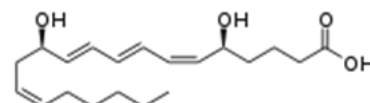
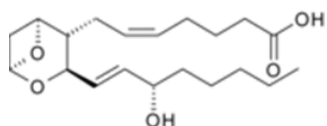
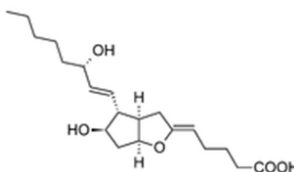
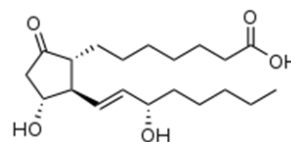
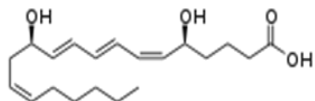
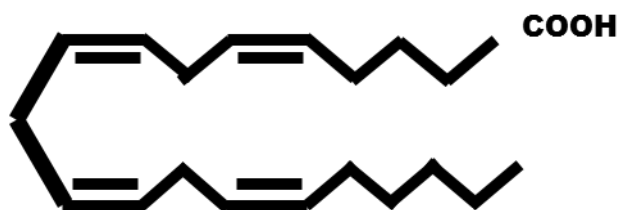


WELCOME TO
THE 16TH INTERNATIONAL
WINTER EICOSANOID CONFERENCE

March 13-16, 2016

Hyatt Regency Baltimore on the Inner Harbor

300 Light Street
Baltimore, MD 21202



The 16th International Winter Eicosanoid Conference
March 13-16, 2016
Hyatt Regency Baltimore on the Inner Harbor

ORAL PRESENTATIONS

MONDAY/TUESDAY: CONSTELLATION E/F (2nd Floor)
WEDNESDAY: MARYLAND SUITE (2nd Floor)

Registration: Sunday, March 13th 5:00 pm - 8:00 pm Harborview Room
 Mon & Tues, March 14th-15th 7:15 am - 5:00 pm Constellation Foyer
 Wednesday, March 16th 8:00 am - 12:30 pm Maryland Suite Foyer

Exhibitors: Sunday – Wednesday - Atrium, 2nd Floor

Continental Breakfast available 7:00 am-8:30 am: Monday/Tuesday - Constellation Foyer
 Wednesday - Harborview

POSTER SESSIONS

MARYLAND SUITE (2nd Floor)

Poster Session I
Sunday, March 13th
6:00 pm – 7:30 pm

Poster Session II
Monday, March 14th
6:00 pm – 7:30 pm

Poster Session III
Tuesday, March 15th
4:45 pm – 6:15 pm



TRAINEE ROUNDTABLES

PRATT/CALVERT/ CAMDEN/LOMBARD (3rd Floor)

