

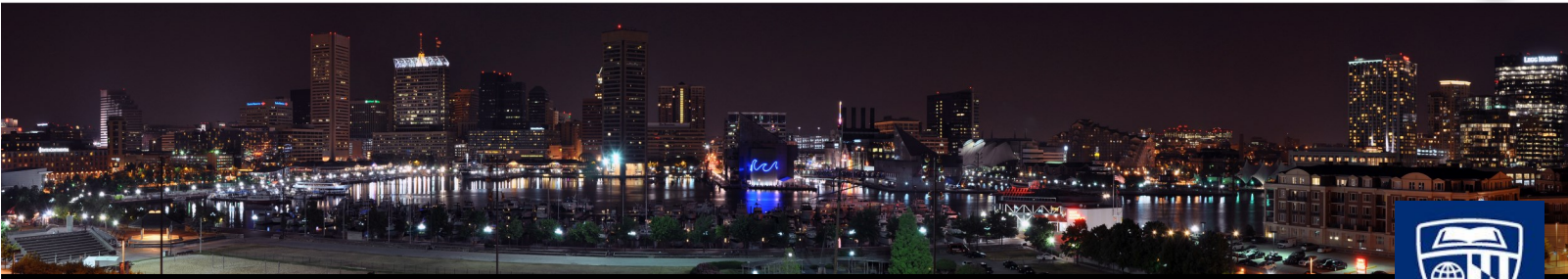
INTERNATIONAL SOCIETY OF ARTIERAL CHEMORECEPTION

PRELIMINARY PROGRAM

<http://carotidbody.org>



XXth Annual Meeting



ISAC 2017 at Johns Hopkins promises to bring together researchers from Ph.D. students to Professors with a common interest in chemoreceptors and O₂ sensing. The field now embraces a variety of clinical-related issues including hypertension, OSA and heart failure and the translational connection between laboratory science and clinical application will be a common feature of all sessions.

Keynote Speaker:

Gregg Semenza, M.D., Ph.D.

Lasker Awardee, 2016: For his work on the discovery and characterization of Hypoxic Inducible Factor



**Scientific Sessions will be held Monday, Tuesday & Thursday
Wednesday - Group tour of Washington DC**

July 23-27, 2017

Scientific Sessions

- ◆ Molecular Responses to Hypoxia: New Perspectives
Chair: Mark Evans, Ph.D., University of Edinburgh, UK
- ◆ Molecular Responses to Hypercapnia: New Directions
Chair: Gurnesh Kumar, Ph.D., University of Chicago, USA
- ◆ Hypoxia Sensing in the Carotid Body: New Directions
Chair: Keith Buckler, Ph.D., Oxford University, UK
- ◆ (Mal)adaptive Responses to Hypoxia: New Perspectives
Chair: Ana Obeso, University of Valladolid, Spain
- ◆ Role of the Chemoreception in Disease: New Perspectives
Chair: Jessica Kåhlin, M.D., Karolinska University, Stockholm, Sweden
- ◆ Role of Chemoreception in Disease: New Directions
Chair: Silvia Conde, Ph.D., University of Lisbon, Portugal
- ◆ Role of Chemoreception in Disease: Early Development
Chair: Aida Bairam, M.D., Université Laval, Quebec, Canada
- ◆ Role of Chemoreception in Disease: Aging
Chair: Harold Schultz, Ph.D., University of Nebraska Medical Center
- ◆ Central Chemoreception: Carbon Dioxide
Chair: Emilia Monteiro, M.D., Ph.D., University of Lisbon, Portugal
- ◆ Central Chemoreception: Oxygen
Chair: Chris Peers, Ph.D., University of Leeds, UK

Speakers & Topics

- ◆ Cormac Taylor, University College, Dublin
Hypercapnia Interaction with HIF Adaptive Responses to Hypoxia
- ◆ Christopher Wyatt, Wright State University
Oxygen Sensing: A Rattlebag of Molecular Mechanisms
- ◆ Jay Nanduri, University of Chicago
Epigenetics Regulation of Carotid Body Oxygen Sensing: Physiological Consequences from Fetus to Adult
- ◆ Rodrigo Iturriaga, Pontificia Universidad Católica de Chile
Translating Carotid Body Function in Clinical Medicine
- ◆ Michael Joyner, Mayo Clinic
What Else Do the Carotid Bodies Do?
- ◆ Andrea Pozionato, University of Padova, Italy
Peripheral Chemoreceptors and Sudden Infant Death Syndrome
- ◆ Camillo Di Giulio, University of Chieti, Italy
The Carotid Body with Aging and Inflammation
- ◆ Patrice Guyenet, University of Virginia
Homeostatic Regulation of Arterial PCO₂: Neural Circuits and Molecular Mechanisms of CO₂ Sensing
- ◆ Nino Ramirez, Seattle Children's Hospital
Oxygen Sensing in the Pre-Botzinger Complex: Relevance to Disordered Breathing During Development

For additional information, please send an email to: isacmtgbaltimore@gmail.com