3rd International Conference on the Molecular Medicine of Sphingolipids

September 18-23, 2016
French Lick Resort, French Lick, Indiana, USA
Registration Location
Windsor Business Center

Hours of Operation

Sunday, September 18   17:00 – 21:30
Monday, September 19   08:00 – 19:00
Tuesday, September 20  08:00 – 19:00
Wednesday, September 21  08:00 – 16:00
Thursday, September 22  08:00 – 16:00
Friday, September 23   08:00 – 10:00

Speakers / Short Talk Presenter Slides
All speakers and short-talk presenters should upload their slides to the computer in Windsor Ballroom C at least 30 minutes prior to their session.

Posters
All posters should be mounted in Windsor Ballroom B for the duration of the conference. Poster Presenters should remain at their poster during their assigned session.

Scientific Program & Poster Presentations

Organizers

Michael Edwards
University of Cincinnati, Cincinnati, Ohio, USA

Tony Futerman
Weizmann Institute of Science, Rehovot, Israel

Erich Gulbins
University of Duisburg-Essen, Germany

Richard N. Kolesnick
Memorial Sloan Kettering Cancer Center, New York, New York, USA

Toshiro Okazaki
Kanazawa Medical University, Ishikawa, Japan

Josef Pfeilschifter
Goethe-University, Frankfurt am Main, Germany

This meeting is held in the spirit of the “Gordon Conferences“ and we request that participants respect the unpublished data of the presenters.

Thank you.
SCIENTIFIC PROGRAM

SUNDAY, SEPTEMBER 18, 2016

17:00  Registration Opens – Windsor Business Center
18:00 – 19:30  Welcome Cocktails – Clifton Terrace / Foyer
19:30 – 21:00  Dinner – Clifton Ballroom
21:00 – 21:30  WELCOME ADDRESS
   Clifton Ballroom
   Michael Edwards
   University of Cincinnati, Cincinnati, Ohio, USA
   Erich Gulbins
   University of Duisburg-Essen, Germany
   Tony Futerman
   Weizmann Institute of Science, Rehovot, Israel

MONDAY, SEPTEMBER 19, 2016

07:00 – 09:00  Breakfast – The Grand Colonnade
09:00 – 10:00  OPENING SESSION OF HONOR
   Chair: Tony Futerman
   Windsor Ballroom C
09:00  THE ENIGMA IS DEAD. LONG LIVE THE ENIGMA
   Alfred Merrill
   Georgia Institute of Technology, Atlanta, Georgia, USA
10:00  Coffee Break – Windsor Foyer
10:30 – 12:30  SESSION I: INBORN DISEASES AND DEGENERATION
   Chair: Tony Futerman
   Windsor Ballroom C
10:30  ACID CERAMIDASE AND CARTILAGE DISEASE: INSIGHTS FROM FARBER DISEASE LEAD TO NEW THERAPEUTIC USES
   Edward Schuchman
   Mount Sinai School of Medicine, New York, New York, USA
11:00 CONSEQUENCES OF ACID CERAMIDASE DEFICIENCY IN MICE AND HUMANS

Jeffrey Medin
Medical College of Wisconsin, Milwaukee, Wisconsin, USA

11:30 SGPL1 MUTATIONS CAUSE NEPHROSIS WITH ACANTHOSIS AND ADRENAL INSUFFICIENCY

Julie Saba
Children's Hospital Oakland Research Institute, Oakland, California, USA

12:00 CERAMIDE SYNTHASES IN AGING AND DISEASE

Franziska Peters
Medical Center University of Cologne, Koeln, Germany

12:30 Lunch – Windsor Ballroom A

13:45 – 15:00 SESSION I SHORT TALKS: INBORN DISEASES AND DEGENERATION
Chair: Tony Futerman
Windsor Ballroom C

13:45 THIRD GENERATION P-GLYCOPROTEIN INHIBITORS ENHANCE CERAMIDE THERAPEUTIC POTENTIAL IN ACUTE MYELOID LEUKEMIA—IMPACT OF MITOCHONDRIAL REACTIVE OXYGEN SPECIES