Monday, March 14th
7:15-8:15 am

Tuesday, March 15th
7:15-8:15 am



CONFERENCE DINNER AND AWARDS

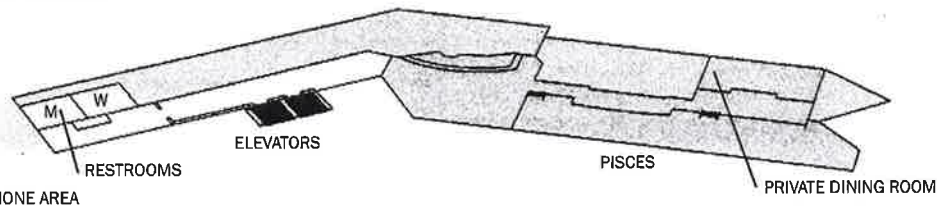
Tuesday, March 15th
8:00 pm

McCormick & Schmick's
Pier 5 Inner Harbor
711 Eastern Avenue

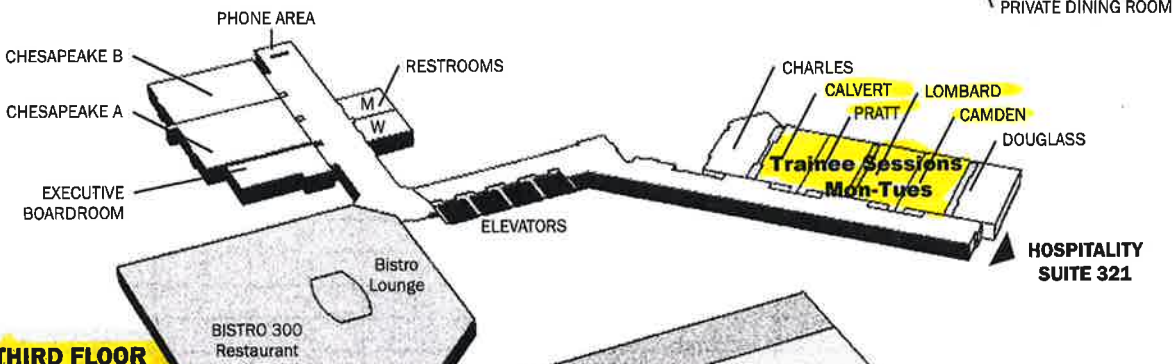
Hyatt Regency Baltimore

On The Inner Harbor

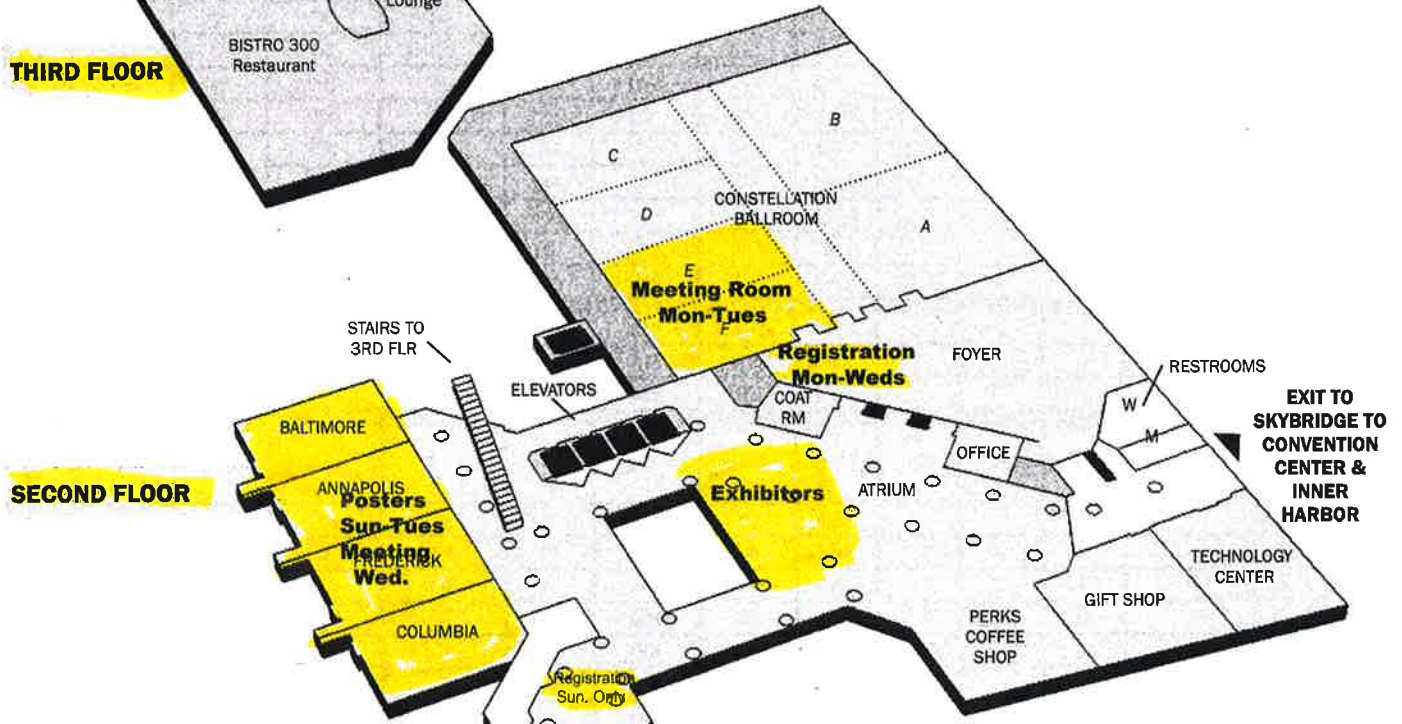
15TH FLOOR



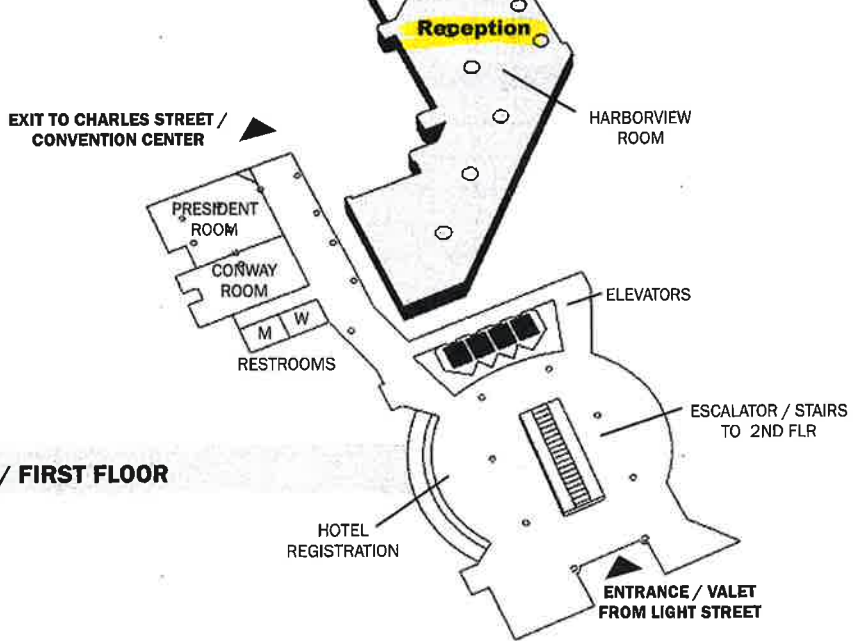
THIRD FLOOR



SECOND FLOOR



GROUND / FIRST FLOOR



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<p><u>SYMPOSIUM ORGANIZERS</u></p> <table border="0" style="width: 100%;"> <tbody> <tr> <td style="width: 50%; vertical-align: top;"> <p>Jorge H. Capdevila, Ph.D. Vanderbilt University</p> <p>John R. (Camille) Falck, Ph.D. University of Texas Southwestern Medical Ctr.</p> <p>Bruce D. Hammock, Ph.D. University of California – Davis</p> <p>Kenneth V. Honn, Ph.D. Wayne State University School of Medicine</p> <p>John D. Imig, Ph.D. Medical College of Wisconsin</p> <p>Dipak Panigrahy, M.D. Beth Israel Deaconess Medical Center</p> </td> <td style="width: 50%; vertical-align: top;"> <p>Richard P. Phipps, Ph.D. University of Rochester Medical Center</p> <p>Daniele Piomelli, PharmD., Ph.D. University of California - Irvine</p> <p>Samuel M. Poloyac, PharmD., Ph.D. University of Pittsburgh School of Pharmacy</p> <p>Wolf-Hagen Schunck, Ph.D. Max Delbrück Center for Molecular Medicine</p> <p>Michal L. Schwartzman, Ph.D. New York Medical College</p> <p>Charles N. Serhan, Ph.D. Brigham and Women's Hospital/Harvard</p> </td> </tr> </tbody> </table>		<p>Jorge H. Capdevila, Ph.D. Vanderbilt University</p> <p>John R. (Camille) Falck, Ph.D. University of Texas Southwestern Medical Ctr.