



Environmental Mutagenesis and Genomics Society

Synergistic Interactions for a Better World

Maintaining Genomic Integrity in the Face of Environmental Insult

49TH ANNUAL MEETING | San Antonio, Texas
September 22-26, 2018
Hyatt Regency San Antonio

APPLIED GENETIC TOXICOLOGY

DNA REPAIR AND MUTAGENIC MECHANISMS

ENVIRONMENTAL GENETIC TOXICOLOGY

EPIGENETICS

HERITABLE MUTATION AND DISEASE

MOLECULAR EPIDEMIOLOGY

NEW TECHNOLOGIES

RISK ASSESSMENT

TRANSGENICS AND IN VIVO MUTAGENESIS



EMGS President: Robert W. Sobol | Program Chair: Miriam C. Poirier New
Investigator Co-Chair: Malathi Banda

KEYNOTE SPEAKERS:

Elaine Faustman
University of Washington

Marc Edwards
Virginia Tech University

Douglas Brash
Yale University

Ludmil Alexandrov
University of California San Diego

www.emgs-us.org/am2018

**Environmental Mutagenesis and Genomics Society
2018 Annual Meeting—Sponsorship Opportunities**



We invite corporations and organizations to become a financial sponsor of the Annual Meeting. Sponsorship provides an opportunity for recognition before, during, and after the meeting.

EMGS is the premier North American scientific society with over 47 years of leadership in the area of human health and environmental effects of DNA damaging agents. The 2018 Annual Meeting will bring together scientists engaged in research and policy from academia, industry and government in pursuit of new knowledge of factors that influence genomic instability and its consequences for people and the environment. We emphasize collaboration and synergy that leads to new avenues of investigation and opportunities for growth relevant to your organization.

Sponsorship Benefits	Diamond \$10,000	Platinum \$5000- \$9,999	Gold \$2500-\$4,999	Silver \$1000- \$2,499	Bronze \$500- \$999
Recognition in Printed EMGS Annual Meeting Program	Yes	Yes	Yes	Yes	Yes
Recognized in Signage at EMGS Annual Meeting	Yes	Yes	Yes	Yes	Yes
Recognition on EMGS Annual Meeting Website	Yes	Yes	Yes	Yes	Yes
Sponsor Name Badge for Networking	Yes	Yes	Yes	Yes	Yes
5 Minute Presentation in a supported symposium*	Yes	Yes	Yes		
Complementary Registration	3	1			
Can Provide Promotional Item for Registrants**	Yes	Yes			
Full Page Ad in EMGS Printed Program	Yes				

* First come first served, **With prior approval by Society

Social Media on EMGS Event Site

Recognition on EMGS Event Site	Yes	Yes	Yes	Yes	Yes
Enhance Content with Company Description	500 words and one image	300 words and one image	200 words and one image	125 words	
Enhanced Content such as Video on Event Site	Yes	Yes			

SPONSOR AN EVENT

In addition to the benefits given at the various tiered sponsorship levels, sponsors have the opportunity to select a specific EMGS event to sponsor. Primary Sponsors are the only sponsor of an event. There can be two or more Contributor sponsors of an event. To ensure that you maximize exposure, **confirmation of your support is requested by May 30, 2018.**

Saturday Workshop

Primary Sponsorship	\$5,000
Contributor	\$2,500

President's Welcome Reception and Student and New Investigator Poster Session

(Saturday evening)

Primary Sponsorship	\$6,000
Contributor	\$3,000

Keynote Speaker

Platinum Sponsorship	\$ 5,000
Primary Sponsorship	\$ 2,000
Contributor	\$ 1,000

Faculty/Student/Staff Networking Evening

Primary Sponsorship	\$6,000
Contributor	\$2,500

EMGS Banquet

Primary Sponsorship	\$6,000
Contributor	\$2,500

Hollaendar Award Lecture

Primary Sponsorship	\$2,500
Contributor	\$ 750

EMGS Award Lecture

Primary Sponsorship	\$2,500
Contributor	\$ 750

Symposium

(14 symposia and 9 platform sessions available)

Primary Sponsorship	\$5,000
Contributor	\$2,500

Beverage Break

(Morning and afternoon breaks available most days)

Primary Sponsorship	\$1,500
Contributor	\$ 500

Special Interest Group Meeting

(9 available)

Primary Sponsorship	\$1,500
Contributor	\$ 500

Women in EMGS Luncheon

Primary Sponsorship	\$2,500
Contributor	\$ 750

Student and New Investigator Luncheon

Primary Sponsorship	\$2,500
Contributor	\$ 750

Poster Session Reception

(2 available)

Primary Sponsorship	\$4,000
Contributor	\$2,000

General Sponsor

(Contribution is not for a specific item listed above.)