Samy Morad
Brody School of Medicine, East Carolina University, Greenville, North Carolina, USA

14:00 FTY720 INDUCES NECROPTOSIS BY REGULATING CERAMIDE SIGNALING AT THE PLASMA MEMBRANE

Rose Nganga
Medical University of South Carolina, USA

14:15 A NEW MOUSE MODEL EXPLORING THE LINK BETWEEN GAUCHER DISEASE AND PARKINSONISM

Yael Pewzner-Jung
Weizmann Institute of Science, University of Rehovot, Rehovot, Israel
14:30  A NOVEL ROLE FOR ACID SPHINGOMYELINASE IN THE GOLGI

Cosima Rhein
Stony Brook Cancer Center, Stony Brook, New York, USA

14:45  Coffee Break – Windsor Foyer

15:00 – 17:00  POSTER PRESENTATIONS I
Windsor Ballroom B

17:00 – 19:00  SESSION II: LUNG
Chair: Erich Gulbins
Windsor Ballroom C

17:00  THE ROLE OF ORMDL3 IN SPHINGOLIPID METABOLISM AND ASTHMA

Sarah Spiegel
Virginia Commonwealth University School of Medicine, Richmond, Virginia, USA

17:30  ROLE OF LIPID-RAFTS IN CIGARETTE SMOKE INDUCED AUTOPHAGY IMPAIRMENT AND COPD-EMPHYSEMA PATHOGENESIS

Neeraj Vij
Central Michigan University, Mt. Pleasant, Michigan, USA

18:00  THE ROLE OF ACID SPHINGOMYELINASE IN TRANSCELLULAR AND PARACELLULAR TRANSPORT IN THE LUNGS

Stefan Uhlig
University Hospital Aachen, RWTH Aachen, Germany

19:00 – 20:30  Dinner – Windsor Ballroom A

20:30 – 22:00  Social Gathering / Cocktails
Windsor Ballroom A

TUESDAY, SEPTEMBER 20, 2016

07:00 – 09:00  Breakfast – The Grand Colonnade

09:00 – 09:30  SESSION II SHORT TALKS: LUNG
Chair: Erich Gulbins
Windsor Ballroom C
09:00 INVESTIGATING THE ROLE OF pH ON CERAMIDE ACCUMULATION IN CYSTIC FIBROSIS
Aaron Ions Gardner
Newcastle University, Newcastle-upon-Tyne, United Kingdom

09:15 SPHINGOSINE QUANTITY WITHIN THE LUNGS INFLUENCES PULMONARY BACTERIAL INFECTION AND BACTERIAL CLEARANCE DURING SEPSIS
Brynne E. Whitacre
University of Cincinnati, Cincinnati, Ohio, USA

09:30 – 11:00 SESSION III: INFECTION, INFLAMMATION AND IMMUNITY – PART 1
Chair: Charles Caldwell
Windsor Ballroom C

09:30 DISCERNING A ROLE FOR 1-O-ACYLCERAMIDE SYNTHASE IN AUTOIMMUNITY
James Shayman
University of Michigan, Ann Arbor, Michigan, USA

10:00 INCREASED SPHINGOSINE AMELIORATES PNEUMONIA IN INJURED MICE
Charles Caldwell
University of Cincinnati, Cincinnati, Ohio, USA

10:30 SEQUESTRATION OF BACTERIAL TOXINS BY TAILORED LIPOSOMES
Edik Babiychuk
University of Bern, Switzerland

11:00 Coffee Break – Windsor Foyer

11:30 – 12:30 SESSION III: INFECTION, INFLAMMATION AND IMMUNITY – PART 2
Chair: Charles Caldwell
Windsor Ballroom C

11:30 A NOVEL BROAD-SPECTRUM ANTIMICROBIAL COATING FOR MEDICAL DEVICES
Aaron Seitz
University of Cincinnati, Cincinnati, Ohio, USA
12:00 BACTERIAL DETECTION OF SPHINGOSINE AND REGULATED SPHINGOSINE RESISTANCE

Matthew Wargo
University of Vermont College of Medicine, Burlington, Vermont, USA