</p> <p>Bruce D. Hammock, Ph.D. University of California – Davis</p> <p>Kenneth V. Honn, Ph.D. Wayne State University School of Medicine</p> <p>John D. Imig, Ph.D. Medical College of Wisconsin</p> <p>Dipak Panigrahy, M.D. Beth Israel Deaconess Medical Center</p>	<p>Richard P. Phipps, Ph.D. University of Rochester Medical Center</p> <p>Daniele Piomelli, PharmD., Ph.D. University of California - Irvine</p> <p>Samuel M. Poloyac, PharmD., Ph.D. University of Pittsburgh School of Pharmacy</p> <p>Wolf-Hagen Schunck, Ph.D. Max Delbrück Center for Molecular Medicine</p> <p>Michal L. Schwartzman, Ph.D. New York Medical College</p> <p>Charles N. Serhan, Ph.D. Brigham and Women's Hospital/Harvard</p>		
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<p><u>AWARDS COMMITTEE</u> Claus Schneider, Ph.D., Chairman Vanderbilt University</p> <table border="0" style="width: 100%;"> <tbody> <tr> <td style="width: 25%;">Mairead A. Carroll, Ph.D. New York Medical College</td> <td style="width: 25%;">John Hwa, Ph.D. Yale University</td> <td style="width: 25%;">John M. Seubert, Ph.D. University of Alberta</td> <td style="width: 25%;">Matthew R. Spite, Ph.D. Harvard Medical School</td> </tr> </tbody> </table>		Mairead A. Carroll, Ph.D. New York Medical College	John Hwa, Ph.D. Yale University	John M. Seubert, Ph.D. University of Alberta	Matthew R. Spite, Ph.D. Harvard Medical School
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Cancer