No specified amount.

Exhibitor Information

Exhibition space is available during the meeting for \$1000.

For more information, contact:

Bob Bevans-Kerr, Executive Director

12627 San Jose Blvd., Suite 202, Jacksonville, FL 32223-9638

BobBK@emgs-us.org

904.289.3410

For more information online, check the EMGS website in November for the most up to date information www.emgs-us.org/am2018

2018 EMGS

Early Life Exposure to Lead and Adverse Health Effects in Children

A Century of Understanding and Preventing Childhood Lead Exposure.

Michael Weitzman

Four Phases of the Flint Water Crisis: Evidence from Blood Levels in Children.

TBD

Early Life Exposure to Lead: Effects on Fetal Growth, Neurodevelopment and the Epigenome.

Robert Wright

Lead Exposure, Risk Assessment and Children's Health Protection.

Ruth Etzel

Cancer: Bad Luck? Bad Environment? Bad Mutations? Or Something Else?

Cancer: Somatic Mutation Theory or Field Cancerization Theory?

Ana Soto

Cancer: Bad Luck or Bad Environment?

Wei Zhu

Epigenetics and Cancer.

Cheryl Walker

Why the Clonal Theory of Tumor Development is Wrong.

Barbara Parsons

The Halifax Project: The Role of Low Concentrations of Commonly Encountered Environmental Chemicals on Carcinogenic Risk.

LeRoy Lowe

Mechanisms of UV-mutagenesis: Where the Rubber Meets the Road During Environmental Carcinogenesis

Regulation of the UV DNA Damage Response in Aged Versus Young Skin.

Michael Kemp

Pathological Activation of Trans Lesion DNA Synthesis During Carcinogenesis.

Cyrus Vaziri

Clastogenic Consequences of Replication Stalling.

William Kaufmann

The Power and Promise of *in vitro* 3D Models for Toxicological Testing

Latest Developments in Genotoxicity Testing in Non-Skin 3D Tissue Models.

Jan van Benthem

Review of the Use of 3D Skin Tissue models for Genotoxicity Testing.

Stefan Pfuhler

Airway Model for Testing Inhaled Particulates, Aerosols, and Gases.

Xuefei Cao

Establishing a Primary Lung Cancer Model to Identify Mutant Subpopulations that Cause Resistance to Molecularly- Targeted Cancer Therapies.

Malathi Banda

2018 EMGS

Adverse Human Health Effects of Diesel Engine Exhaust

Ischemic Heart Disease and Diesel Engine Exhaust.

Sadie Costello

Diesel Engine Exhaust and Lung Cancer Risk.

Michael D. Attfield

Diesel Engine Exhaust and DNA Damage.

Ainsley Weston

Nitrous Oxides and Particulate Materials from Diesel Engine Exhaust.

Daniel K. Carder

Xenobiotic exposures and fetal health

Transplacental Exposure to Air Pollution.

Maria Eugenia Gonsebatt

***In utero* and Genotoxic Effects of Pesticides.**

Elizabeth Rojas-García

Transplacental Effects of Hypercaloric High-Fat Diets.

Patricia Ostrosky

Environmental Exposure, Genotoxicity and Cancer Risk in Whales

A Whale of Tale: Metals and Genotoxicity in Great Whales from a One Health Approach.

John Pierce Wise, Sr

High Rates of Cancers in the Human and the Beluga Whale Populations of Saguenay Lac Saint-Jean, Quebec, both Extensively Exposed to PAHs Exemplify the One Health Concept.

Daniel Martineau

UV-induced Damage and Photoprotection in Whales.

