

| TIME | FRIDAY, August 24th | |
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| | ROOM 1 (180 seats) | ROOM 2 (80 seats) |
| 12:30 | 4. Assessment of skin sensitizing potential of UV-filters by a novel in vitro method based on DPRA. Lorena Rigo Gaspar (USP, SP). | 4. Validation of an in vitro assay for the detection of residual viable rabies virus in inactivated rabies vaccines. Beatriz Lourenco Correia Moreira (Instituto de Tecnologia do Paraná – TECPAR, PR). |
| 12:50 | 5. Use of the Caenorhabditis elegans as an alternative model for evaluating the allergen potential of skin sensitizers. Camila Braggion (UNIFESP, SP). | 5. Butantan experience on the in vitro alternatives for hyperimmune sera analysis: safety and potency tests. Eliana Blini Marengo (Instituto Butantan, SP). |
| 13:10 | lunch | |
| | Section XIII – Agrochemicals – Alternative Methods Approach . Chair: Karen Cazarin (BASF). | Section XIV - New strategies for Efficacy and Safety in Cosmetics. José Mauro Granjeiro (INMETRO, RJ). |
| 14:10 | 1. US/Canada approach on alternative method. Angela Hofstra (Syngenta, USA). | 1. Human organotypic skin explant culture (hosec): an alternative method for tropical diseases and cosmetic. Marco Andrey Cipriani Frade (HCFMRP-USP). |
| 14:20 | 2. Industry approach on alternative methods- Andef Task Force – Andreia Latorre (Bayer Cropscience). | 2. Gene expression screening to identify activation profiles in skin after exposition to cosmetic ingredients. Daniela Zimbardi (Natura, SP). |
| 14:30 | 3. Skin irritation studies for agrochemicals registration: Comparison of in vitro and in vivo results. Diogo Zoltay Alvez (Mérieux NutriScience / Bioagri Laboratórios). | 3. Ex vivo skin model: an alternative tool for efficacy assessment. Michelle Sabrina da Silva (Kosmoscience Group). |
| 14:50 | 4. Open Microphone. | 4. An Integrated Testing Strategy for in vitro Skin Corrosion and Irritation Assessment using SkinEthic Reconstructed Human Epidermis. Nathalie Alepee (L'OREAL, France). |
| 15:30 | coffee and poster session | |
| | Section XV - Alternative Methods initiatives in South America. Chair: Luciene Ballotin (INMETRO, RJ). | Section XVI – Other perspectives for Alternatives. Chair: Humberto de Mello Brandão (Embrapa, MG). |
| 16:00 | 1. Premasul, the MERCOSUL's Platform for Alternative Methods. Luciene Ballotin (INMETRO). | 1. Hydra, a freshwater cnidarian, offers great potential as an alternative model organism for chemical risk assessment. Mohammad A. Akbarsha (Bharathidasan University, India). |
| 16:20 | 2. Alternative methods in Argentina: regulation, legislation and capacities for the incorporation of new methodologies. Maria Laura Gutierrez (Institute of Pharmacology, University of Buenos Aires). | 2. Novel strategies for 3D cell culture & developmental tissue engineering. Leandra Baptista (INMETRO-UFRJ). |
| 16:40 | 3. Development of national capacities for the implementation of alternative methods: a new challenge in Uruguay. Mariela Bollati-Fogolin. Institut Pasteur de Montevideo. | 3. New opacitometer for eye irritation to (OECD GT 437). Humberto de Mello Brandão (Embrapa, MG). |
| 17:00 | 4. Get 2 for 1: A dual reporter cell line for simultaneous detection of substances with estrogenic and/or androgenic activity. Romina Pagotto. Institut Pasteur de Montevideo. | 4. Zebrafish early-life stage as a refinement to predict acute oral toxicity. Lara Barroso Brito (UFG, Brazil). |
| 17:20 | Plenary Lecture Charu Chandrasekera (University of Windsor, Canada) | |
| 18:00 | Closing Ceremony – Poster Premium | |

Steering Committee



University of Windsor

Sponsors



2nd PAN-AMERICAN Conference for Alternative Methods

August 23-24, 2018
Rio de Janeiro

Hotel Windsor Florida (Casarão)

Rua Ferreira Viana, 81
Flamengo, Rio de Janeiro.

PROGRAM

PROGRAM



August 23-24, 2018
Rio de Janeiro

Steering Committee



University of Windsor

WEDNESDAY, August 22nd

Local: Auditório I do Centro Brasileiro de Pesquisas Físicas (CBPF).
R. Dr. Xavier Sigaud, 150 - Urca, Rio de Janeiro - RJ, 22290-180.

