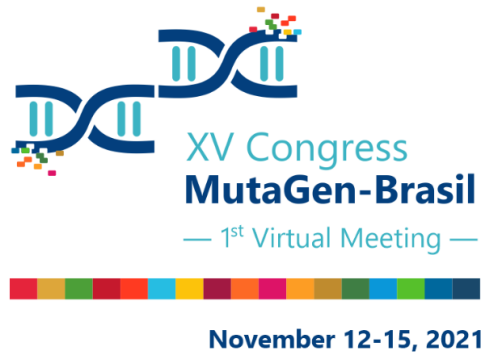




MutaGen 2021: Extending Connections to a Sustainable Planet

PROGRAM:

Friday, November 12, 2021

03:00 PM - Council Meeting

06:30 PM - Opening Session

MutaGen Award: Juliana da Silva -*ULBRA & UniLaSalle*

07:00 PM - Opening Conference

Chair: Leonardo Karam Teixeira - *Instituto Nacional de Câncer (INCA), Brazil*

Dra. Maria Augusta Arruda - *University of Nottingham - England*

08:00 PM - Welcome Meeting

Saturday, November 13, 2021

08:00–09:00 AM: MutaGen School*

1 | Environmental Mutagenesis and Applied Toxicological Genetics

Dr. Daniel Alexandre Morales – *UNICAMP/SP/Brazil*

2 | Oncogenetics

Dra. Roberta Losi Guembarovsk - *UEL/PR/Brazil*

3 | Nutrigenetic/Nutrigenomics

Dr. Diego Luis Ribeiro - *FMRP/USP/Brazil*

Conference 01

11:00 AM – 12:00 PM | “EcoToxChip Project”

Chair: Dr. Cesar Koppe Grisolia - *Universidade de Brasília (UNB), Brazil*

Dr. Markus Hecker - *School of Environment and Sustainability, University of Saskatchewan, Canada*

12:00 – 13:00 PM | Lunch Break

Conference 02

01:00 PM – 02:00 PM | "PPARs as Key Nutritional and Environmental Sensors for Nutrigenomic Adaptations"

Chair: Dra. Silvia Regina Batistuzzo de Medeiros – *Universidade Federal do Rio Grande do Norte (UFRN), Brazil*

Dr. Walter Whali - *Center for Integrative Genomics, University of Lausanne, Switzerland*

Symposium 1

02:00 PM – 04:00 PM | Nutrigenetics/Nutrigenomics

Chair: Dra. Lucia Regina Ribeiro - *Universidade Estadual Paulista (UNESP), Brazil*

“Genotoxic and mutagenic effects of meat-based versus pesco-vegetarian diets: results from the MeatIC Study”

Dra. Lisa Giovannelli - *Dept. Pharmacology, University of Florence, Italy*

“Green, or not to green, that is the question: does a vegetarian diet influence genomic stability and health-related biomarkers?”

Dr. Goran Gajski - *Institute for Medical Research and Occupational Health, Croatia*

Dra. Raquel Alves dos Santos - *Universidade de Franca (UNIFRAN), Brazil*

“Phytochemicals as anticancer agents acting on the impairment of cell proliferation, migration, and invasion in breast cancer cells grown in 2D monolayer and 3D multicellular tumor spheroids”

Dra. Juliana Mara Serpeloni – *Universidade Estadual de Londrina (UEL), Brazil*

Symposium 2

02:00 PM – 04:00 PM | Applied Toxicological Genetics

Chair: Dra. Juliana da Silva - *ULBRA & UniLaSalle, Brazil*

Dr. Stefano Bonassi - *Istituto di Ricovero e Cura a Carattere Scientifico San Raffaele Pisana, Italy*

“Occupational exposure and genotoxicity”

Dra. Juliana da Silva - *ULBRA & UniLaSalle, Brazil*

“Buccal micronucleus cytome assay: how explain the variability observed among healthy Brazilians evaluated in different laboratories?”