12:30 Lunch – Windsor Ballroom A

14:00 – 15:00 SESSION III: INFECTION, INFLAMMATION AND IMMUNITY – PART 3
Chair: Timothy Pritts
Windsor Ballroom C

14:00 THE ROLE OF SPHINGOLIPIDS IN THE INFLAMMATORY RESPONSE TO TRAUMA AND RESUSCITATION

Timothy Pritts
University of Cincinnati, Cincinnati, Ohio, USA

14:30 DECODING INFECTIONS – CERAMIDE SIGNALING ENHANCES VIRUS ENTRY

Urs Greber
University of Zurich, Zurich, Switzerland

15:00 Coffee Break – Windsor Foyer

15:30 – 17:00 POSTER PRESENTATIONS II & III
Windsor Ballroom B

17:00 – 18:30 SESSION III SHORT TALKS: INFECTION, INFLAMMATION AND IMMUNITY
Chair: Timothy Pritts
Windsor Ballroom C

17:00 THE ROLE OF ACID SPHINGOMYELINASE IN MURINE ANTIGEN-INDUCED ARTHRITIS

Nadine Beckmann
University Hospital Essen, Essen, Germany

17:15 SPHINGOSINE AS A NOVEL ANTIBACTERIAL AGENT FOR THE TREATMENT OF URINARY TRACT INFECTION

Peter Jernigan
University of Cincinnati, Cincinnati, Ohio, USA
REGULATION OF CHLAMYDOMONAS FLAGELLA AND EPENDYMAL CELL MOTILE CILIA BY CERAMIDE-MEDIATED TRANSLOCATION OF GSK3

Ji Na Kong
Medical College of Georgia, Augusta University, Augusta, Georgia, USA

SPHINGOSINE RESCUES SUSCEPTIBLE OLD MICE FROM PULMONARY INFECTION BY PSEUDOMONAS AERUGINOSA

Amanda M. Pugh
University of Cincinnati, Cincinnati, Ohio, USA

SPHINGOSINE TREATMENT RESCUES BURN MICE FROM LUNG PSEUDOMONAS AERUGINOSA INFECTION

Teresa C. Rice
University of Cincinnati, Cincinnati, Ohio, USA

WEDNESDAY, SEPTEMBER 21, 2016

07:00 – 09:00 Breakfast – The Grand Colonnade

09:00 – 10:30 SESSION IV: NEUROSCIENCES
Chair: Alessandro Prinetti and Johannes Kornhuber
Windsor Ballroom C

09:00 SPHINGOLIPIDS IN MAJOR DEPRESSIVE DISORDER

Johannes Kornhuber
University Hospital Erlangen, Erlangen, Germany

09:30 ANTI-GLYCOLIPID NATURAL IgM ANTIBODIES AS POTENTIAL THERAPEUTICS IN DEMYELINATING DISEASES

Alessandro Prinetti
University of Milano, Milano, Italy
10:00  RARE DISEASES AS A NEW PARADIGM FOR DRUG DISCOVERY: LESSONS FROM THE GAUCHER-PARKINSON’S LINK  

_Pablo Sardi_
Genzyme, Framingham, Massachusetts, USA

10:30  Coffee Break – Windsor Foyer

11:00 – 12:30  SESSION IV SHORT TALKS: NEUROSCIENCES  
Chair: Alessandro Prinetti and Johannes Kornhuber  
Windsor Ballroom C

11:00  COMPREHENSIVE FUNCTIONAL AND STRUCTURAL GLYCOMICS IN NEURODEGENERATIVE DISORDERS  

_Kazuhiro Aoki_
University of Georgia, Athens, Georgia, USA

11:15  ACID SPHINGOMYELINASE MODULATES THE CEREBRAL RESPONSE TO REPETITIVE MILD TRAUMATIC BRAIN INJURY  

_Richard Hoehn_
University of Cincinnati, Cincinnati, Ohio, USA

11:30  PLASMA CERAMIDES AND GLUCOSYLCERAMIDES PREDICT COGNITIVE DECLINE AMONG COGNITIVELY NORMAL PARKINSON’S DISEASE PATIENTS  