Cardiovascular

Diabetes

Inflammation

Mechanism-Structure-Genetics

Renal

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(POLM)*

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Albany Medical College

Austin M. Guo, PhD
New York Medical College

Yael Gus-Brautbar, PhD
Beth Israel Deaconess Medical Center/Harvard

Xuehong Liu, PhD
Oregon Health and Science University

John C. McGiff, Memorial Lecture Award

Bruce D. Hammock, Ph.D.
University of California - Davis

SUNDAY, MARCH 13, 2016

6:00-8:00 pm **Welcome Reception**
Harborview Room (2nd Floor)

6:00–7:30 pm **Poster Session I**
Maryland Suite (2nd Floor)

MONDAY, MARCH 14, 2014

7:15-8:15 am **Trainee Roundtable: Pratt/Calvert/ Camden/Lombard (3rd Floor)**
Women in Science/Industry/Senior Investigator (Academia)

ORAL PRESENTATIONS: CONSTELLATION E/F (2nd Floor)

8:15 am **Opening Remarks**
Darryl C. Zeldin, MD, NIH/NIEHS, Research Triangle Park, NC

SESSION I: EPOXYGENASE METABOLITES – NEW OPPORTUNITIES FOR TRANSLATIONAL RESEARCH

Co-Chairs: John D. Imig, PhD, Medical College of Wisconsin, Milwaukee, WI
Jorge H. Capdevila, PhD, Vanderbilt University, Nashville, TN

8:20 am Nabil J. Alkayed, MD, PhD, Oregon Health and Science University, Portland, OR
Epoxygenase Metabolites and Cerebral Vascular Cognitive Impairment

8:45 am John M. Seubert, MSc, PhD, University of Alberta, Edmonton AB, Canada
Cardiac Mitochondria, Epoxyeicosanoids and PPAR Signaling

9:10 am Jamie L. Lahvic, BA, Boston Children's Hospital, Harvard Medical School, Boston, MA
Eicosanoids Signal via GPR132 to Enhance Developmental Hematopoiesis and Marrow Transplant

9:35 am William B. Campbell, PhD, Medical College of Wisconsin, Milwaukee, WI
New Developments in the Search for EET Receptors

10:00 am Chen Chen, MD, PhD, Huazhong University of Science and Technology, Wuhan, China
CYP2J2 and its Metabolites (EETs) Attenuate Cardiac Hypertrophy by Activating AMPK α 2 and Enhancing Nuclear Translocation of Akt1