Dra. Paula Rohr – *Universidade Luterana do Brasil (ULBRA), Brazil*

"Can natural do any harm? Genotoxicity assessment of traditional medicinal plants"

Dr. Carlos Fernando Araújo Lima de Oliveira - *Universidade Estadual do Rio de Janeiro (UERJ), Brazil*

Symposium 3

02:00 PM – 04:00 PM | Carcinogenesis /Oncogenetics

Chair: Dra. Jenifer Saffi - *Universidade Federal de Ciências da Saúde de Porto Alegre (UFCSPA)*

Dra. Clarissa Ribeiro Reily Rocha - *Universidade Federal de São Paulo (UNIFESP), Brazil*

Dra. Tirzah Braz Petta - *Universidade Federal do Rio Grande do Norte (UFRN), Brazil*

Dr. Paulo D Áuria - *CELLINK Life Sciences, Sweden*

Dra. Hellen Kuasne - *McGill University, Canada*

04:00 PM – 04:15 PM | Coffee Break

04:15 PM | Oral Presentation I

Chair: Dr. Diego Luis Ribeiro- *FMRP/USP/Brazil*

04:15 PM | Open Session - YouTube*

Women in Science

Chair: Dra. Catarina Takahashi – *USP/Brazil*

“Science and me: Challenges and achievements”

Dra. Juliana da Silva - *ULBRA & UniLaSalle, Brazil*

Dra. Maria Augusta Arruda - *University of Nottingham, England*

“Parentalidade na ciência brasileira”

Dra. Rossana Soletti - *UFRGS, Brazil*

04:15 PM | Open Session – YouTube*

Science x Art x Education

Chair: Gisela De Aragão Umbuzeiro – *Universidade Estadual de Campinas (UNICAMP), Brazil*

“Rompendo paradigmas desde a infância”

Israel Felzenszwalb – *Universidade Estadual do Rio de Janeiro (UERJ), Brazil*

“Um retrato dos Biomas Brasileiros”

Antônio Carlos de Freitas - *Universidade Estadual do Rio de Janeiro (UERJ), Brazil*

Giovanna Umbuzeiro – *Epifania livros, São Paulo, Brazil*

06:00 PM – 8:00 PM | Poster Session

Sunday, November 14, 2021

08:00–09:00 AM: MutaGen School*

4 | Epigenetics/Epigenomics

Dra. Natália Yumi Noronha – *FMRP/Brazil*

5 | DNA Repair

Dra. Giovana da Silva Leandro - *ICB-USP/Brazil*

6 | Occupational Risk Assessment

Dra. Emilene Arusievicz Nunes - *Lab. GEnInTox/UNIFESP/Brazil*

Conference 03

11:00 AM – 12:00 PM | “The (R)evolution of Toxicology”

Chair: Dra. Lusânia Maria Greggi Antunes – *Universidade de São Paulo (USP), Brazil*

Dr. Thomas Hartung - *Johns Hopkins Center for Alternative to Animal Testing (CAAT), Baltimore, US, and CAAT-Europe, University of Konstanz, Germany*

12:00 – 13:00 PM | Lunch Break

Conference 04

01:00 PM – 02:00 PM | “Environmental Toxicant Induced Epigenetic Transgenerational Inheritance of Disease: Generational Toxicology”

Chair: Dra. Deborah Arnsdorff Roubicek – *Companhia Ambiental do Estado de São Paulo (CETESB), Brazil*

Dr. Michael K Skinner - *School of Biological Sciences at Washington State University, USA*

Symposium 4

02:00 PM – 04:00 PM | Epigenetics/Epigenomics

Chair: Dra. Ilce Mara de Syllos Cólus - *Universidade Estadual de Londrina, Brazil*

Dr. Wilner Martinez-Lopez - *Clemente Estable Biological Research Institute, Uruguay*

“Circulating cell free miRNA biomarkers as liquid biopsy for diagnosis and prognosis in prostate cancer patients”

