRACT: MECHANISMS AND PROSPECTS FOR TREATMENT
Chairs: Patricia Castelucci, University of São Paulo, Brazil, and David Linden, USA.

DRUG AND EXERCISE THERAPY FOR POSTURAL ORTHOSTATIC TACHYCARDIA SYNDROME (POTS)
Chairs: Michael J. Joyner, Mayo Clinic, USA, and David Robertson, Vanderbilt University, USA.

AUTONOMIC CONTROL AND ITS RELATIONSHIP WITH BIOLOGICAL CYCLES
Chairs: Daniel Vianna, University of New South Wales, Australia, and Rodrigo Cunha Alvim de Menezes, University Federal of Ouro Preto, Brazil.

THE CARDIAC VAGAL AXIS - RECENT DEVELOPMENTS
Chairs: Jack Cheng, University of Central Florida, USA, and Robin McAllen, Howard Florey institute, Australia.

OXIDATIVE STRESS AND AUTONOMIC FUNCTION
Chairs: Valdir A. Braga, University Federal of Paraíba, Brazil, and Eduardo Colombari, University Federal of São Paulo, Brazil.

ROLE OF THE VAGUS NERVE IN PAIN AND INFLAMMATION
Chair: David Grundy, University of Sheffield, UK.

CARDIAC SYMPATHETIC NEUROPLASTICITY: IMPLICATIONS FOR HEALTH AND DISEASE
Chairs: Peter G. Smith, University of Kansas Medical Center, USA, and Beth Habecker, Oregon Health and Science University, USA.

BLADDER TO BRAIN; AUTONOMIC BASIS OF URINARY DYSFUNCTION
Chairs: Marcus Drake, University of Bristol, UK, and Tony Pickering, University of Bristol, UK.

SYMPOSIUM/DEBATE:
ION CHANNELS & POSTJUNCTIONAL RECEPTORS REGULATING SYMPATHETIC NEUROTRANSMISSION
Chairs: Mark S. Shapiro, University of Texas HSC at San Antonio, USA, and J.C. (Ian) McGrath, University of Glasgow, UK.

SATELLITE MEETINGS: September 9-11 and 17-18, 2011

A – BÚZIOS, September 17-18, 2011
FRONTIERS IN THERAPEUTIC TARGETING OF THE AUTONOMIC NERVOUS SYSTEM IN AUTONOMIC DISORDERS AND CARDIOVASCULAR DISEASE
Chair: Mark W. Chapleau, University of Iowa, USA.

B – SÃO PAULO, September 9-11, 2011
CARDIORESPIRATORY CONTROL IN HEALTH AND DISEASE
Chairs: Thiago Moreira, University of São Paulo, Brazil, Ruy R. Campos, University Federal of São Paulo, Brazil, and Sérgio Cravo, University Federal of São Paulo, Brazil.

C – ARARQUARA, TBD
BODY-FLUID HOMEOSTASIS: TRANSDUCTION AND INTEGRATION
Chair: Laurival de Luca Jr., São Paulo State University, Brazil.

D – OURO PRETO/BELO HORIZONTE, September 9-10, 2011
BRAIN ORIGINS OF CARDIOVASCULAR DISORDERS
Chairs: Deoclécio Chianca Jr., University Federal of Ouro Preto, Brazil, and Marco Antonio P. Fontes, University Federal of Minas Gerais, Brazil.