10:15 am **Coffee Break (20 min)**

SESSION II: EICOSANOIDS IN CANCER: FROM BIOLOGY TO DRUG DISCOVERY

Co-Chairs: Kenneth V. Honn, PhD, Wayne University School of Medicine, Detroit, MI
Imad Shureiqi, MD, MS, University of Texas MD Anderson Cancer Center, Houston, TX

10:35 am Imad Shureiqi, MD, MS, University of Texas MD Anderson Cancer Center, Houston, TX
ALOX15 as a Suppressor of Inflammation and Cancer: Missed in the Link

- 11:00 am Guodong Zhang, PhD, University of Massachusetts Amherst, Amherst, MA
P450-derived Eicosanoids on Cancer Progression
- 11:25 am Emily R. Finch, PhD, Pennsylvania State University, University Park, PA
The Role of Endogenous Lipid Mediators in Models of Experimental Leukemia
- 11:50 am Molly M. Gilligan, BS/BA, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA
Control of Hematological Cancer Progression with Resolvins

12:05 pm **Lunch Break (1 hr, 30 min)**

SESSION III: RESOLVINS

- Co-Chairs: Charles N. Serhan, PhD, DSc, Harvard Institutes of Medicine, Brigham & Women's Hospital and Harvard Medical School, Boston, MA
Dipak Panigrahy, MD, Beth Israel Deaconess Medical Center/Harvard, Boston, MA
- 1:35 pm Charles N. Serhan, PhD, DSc, Harvard Institutes of Medicine, Brigham & Women's Hospital, and Harvard Medical School, Boston, MA
Elucidation of Novel Resolution Mediators in Human Tissues
- 2:20 pm Richard P. Phipps, PhD, University of Rochester, Rochester, NY
Resolvins Blunt Tobacco Smoke-induced Lung Inflammation and Injury, and Increase Alternatively Activated M2 Macrophages with Pro-resolving Properties
- 2:45 pm Matthew Spite, PhD, Harvard Medical School and Brigham & Women's Hospital, Boston, MA
Inflammation-resolving Lipid Mediators in Wound Healing and Ischemic Revascularization
- 3:10 pm Nan Chiang, PhD, Harvard Institutes of Medicine, Brigham & Women's Hospital and Harvard Medical School, Boston, MA
Resolvin D2 Receptor in Resolution of Bacterial Infections and Organ Protection
- 3:35 pm **Coffee Break (20 min)**

SESSION IV: 20-HETE

- Co-Chairs: Michal L. Schwartzman, PhD, New York Medical College, Valhalla, NY
Samuel M. Poloyac, PharmD, PhD, University of Pittsburgh, Pittsburgh, PA
- 3:55 pm Victor Garcia, PhD, Yale University, New Haven, CT
The 20-HETE Receptor
- 4:20 pm Richard J. Roman, PhD, University of Mississippi Medical Center, Jackson, MS
20-HETE and the Development of Vascular Cognitive Impairments
- 4:45 pm Petra Rocic, PhD, New York Medical College, Valhalla, NY
20-HETE is a Major Regulator of Coronary Collateral Growth in Metabolic Syndrome
- 5:10 pm Ayman O. El-Kadi, PhD, Qatar University, Doha, Qatar, and University of Alberta, Edmonton, AB, Canada
20-Hydroxyecosatetraenoic Acid is a Potential Therapeutic Target in Cardiovascular Diseases

5:35 pm Mong-Heng Wang, PhD, Georgia Regents University, Augusta, GA
Interaction of 20-HETE and COX-2 in Rofecoxib-induced Stroke Event

5:50 pm End of Monday Sessions

6:00-7:30 pm **Poster Session II (Maryland Suite – 2nd Floor)**

TUESDAY, MARCH 15, 2016

7:15-8:15 am **Trainee Roundtable: Pratt/Calvert/ Camden/Lombard (3rd Floor)**
 Government/Overseas/Junior Investigator

ORAL PRESENTATIONS: CONSTELLATION E/F (2nd Floor)

SESSION V: ROLE OF EPOXYLIPID MEDIATORS IN DISEASE

Co-Chairs: Bruce D. Hammock, PhD, University of California-Davis, Davis, CA
 Nabil J. Alkayed, MD, PhD, Oregon Health and Science University, Portland, OR