Pre-meetings

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|-------|--|
| 10:00 | "Mini-course: Micronucleos in vitro: Applications and Challenges". Dra. Izabel Villela (Inn VITRO P&D, Brazil). |
| | Free mini-course open to participants of 2nd Pan-American. Local: Centro Brasileiro de Pesquisas Físicas (CBPF) - Auditório I - The course will be in Portuguese. |
| 13:00 | lunch |
| 14:00 | In vitro meeting – under invitation. Centro Brasileiro de Pesquisas Físicas (CBPF) - Auditório I. |

THURSDAY, August 23rd

ROOM 1 (180 seats) ROOM 2 (80 seats)

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| 08:00 | Reception / Badge | |
| 08:40 | Opening Welcome | |
| 09:00 | Opening Lecture – Thomas Hartung (CAAT – Johns Hopkins, USA) | |
| | Section I – Alternatives models for lung and skin. Chair: Silvia Stuchi (USP). | Section II – Round Table – Humane Education encouragement policies in Latin America. Chair: Róber Bachinski (IR Institute). |
| 09:40 | 1. Pre-Validation of an Acute Inhalation Toxicity Assay Using the EpiAirway In Vitro Human Airway Model. Patrick Hayden (MatTek Corp). | 1. Róber Bachinski (IR Institute). |
| 10:00 | 2. A stochastic clonal selection for modeling intra tumor heterogeneity in human melanoma and clinical implications. Larissa A Carvalho (USP, SP). | 2. Vanessa Bones (CRMV, PR – CONCEA Councillier). |
| 10:20 | 3. Potential use of skin bioprinting on cosmetics. Juliana Lago (Natura). | 3. Thales Tréz (UNIFAL, MG). |
| 10:40 | 4. Development of 3D bioprinted Reconstructed Skin models using native and non-native bioinks. Carolina Motter Catarino (Rensselaer Polytechnic Institute). | 4. Rita Leal Paixão (UFF, RJ). |
| 11:00 | coffee and poster session | |
| | Section III – In silico and Computational Toxicology. Chair: Thomas Hartung. | Section IV – Round Table – The development of new humane teaching methods. Chair: Nick Jukes (InterNiche). |

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| | ROOM 1 (180 seats) | ROOM 2 (80 seats) |
| 11:30 | 1. A Defined Approach to Skin Sensitisation: Integrating Derek Nexus with In Chemo/In Vitro Assays Based on Exclusion Criteria. Donna S. Macmillan (Lhasa Limited, Leeds, UK). | 1. Nick Jukes (InterNICHE). |
| 11:50 | 2. Challenges and opportunities for using AOP-based in silico models in regulatory contexts. Carlos Eduardo dos Santos, Alttox. | 2. Simone Tostes (UFPR, PR). |
| 12:10 | 3. Best practices to develop artificial intelligence models for predicting multilevel effects in Adverse Outcome Pathways (AOP). Rodolpho C. Braga, Alttox. | 3. Gutemberg Alves (UFF, RJ). |
| 12:30 | 4. Modeling the Complex Relationships Between Chemical Properties, Adaptive Response, and Oxidative Stress. Fjodor Melnikov (Yale University, USA). | 4. Maria Yanneth Torres Chaparro (UCC, Colômbia). 5. Julia Maria Matera (USP, SP). |
| 12:50 | 5. Green Toxicology: Using big data on little chemicals to guide safe design. Alexandra Maertens (CAAT, Johns Hopkins, USA). | 6. Myocutaneous simulator for teaching suture and reconstructive surgery. Matheus Cruz (UFPR, PR). |
| 13:00 | lunch | |
| | Section V – Cosmetics and Fragrances: Progress and Challenges for the Future. Chair: Vanessa Rocha (Natura, SP). | Section VI – Animal protection and science advance. Chair: Norma Labarthe (FIOCRUZ, Brasil). |
| 14:10 | 1. Safety assessment of cosmetics with no animal testing. Vanessa Rocha (Natura). | 1. Advancing Science Without Suffering in Brazil. Helder Constantino (Humane Society International, Brazil). |
| 14:30 | 2. Intensifying alternative methods for the application in the development of cosmetic projects. Marcio Lorencini (Boticário, PR). | 2. A new definition for animal-free testing. Replacing animal-derived components in regulatory in vitro methods. Carol Treasure (XCellR8, USA). |
| 14:50 | 3. Implementation, availability and regulatory status of an OECD accepted Reconstructed Human Epidermis model in Brazil. Rodrigo De Vecchi (L'OREAL, RJ). | 3. Implementation needs on alternative methods in Brasil: An animal protection perspective. Norma Labarthe (FIOCRUZ, RJ). |
| 15:10 | 4. How the fragrance industry engages in alternatives for animal testing. Matthias Vey (IFRA, Belgium). | 4. Round table and open microphone. |
| 15:30 | coffee and poster session | |
| | Section VII – Mini brains, Sensory Neurons and applications. Chair: Stevens Kastrop Rehen – UFRJ. | Section VIII – Legislation and Validation Centers. Chair: José Mauro Granjeiro (INMETRO/UFF) and Charu Chandrasekera (Canadian Center of Alternative Methods). |
| 16:00 | 1. New insights about brain development using stem cells and organoids. Stevens Rehen. (UFRJ/IDOR, RJ). | 1. CONCEA Normatives and perspectives for 2019 and 2021 deadlines. Monica Andersen (CONCEA). |
| 16:20 | 2. The application of Brain organoids to investigate CNS diseases and test drugs. Patrícia Braga (USP,SP). | 2. Contribution of BRACVAM and Validations on going. Octavio Presgrave (INCQS, RJ). |