_Michelle M. Mielke_
Rochester, New York, USA

11:45  SPHINGOID BASES AND NEUROTOXICITY  

_Stefka Spassieva_
Texas A&M Health Science Center, College Station, Texas, USA

12:00  NEUTRAL SPHINGOMYELINASE-2 DEFICIENCY AMELIORATES ALZHEIMER’S DISEASE PATHOLOGY AND IMPROVES COGNITION IN THE 5XFAD MOUSE  

_Erhard Bieberich_
Medical College of Georgia at Augusta University, Augusta, Georgia, USA
12:30   Lunch – Windsor Ballroom A
13:45 – 15:30  Social Activity / Historical Tour of French Lick Resort and West Badin
Registration Desk – Windsor Business Center
18:30 – 20:15  Dinner – Windsor Ballroom A
20:15 – 22:00  Social Gathering / POSTER PRESENTATIONS IV, V & VI
Windsor Ballroom B

THURSDAY, SEPTEMBER 22, 2016

07:00 – 09:00  Breakfast – The Grand Colonnade

09:00 – 10:00  SESSION V: CARDIOVASCULAR SYSTEM AND METABOLISM / LUNG
Chair: Erich Gulbins
Windsor Ballroom C

09:00  THE ROLE OF SPHINGOLIPIDS IN DISTINCT COPD PHENOTYPES

Irina Petrache
National Jewish Health, Denver, Colorado, USA

09:30  CERAMIDES AS MODULATORS OF ADIPOSE METABOLIC HEALTH

Scott Summers
Duke University Medical Center, Durham, North Carolina, USA

10:00 – 10:30  SESSION V SHORT TALKS: CARDIOVASCULAR SYSTEM METABOLISM AND S1P – PART 1
Chair: Erich Gulbins
Windsor Ballroom C

10:00  ALTERED SPHINGOSINE-1-PHOSPHATE AND PULMONARY ENDOTHELIAL BARRIER FUNCTION FOLLOWING EXPOSURE TO AGED RED BLOOD CELLS

Amy T. Makley
University of Cincinnati, Cincinnati, Ohio, USA
10:15 INFLUENCE OF ACID SPHINGOMYELINASE DEFICIENCY ON BRAIN DAMAGE AFTER MILD FOCAL ISCHEMIA IN MICE

Ayan Mohamud Yusuf
University Hospital Essen, Germany

10:30 Coffee Break – Windsor Foyer

11:00 – 12:30 SESSION V SHORT TALKS: CARDIOVASCULAR SYSTEM METABOLISM AND S1P – PART 2
Chair: Amy T. Makley
Windsor Ballroom C

11:00 ACTIVATION OF THE HYPOXIA INDUCIBLE FACTOR (HIF) MEDIATED BY SIALIDASE NEU3 IN CYANOTIC CONGENITAL HEART PATIENTS

Luigi Anastasia
University of Milan, Italy

11:15 INCREASED SPHINGOSINE 1-PHOSPHATE RECEPTOR 1 EXPRESSION INDUCES APOPTOSIS IN HEMATOPOIETIC PROGENITORS AND RESULTS IN LEthal BONE MARROW FAILURE

Victoria A. Blaho
Weill Medical College of Cornell University, New York, New York, USA

11:30 ADVANCES IN UNDERSTANDING THE ROLES OF CERAMIDE SYNTHASE ISOFORMS IN THE CARDIAC RESPONSE TO DYSLIPIDEMIA

L. Ashley Cowart
Medical University of South Carolina, Charleston, South Carolina, USA

11:45 LINKING OBESITY WITH THE DEVELOPMENT AND PROGRESSION OF MYELODYSPLASTIC SYNDROME TO ACUTE MYELOID LEUKEMIA

Rachel J. Sabol
University of New Hampshire, Durham, New Hampshire, USA
12:00 THE INFLUENCE OF ANTI-ESTROGENS ON THE SPHINGOLIPID METABOLISM IN UDP-GLUCOSE CERAMIDE GLUCOSYLTRANSFERASE (UGCG) OVEREXPRESSING