8:30 am Fawaz G. Haj, D.Phil, University of California-Davis, Davis, CA
ER Stress as a Possible Unifying Mechanism for the Action of EETs and Other Regulatory Lipids for Diabetes and Associated Diseases

8:55 am Kip M. Connor, PhD, Harvard Medical School/Massachusetts Eye and Ear, Boston, MA
Cytochrome P450 Lipid Metabolites Regulate Choroidal Neovascularization

9:20 am Qian Ren, MD, Chiba University Center for Forensic Mental Health, Chiba, Japan
Gene Deficiency and Pharmacological Inhibition of Soluble Epoxide Hydrolase Confers Resilience to Repeated Social Defeat Stress: Role of BDNF-TrkB Signaling

9:45 am John D. Imig, PhD, Medical College of Wisconsin, Milwaukee, WI
Epoxy lipids and Soluble Epoxide Hydrolase Inhibition on Kidney Fibrosis

10:10 am Andrew G. Horti, PhD, Johns Hopkins Medical Institutions, Baltimore, MD
¹⁸F-FNDP for Brain PET Imaging of Soluble Epoxide Hydrolase (sEH)

10:25 am **Coffee Break (20 min)**

SESSION VI: THERAPEUTIC POTENTIAL OF OMEGA-3 FATTY ACID-DERIVED CYP EPOXYGENASE METABOLITES

Co-Chairs: Wolf-Hagen Schunck, Max-Delbrück Center for Molecular Medicine, Berlin, Germany
 Camille Falck, University of Texas Southwestern Medical Center, Dallas, TX

10:45 pm Aditi Das, PhD, University of Illinois Urbana-Champaign, Urbana IL
Discovery of Novel Omega-3 Endocannabinoid Epoxides Emanating from the Cross-Talk between the Endocannabinoid and Cytochrome P450 Metabolic Pathways

11:10 am Joan Clària, PhD, Hospital Clinic-University of Barcelona, Barcelona, Spain
Omega-3's Benefits in Obesity and Liver Disease

- 11:35 am Anne Konkel, PhD, OMEICOS Therapeutics GmbH, Berlin, Germany
Development of Omega-3 Epoxyecosanoid-like Drugs for the Treatment of Atrial Fibrillation
- 12:00 pm Ryoji Yanai, MD, PhD, Yamaguchi University Graduate School of Medicine, Yamaguchi, Japan
CYP-generated Metabolites of Omega-3 Fatty Acids Promote Choroidal Neovessel Resolution
- 12:25 pm Sarah Dziumbra, MSc, Institute for Vascular Signalling, Centre for Molecular Medicine, Goethe University, Frankfurt, Germany
Omega-3 Diol 19,20-Dihydroxydocosapentaenoic Acid Regulates Vascular Permeability in Diabetic Retinopathy
- 12:40 pm **Lunch Break (1 hr, 30 min)**

SESSION VII: YOUNG INVESTIGATORS SESSION

Co-Chairs: Claus Schneider, PhD, Vanderbilt University School of Medicine, Nashville, TN
John M. Seubert, PhD, University of Alberta, Edmonton AB, Canada

- 2:10 pm Claus Schneider, PhD
Introduction of Young Investigator Session
- 2:15 pm Gabrielle Fredman, PhD, Albany Medical College, Albany, NY (*POLM YI Awardee*)
Atherosclerosis Progression is Associated with a Decrease in Pro-Resolving Mediators and Can Be Mitigated by Restoring Resolvin D1
- 2:30 pm Yael Gus-Brautbar, PhD, Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA (*POLM YI Awardee*)
20-HETE Promotes Pancreatic Cancer Growth and Metastasis via Regulation of Inflammatory Signaling
- 2:45 pm Xuehong Liu, PhD, The Knight Cardiovascular Institute/Oregon Health & Science University, Portland, OR (*POLM YI Awardee*)
Function Screening for G-Protein-coupled Receptor Targets of 14,15-Epoxyecosatrienoic Acid
- 3:00 pm Austin M. Guo, PhD, New York Medical College, Valhalla, NY (*POLM YI Awardee*)
20-HETE Contributes to Ischemia-induced Angiogenesis
- 3:15 pm Fan Fan, MD, MS, The University of Mississippi Medical Center, Jackson, MS
Functional Variants of CYP4A11 and CYP4F2 are Associated with Cognitive Impairment and Related Dementia Endophenotypes in the Elderly
- 3:30 pm Ling-Yun Chu, PhD, China Medical University and National Health Research Institutes, Taiwan
Fibroblasts Inhibit Cancer Cell Epithelial Mesenchymal Transition and Metastasis by Release of COX-2 Suppressing Tryptophan Metabolite(s)
- 3:45 pm **Coffee Break (20 min)**