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| 16:40 | 3. Potential applications of hiPSC-derived Peripheral Sensory Neurons in vitro models. Marília P. Guimarães Zaluar (UFRJ/IDOR). | 3. New Canadian Center of Alternative Methods: Vision and Contribution. Charu Chandrasekera (CCAM, Canada). |
| 17:00 | 4. A high content screening platform to evaluate viral infection in human brain cells. Karina Karmirian (iDor). | 4. Round table and open Microphone. |
| 17:20 | Plenary Lecture Jose Granjeiro (INMETRO, RJ) | |
| 18:00 | Get Together | |

FRIDAY, August 24th

ROOM 1 (180 seats) ROOM 2 (80 seats)

| | | |
|-------|--|--|
| 09:00 | Plenary Lecture Vanessa Rocha (Natura, Brazil) | |
| | Section IX – Human on a chip technology – Chair: Talita Marin (LNBIO, SP). | Section X – 3D Tissue Equivalents: Skin and Eye. Chair: Thomas Hartung. |
| 09:40 | 1. Human on a Chip Systems as a Better Alternative to Determining Toxicity and Efficacy of Compounds Than Animal – James J. Hickman (University of Central Florida). | 1. Interlaboratory comparison of OECD TG 439 in Brazil. Luciene Ballotin (INMETRO). |
| 10:00 | 2. Human on a chip platform for sensitizer. Eduardo Pagani (CNPEN/LNBIO, SP). | 2. Animal-free safety assessment for children's articles: the first successful implementation of Reconstructed Human Epidermis (RhE) model as an in vitro test for regulatory purposes in Brazil, Fabiana Medeiros (Biosintesis Laboratory). |
| 10:20 | 3. Microphysiological Systems (MPS): principles and applications to health science research. Talita M Marin (CNPEN/LNBio). | 3. EpiOcular Eye Irritation Test (EpiOcular-EIT) for identification of materials not requiring classification and labeling for eye irritation or serious eye damage. Patrick Hayden (Mattek, USA). |
| 10:40 | 4. Implementation of human models on a chip: challenges and solutions. Margaret Magdesian (Ananda Devices, Canada). | 4. Corneal epithelium biomimetic model for eye toxicity testing to support innovation in Brazil. Artur CG da Silva (UFGO, GO). |
| 11:00 | coffee and poster session | |
| | Section XI – Skin Sensitization: Are we ready for replacement? Chair: Marize Campos (UFG, GO). | Section XII – Vaccines: Making difference on reduction. Chair: Patrícia dos Santos Carneiro (Instituto Butantan , SP). |
| 11:30 | 1. Implementation and Validation of Keratinosens, DPRA and HCLAT, Brazilian experience. Marize Campos (UFG, GO). | 1. Alternative methods insertion into the QC lab routine: status and challenges. Patrícia dos Santos Carneiro (Instituto Butantan , SP). |
| 11:50 | 2. The GARD assay for skin sensitization testing – validation, predictive performance and applicability for cosmetic ingredients. Andy Forreryd (Senzagen, Sweden). | 2. Safety tests: MAT for Yellow-fever and meningococcal vaccines. Alessandra Santos Almeida (Biomanguinhos/Fiocruz, RJ). |
| 12:10 | 3. U-SENS, and OECD method, considered in a Non-Animal approach for predicting skin sensitization. Nathalie Alépée (L'Oréal Research and Innovation, France). | 3. In vitro alternatives for the in vivo rabies vaccine potency. Wlamir Correa de Moura (INCQS, RJ). |