Marthe-Susanna Wegner
Institute for Clinical Pharmacology, University of Frankfurt am Main, Germany

12:15 THE REACTIVITY OF (2E)-HEXADECENAL, A BREAK-DOWN PRODUCT OF SPHINGOSINE 1-PHOSPHATE, TOWARDS CELLULAR NUCLEOPHILES

Fabian Schumacher
Institute of Nutritional Science, University of Postdam, Germany

12:30 Lunch – Windsor Ballroom A

14:00 – 15:30 SESSION VI: ONCOLOGY
Chair: Richard N. Kolesnick
Windsor Ballroom C

14:00 ANTI-CERAMIDE ANTIBODY AS MITIGATOR OF THE ACUTE RADIATION GASTROINTESTINAL SYNDROME

Vijay Singh
Uniformed Services University, Bethesda, Maryland, USA

14:30 CERAMIDE, STAT3 AND METABOLISM: MECHANISTIC STUDIES TO SUPPORT A CLINICAL TRIAL

Mark Kester
University of Virginia, Charlottesville, Virginia, USA

15:00 CERAMIDE INHIBITION AND PROTECTION OF INTESTINAL EPITHELIUM FROM IMMUNE-MEDIATED INJURY AFTER BONE MARROW TRANSPLANTATION

Alan Hanash
Memorial Sloan Kettering Cancer Center, New York, New York, USA

15:30 Coffee Break – Windsor Foyer

16:30 – 19:00 SESSION VI SHORT TALKS: ONCOLOGY
Chair: Richard N. Kolesnick
Windsor Ballroom C
16:30 THE ROLE OF ACID SPHINGOMYELINASE IN HEMATOGENOUS TUMOR METASTASIS

Alexander Carpinteiro
University of Duisburg-Essen, Essen, Germany

16:45 TARGETING SPHINGOLIPID METABOLISM IN HER2-POSITIVE BREAST CANCER

Christopher J. Clarke
Stony Brook University, USA

17:00 REGULATION OF TUMOR SUPPRESSOR PP2A AND ITS INHIBITOR SET ONCOPROTEIN INTERACTION BY SPHINGOLIPIDS

Ryan De Palma
Medical University of South Carolina, Charleston, South Carolina, USA

17:15 IONIZING RADIATION INDUCES SECRETION OF ACID SPHINGOMYELINASE TO INITIATE APOPTOSIS VIA OXIDATIVE STRESS AT THE PLASMA MEMBRANE

Charles Ferranti
Memorial Sloan Kettering Cancer Center, New York, New York, USA

17:30 EPIGENETICS REGULATION OF MRNA SPlicing INFLUENCES SPHINGOLIPID METABOLISM IN ACUTE MYELOID LEUKEMIA

Paul T. Toran
University of New Hampshire, Durham, New Hampshire, USA

17:45 TARGETING SPHINGOLIPID METABOLISM WITH ABC294640 IN PROSTATE CANCER

Christina Voelkel-Johnson
Medical University of South Carolina, Charleston, South Carolina, USA

18:00 S1P TRANSPORTER SPNS2 REGULATES NON-SMALL CELL LUNG CANCER CELL MIGRATION

Guanghu Wang
Medical College of Georgia at Augusta University, Augusta, Georgia, USA
18:15 CISPLATIN-INDUCED CHANGES ON MEMBRANE BIOPHYSICAL PROPERTIES OF COLON CANCER CELLS: CHARACTERIZATION OF THE INITIAL STEPS OF CISPLATIN MECHANISM OF ACTION

_Liana C. Silva_

iMed.ULisboa – Research Institute for Medicines, University of Lisboa, Lisboa, Portugal

18:30 NUCLEAR TRAFFICKING OF ABCB1/DAUNORUBICIN VESICLES INITIATED BY SPHINGOMYELINASE (SMASE) REVERTS MULTIDRUG RESISTANCE (MDR)