Dra. Ilce Mara de Syllos Cólus - *Universidade Estadual de Londrina, Brazil*

“Analyses of total methylation and hydroxymethylation in DNA in the assessment of mechanisms of toxicity”

Dra. Ana Paula Loureiro – *Universidade de São Paulo, Brazil*

“DNA methylation-based biomarker in thyroid câncer”

Dra. Mariana Bisarro dos Reis – *Hospital de Amor de Barretos, Brazil*

Symposium 5

02:00 PM – 04:00 PM | hComet Working Group

Chair: Dra. Vanessa Moraes de Andrade - *Universidade do Extremo Sul Catarinense (UNESC)*

“The comet assay as a human biomonitoring tool (hCOMET)”

Dr. Andrew R Collins - *University of Oslo, Norway*

Dra. Sabine Langie - *Maastricht University, Belgium*

“The enzyme-modified comet assay”

Dra. Amaya Azqueta - *University of Navarra, Spain*

“Suitability of salivary leucocytes as biomatrix for the comet assay in human biomonitoring, and applicability in nanogenotoxicity testing”

Dra. Vanessa Valdiglesias Garcia - *Universidade da Coruña, Spain*

“Collection and storage of human white blood cells for analysis of DNA damage and repair activity using the comet assay in molecular epidemiology studies”

Dr. Peter Møller - *University of Copenhagen, Denmark*

Symposium 6

02:00 PM – 04:00 PM | Environmental Mutagenesis

Chair: Dr. Israel Felzenszwalb – *Universidade Federal de São Paulo (UNIFESP), Brazil*

Dr. Jason O Brien - *National Wildlife Research Centre, Canada*

“Air Pollution and Mutagenesis”

Dr. Israel Felzenszwalb - *Universidade do Estado do Rio de Janeiro (UERJ), Brazil*

“Aerobiology in a global perspective”

Dr. Heitor Evangelista - *Universidade do Estado do Rio de Janeiro (UERJ), Brazil*

“Genetic effects on zebrafish exposed at very low concentrations of aquatic emerging contaminants”

Dr. Cesar Koppe Grisolia – *Universidade de Brasília (UNB), Brazil*

04:00 PM – 04:15 PM | Coffee Break

04:15 PM | Oral Presentation II

Chair: Dr. Carlos Fernando Araújo Lima- *UERJ/ Brazil*

04:15 PM | Open Session - YouTube*

Regulatory Framework Regarding Genotoxicity in Brazil

Chair: Dra. Gisela De Aragão Umbuzeiro – *Universidade Estadual de Campinas (UNICAMP), Brazil*

Dr. Caio Augusto de Almeida - *ANVISA*

“Brazilian regulatory requirements for evaluating the genotoxicity of chemical products intended for different uses”

Dr. Fabio Kummrow – *Universidade Federal de São Paulo (UNIFESP), Brazil*

“The relevance of the mutagenic assessment to the Pharmaceutical Industry”

Dra. Mariah Ultramari - *Spektra*

Symposium 7

04:15 PM – PM | DNA Repair

Chair: Carlos Frederico Martins Menck – *Universidade de São Paulo (USP), Brazil*

“Consequences of DNA damage - Cardiovascular Aging”

Dra. Ingrid van der Pluijm - *Erasmus MC, Netherlands*

“Integrated actions of photobiology and environmental mutagenesis to assess amphibian decline”

Dr. André Passaglia Schuch – *Universidade Federal de Santa Maria, Brazil*

“Would Nek1 be an interesting target in cancer?”