JOHN C. McGIFF MEMORIAL LECTURE

- 4:05 pm Michal L. Schwartzman, PhD, New York Medical College, Valhalla, NY
Overview & Tribute to John C. McGiff, MD
- 4:10 pm Darryl C. Zeldin, MD, NIEHS/NIH, Research Triangle Park, NC
Introduction of Awardee & Presentation – Bruce D. Hammock, PhD
- 4:15 pm Bruce D. Hammock, PhD, University of California-Davis, Davis, CA
Epoxide Hydrolase Inhibitors as Biochemical Probes and Drug Candidates
- 4:40 pm End of Tuesday Sessions
- 4:45-6:15 pm **Poster Session III (Maryland Suite – 2nd Floor)**

8:00 pm **Conference Dinner and Awards Presentations**
McCormick & Schmick's, Pier 5, 711 Eastern Avenue

WEDNESDAY, MARCH 16, 2016

ORAL PRESENTATIONS: MARYLAND SUITE (2nd Floor)**SESSION VIII: NEW VISTAS ON ENDOCANNABINOID SIGNALING**

Co-Chairs: Daniele Piomelli, PharmD, PhD, University of California-Irvine, Irvine, CA
Arthur A. Spector, MD, NIAAA/NIH, Bethesda, MD

- 8:30 am Bora Inceoglu, PhD, University of California-Davis, Davis, Ca
Structurally and Mechanistically Diverse Bioactive Lipid Mediators Cooperate to Dampen Signaling Cascades that Mediate Neuropathic Pain
- 8:55 am Nicholas V. DiPatrizio, PhD, University of California-Riverside School of Medicine, Riverside, CA
Gut-Brain Endocannabinoid Signaling in Health and Disease
- 9:20 am Kwang-Mook Jung, PhD, University of California-Irvine, Irvine, CA
Lipid Abnormalities in the BTBR Mouse Model of Autism
- 9:45 am Brian C. Shonesy, PhD, Vanderbilt University School of Medicine, Nashville, TN
Diacylglycerol Lipase and 2-Arachidonoyl Glycerol Signaling in the Striatum

10:10 am **Coffee Break (20 min)**

SESSION IX: INFLAMMATION

Co-Chairs: Richard P. Phipps, PhD, University of Rochester Medical Center, Rochester, NY
Ingrid Fleming, PhD, VRC for Molecular Medicine, Goethe University, Frankfurt, Germany

- 10:30 am Michael A. Holinstat, PhD, University of Michigan, Ann Arbor, MI
12(S)-HETrE, a 12-Lipoxygenase-derived Eicosanoid with Therapeutic Potential to Prevent Thrombosis In Vivo
- 10:55 am Claus Schneider, PhD, Vanderbilt University School of Medicine, Nashville, TN
A Biosynthetic Cross-over of the 5-LOX and COX-2 Pathways
- 11:20 am Carolyn J. Baglole, PhD, McGill University, Montreal, Quebec, Canada
Emerging Paradigms for the Regulation of Cyclooxygenase Expression and their Implications for Chronic Lung Disease
- 11:45 am K. Sandeep Prabhu, PhD, Pennsylvania State University, University Park, PA
Endogenous Cyclopentenone Prostaglandin J2 in the Resolution of Inflammation
- 12:10 pm Closing Remarks – Dr. Darryl Zeldin
- 12:15 pm End of Conference