_Wing-Kee Lee_

Sloan-Kettering Institute, New York, New York, USA

19:30 Dinner Banquet – *Windsor Ballroom A & B*

**FRIDAY, SEPTEMBER 23, 2016**

07:00 – 09:00 Breakfast – *The Grand Colonnade*

Departures
### Poster Session I

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Natalia Santos Ferreira</td>
<td>Regulation of Very-Long Acyl Chain Ceramide Synthesis by Acyl-CoA Binding Protein</td>
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<tr>
<td>Samy Morad</td>
<td>Third generation P-glycoprotein inhibitors enhance ceramide therapeutic potential in acute myeloid leukemia - impact of mitochondrial reactive oxygen species</td>
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<tr>
<td>Murtaza S. Nagree</td>
<td>Reduced glucocerebrosidase activity improves outcomes in acid ceramidase deficient mice</td>
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<tr>
<td>Rose Nganga</td>
<td>FTY720 Induces Necroptosis by Regulating Ceramide Signaling at the Plasma Membrane</td>
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<tr>
<td>Yael Pewzner-Jung</td>
<td>A new mouse model exploring the link between Gaucher disease and Parkinsonism</td>
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<tr>
<td>Cosima Rhein</td>
<td>A novel role for acid sphingomyelinase in the Golgi</td>
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<tr>
<td>Fabian Yu</td>
<td>Deletion of MCP-1 impedes progression of Acid Ceramidase Deficiency</td>
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### Poster Session II & III

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<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Eduard Babiychuk</td>
<td>Liposomal neutralization of bacterial toxins</td>
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<tr>
<td>Katrin Anne Becker</td>
<td>Imbalance between ceramide and sphingosine in the respiratory tract of cystic fibrosis mice causes susceptibility for lung infection</td>
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<tr>
<td>Nadine Beckmann</td>
<td>Characterization of an Acid Ceramidase Knockout Mouse</td>
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<tr>
<td>Nadine Beckmann</td>
<td>The Role of Acid Sphingomyelinase in murine Antigen-induced Arthritis</td>
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<tr>
<td>Giuseppe Matteo Campisi</td>
<td>Determination of the serine palmitoyltransferase inhibitor Myriocin by electrospray and Q-trap mass spectrometry</td>
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<tr>
<td>Aaron Ions Gardner</td>
<td>Investigating the role of pH on ceramide accumulation in cystic fibrosis</td>
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<tr>
<td>Sara Grassi</td>
<td>Identification of the antigen recognized by rHIgm22, a remyelination-promoting human monoclonal antibody</td>
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<tr>
<td>Peter Jernigan</td>
<td>Sphingosine as a novel antibacterial agent for the treatment of urinary tract infection</td>
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<tr>
<td>Ji Na Kong</td>
<td>Regulation of Chlamydomonas flagella and ependymal cell motile cilia by ceramide-mediated translocation of GSK3</td>
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<tr>
<td>Stephanie Örtel</td>
<td>AOM/DSS-mediated ulcerative colitis is augmented in ceramide synthase 2 null mice due to elevated migration of T-cells</td>
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<tr>
<td>Amanda Pugh</td>
<td>Sphingosine rescues susceptible old mice from pulmonary infection by Pseudomonas aeruginosa</td>
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<tr>
<td>Teresa C. Rice</td>
<td>Sphingosine treatment rescues burn mice from lung Pseudomonas aeruginosa infection</td>
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<td>Brynne E. Whitacre</td>
<td>Sphingosine quantity within the lungs influences pulmonary bacterial infection and bacterial clearance during sepsis</td>
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### Poster Session IV, V, & VI

