



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*

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*

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

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

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*

Dra. Juliana da Silva, Dra. Maria Augusta Arruda, Dra. Rossana Soletti

04:15 PM | Open Session – YouTube*

Science x Art x Education

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

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

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 Gregg 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*

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*

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

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

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

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

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

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

Dra. Mariah Ultramari - Spektra

Symposium 7

04:15 PM – PM | DNA Repair

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

Dra. Ingrid van der Pluijm - Erasmus MC, Netherlands

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

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”

Dr. 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*

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

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*