Karina Acevedo-Whitehouse

Mechanism-based Classification of Mixtures to Predict Carcinogenic Potential with a Focus on PAHs: Application in Risk Assessment and Site Remediation

PAH Mixtures Cancer Risk Estimation: Implementing Peer Review Recommendations and Looking Ahead.

Margaret Pratt

***In vitro* Screening to *In vivo* Testing of Polycyclic Aromatic Hydrocarbons at the National Toxicology Program.**

Cynthia Rider

Genetic Toxicity of Complex Mixtures of Polycyclic Aromatic Hydrocarbons: Evaluating Dose-Additivity in a Transgenic Mouse Model.

Alexandra Long

Improving Evaluation of Carcinogenic Risk for Mixtures with Systems Biology Data.

Susan Tilton

Remediation of a PAH-contaminated Former MGP (Manufactured Gas Plant) Site. The Why and the How.

Stephen Pinto

2018 EMGS

Interactions Among Diet, Metabolic Status, and DNA Repair: Impacts on the Genome and Epigenome

Micronutrient Imbalance and Impacts on the Epigenome.

Jaclyn Goodrich

DNA Repair Defects Lead to Metabolic Disease and Obesity.

R. Stephen Lloyd

Obesity Increases the Risk of Both Endogenous and Xenobiotic-Induced Mutagenesis.

Rebecca C. Lichtler

Defining the Spectrum of Human Germline Variability, and Exploring its Environmental Stimulation

The Full Spectrum of Human Germline Mutation.

Charles Lee

Clinical Incidence of Germline Mutations in Humans.

James Lupski

Global Patterns of Germline Mutagenesis in Eukaryotes.

Michael Lynch

Nonclinical Applications of Next-Generation Sequencing for Mutation Detection and Cancer Risk Assessment

Detection of Rare and Subclonal Mutations by Next-Generation Sequencing.

Jesse Salk

Cancer Driver Mutations as Biomarkers of Cancer Risk.

Barbara Parsons

Assessing Mutational Fingerprints for Environmental Exposure Monitoring.

John Essigmann

Quantitative Analysis of Genetic Toxicity Dose-response Data for Risk Assessment and Regulatory Decision-making

Genetic Toxicity as a Bone Fide Toxicological Endpoint for Regulatory Evaluations and Decision Making.

Bob Heflich

Quantitative Dose-Response Analysis for Potency Ranking and Read Across of Genotoxic Substances.

Paul White

Critical Effect Sizes for Genetic Toxicity Endpoints. How Do We Determine How Much Is Too Much?

Andreas Zeller

Human Health Risk Assessment of Genotoxic Carcinogens - Using Genetic Toxicity Data Versus Using Carcinogenicity Data.

Nikolai Chepelev

2018 EMGS

Decline in Sperm Count and Quality: The Role of Genotoxicity and Epigenotoxicity

Declining Sperm Quality and Quantity Around the Globe: Trends and Possible Causes.

Aleksander Giwercman

Influence of Genotoxic Environmental Factors on Sperm Quality.

Don Evenson

The Male Epigenome: Chromatin Modifications and the Impact on Male Fertility and the Next Generation.

Sarah Kimmins

Impacts of Environmental Exposures on Heritable Mutations.

Marc Beal

Controversies and Challenges in Risk Assessment: Examples of Regulatory Decision Making

Regulatory Perspective

Jan van Benthem

Regulatory Perspective

Masamitsu Honma

Regulatory Perspective

Kerry Dearfield

Regulatory Perspective

George Douglas

Regulatory Perspective

Rosalie K. Elespuru

Chromosome Positioning: How the Nuclear Neighborhood Impacts DNA Repair and Gene Expression

Hi-C – Long Range Interactions and Folding Principles of the Human Genome.

Erez Liberman Aiden

Chromatin and DNA Repair.

Gaëlle Legube

Histone Methylation and the DNA Damage Response.

Kyle M. Miller

2018 EMGS

Keynotes

The Flint, MI, Water Crisis

Marc Edwards

Signatures of Mutational Processes in Human Cancers

Ludmil Alexandrov

Why and How Systems Biology is Revolutionizing our Science

Elaine Faustman

How a Carcinogen Works: Skin Cancer from the Ground-state Up

Douglas Brash