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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Kazuhiro Aoki</td>
<td>Comprehensive functional and structural glycomics in neurodegenerative disorders</td>
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<tr>
<td>Luigi Anastasia</td>
<td>Activation of the hypoxia inducible factor (HIF) mediated by sialidase NEU3 in cyanotic congenital heart patients</td>
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<td>Erhard Bieberich</td>
<td>Neutral sphingomyelinase-2 deficiency ameliorates Alzheimer’s disease pathology and improves cognition in the 5XFAD mouse</td>
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<td>Victoria A. Blaho</td>
<td>Increased sphingosine 1-phosphate receptor 1 expression induces apoptosis in hematopoietic progenitors and results in lethal bone marrow failure</td>
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<tr>
<td>Alexander Carpinteiro</td>
<td>The role of acid sphingomyelinase in hematogenous tumor metastasis</td>
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<tr>
<td>Christopher J. Clarke</td>
<td>Targeting Sphingolipid Metabolism in HER2-positive Breast Cancer</td>
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<tr>
<td>L. Ashley Cowart</td>
<td>Advances in understanding the roles of ceramide synthase isoforms in the cardiac response to dyslipidemia</td>
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<tr>
<td>Ryan De Palma</td>
<td>Regulation of Tumor Suppressor PP2A and Its Inhibitor SET Oncoprotein Interaction by Sphingolipids</td>
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<tr>
<td>Meacci Elisabetta</td>
<td>Autocrine and paracrine regulation by secreted sphingosine 1-phosphate in bone marrow-mesenchymal stromal cells</td>
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<tr>
<td>Charles Ferranti</td>
<td>Ionizing radiation induces secretion of acid sphingomyelinase to initiate apoptosis via oxidative stress at the plasma membrane</td>
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<tr>
<td>Richard Hoehn</td>
<td>Acid Sphingomyelinase Modulates the Cerebral Response to Repetitive Mild Traumatic Brain Injury</td>
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<tr>
<td>Natalia Krupenko</td>
<td>Ceramide synthase 6 is a novel target of methotrexate</td>
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<td>Noelle T. Labrecque</td>
<td>Epigenetic Regulation of Sphingolipid Metabolism in Acute Myeloid Leukemia</td>
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<tr>
<td>Wing-Kee Lee</td>
<td>Nuclear trafficking of ABCB1/daunorubicin vesicles initiated by sphingomyelinase (SMase) reverts multidrug resistance (MDR)</td>
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<tr>
<td>Amy T. Makley</td>
<td>Altered sphingosine-1-phosphate and pulmonary endothelial barrier function following exposure to aged red blood cells</td>
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<tr>
<td>Michelle M. Mielke</td>
<td>Plasma ceramides and glucosylceramides predict cognitive decline among cognitively normal Parkinson’s disease patients</td>
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<tr>
<td>Salvatore Molino</td>
<td>Roles of sphingolipid pathway related enzymes in Glioblastoma Multiforme progression and acquired resistance</td>
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<td>Rachel J. Sabol</td>
<td>Linking Obesity With the Development and Progression of Myelodysplastic Syndrome to Acute Myeloid Leukemia</td>
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<td>Fabian Schumacher</td>
<td>The reactivity of (2E)-hexadecenal, a break-down product of sphingosine 1-phosphate, towards cellular nucleophiles</td>
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<tr>
<td>Liana C. Silva</td>
<td>Cisplatin-induced changes on membrane biophysical properties of colon cancer cells: characterization of the initial steps of cisplatin mechanism of action</td>
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<td>Stefka Spassieva</td>
<td>Sphingoid bases and neurotoxicity</td>
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<td>Paul T. Toran</td>
<td>Epigenetics Regulation of mRNA Splicing Influences Sphingolipid Metabolism in Acute Myeloid Leukemia</td>
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<td>Chirstina Voelkel-Johnson</td>
<td>Targeting sphingolipid metabolism with ABC294640 in prostate cancer</td>
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<td>S1P transporter Spns2 Regulates Non-small Cell Lung Cancer Cell Migration</td>
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<td>Marthe-Susanna Wegner</td>
<td>The influence of anti-estrogens on the sphingolipid metabolism in UDP-glucose ceramide glucosyltransferase (UGCG) overexpressing</td>
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<td>Ayan Mohamud Yusuf</td>
<td>Influence of acid sphingomyelinase deficiency on brain damage after mild focal ischemia in mice</td>
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<td>SUNDAY, SEPTEMBER 18</td>
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<td>17:00</td>
<td>Registration Opens</td>
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<td>18:00 – 19:30</td>
<td>Welcome Cocktails</td>
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The Organizers gratefully acknowledge the following institutes, organizations and companies whose generous support has made this workshop possible.