Dra. Dinara Jaqueline Moura – *Universidade Federal de Ciências da Saúde de Porto Alegre (UFCSPA), Brazil*

Dra. Natalia Cestari Moreno - *Universidade de São Paulo, Brazil*

06:00 PM – 8:00 PM | Poster Session

Monday, November 15, 2021

08:00–09:00 AM: MutaGen School*

7 | Systematic Review and Meta-Analysis in Mutagenesis

Dra. Mariana Gobbo Braz – *Universidade Estadual Paulista (UNESP), Brazil*

Dr. Leandro Gobbo Braz - *Universidade Estadual Paulista (UNESP), Brazil*

10:30 AM: Book Release

“From Toxicogenetics to Toxicogenomics” *

Dra. Daisy Maria Favero Salvadori - *Universidade Estadual Paulista (UNESP), Brazil*

Dra. Catarina Satie Takahashi – *Universidade de São Paulo (USP), Brazil*

Dr. Cesar Koppe Grisolia – *Universidade de Brasília (UNB), Brazil*

Dra. Raquel Alves dos Santos – *Universidade de Franca (UNIFRAN), Brazil*

12:00 – 13:00 PM | Lunch Break

Conference 05

01:00 PM – 12:00 PM | “DNA Damage Response & Genomic Instability”

Chair: Dr. Nicolas Carlos Hoch - *Universidade de São Paulo (USP), Brazil*

“Charting the landscape of the DNA damage response with functional genomics”

Dr. Daniel Durocher - *The Lunenfeld -Tanenbaum Research Institute, Toronto, Canada*

Symposium 8

02:00 PM – 04:00 PM | Genomic Instability

Chair: Dr. Francisco Meirelles Bastos de Oliveira – *Universidade Federal do Rio de Janeiro (UFRJ), Brazil*

Dra. Vanesa Gottifredi - *Fundación Instituto Leloir, Argentina*

“Single-stranded DNA gaps in replication stress response”

Dra. Annabel Quinet - *Washington University School of Medicine in Saint Louis, USA*

Dr. Jeziel Dener Damasceno - *University of Glasgow, Scotland*

“Telomere biology in head and neck cancers (HNC) as a biomarker for early diagnosis”

Dra. Vivian Kahl - *Queensland University of Technology - Australia*

Symposium 9

02:00 PM – 04:00 PM | Occupational Risk Assessment and Public Health

Chair: Dra. Viviane Souza do Amaral – *Universidade Federal do Rio Grande do Norte (UFRN), Brazil*

“A new model for assessing cancer risks associated with air pollution mixtures”

Dr. Kristian Dreij – *Karolinska Institutet, Sweden*

“Human Exposure to Occupational Contaminants and Its Health Implications: the case of formaldehyde a known carcinogen”

Dr. João Paulo Teixeira – *Universidade do Porto, Portugal*

“Interaction between polymorphism and epigenetic status of MT2A gene is able to modulate Pb body burden and metal-induced toxicity, in exposed workers”

Dr. Gustavo Barcelos – *Universidade Federal de São Paulo (UNIFESP), Brazil*

“Occupational exposure to inhalational anesthetics: and overview on toxicity impact”

Dra. Mariana Gobbo Braz – *Universidade Estadual Paulista (UNESP), Brazil*

Symposium 10

02:00 PM – 04:00 PM | Toxicogenetics/Toxicogenomics and Bioinformatics

Chair: Dra. Elza Tiemi Sakamoto Hojo - *Universidade de São Paulo (USP), Brazil*

Dra. Silvia Regina Rogatto - *University of Southern, Denmark*

“Toxicogenomic activity of environmental contaminants: a risk for human health”

Dra. Daisy Maria Favero Salvadori - *Universidade Estadual Paulista (UNESP), Brazil*

“A genomic view of DNA repair mechanisms in different industrial yeast species”

Dr. Diego Bonatto – *Universidade Federal do Rio Grande do Sul (UFRGS), Brazil*

“Transcriptional changes of single cells in response to anti-cancer therapies”

Dr. Alexandre Ferro Aissa - *University of Illinois, EUA*

04:00 PM – 04:30 PM | Coffee Break

04:30 PM | Closing Ceremony/Awards Session

05:00 PM | MutaGen-Brasil General Assembly

**in Portuguese*