

# Accepted abstracts for Poster Presentation

Corresponding author	email	Organization	Abstract Title	Abstract Number
<b>Alessandra Melo de Aguiar</b>	alessandra.aguiar@fiocruz.br	Instituto Carlos Chagas - FIOCRUZ-PR	THE USE OF HUMAN ADIPOSE-DERIVED STEM CELLS FOR TOXICITY PREDICTION BASED ON INHIBITION OF ADIPOGENESIS IN VITRO	25
<b>Alexandra Maertens</b>	amaerte1@jhu.edu	Johns Hopkins Bloomberg School of Public Health	Regulatory Acceptance of Read Across	14
<b>Ana Beatriz de Sousa Vieira</b>	anabeatrizsousavieira@gmail.com	Instituto Nacional de Metrologia, Tecnologia e Qualidade (Inmetro)	In silico Search of a Specific Inhibitor for Alternative Treatment Leishmaniasis	56
<b>Andreia da Silva Fernandes</b>	andreiadasilvaf@gmail.com	University of the State of Rio de Janeiro	A DNA-dosimetry method for determining the photoprotective efficacy of dermatological formulations containing the Antarctic moss <i>Sanionia uncinata</i>	71
<b>Andrezza Di Pietro Micali Canavez</b>	andrezza@grupoboticario.com.br	Grupo Boticario	SAFETY ASSESSMENT OF COSMETIC PRESERVATIVES	61
<b>Ariane Caroline Campos Paschoal</b>	arianepaschoal@hotmail.com	Instituto Carlos Chagas - FIOCRUZ/PR	Nanotoxicity of silver nanoparticles from biological synthesis	113
<b>Aura Rocío Hernández</b>	arhernandezc@unal.edu.co	Universidad Nacional de Colombia- Sede Bogotá, Facultad de Ciencias, Departamento de Farmacia. Grupo de Investigación en procesos de transformación de materiales para la industria farmacéutica	Electrical properties from an ex vivo pigskin tissue: A new approach to study the effect of UV radiation	21
<b>Bianca Marigliani</b>	biancamagli@hotmail.com	Post Graduate Program in Biotechnology, Federal University of São Paulo (UNIFESP), São José dos Campos, SP, Brazil	ADAPTATION OF THP-1 CELLS TO SERUM-FREE MEDIA: ONE STEP TOWARDS MAKING THE H-CLAT FULLY CRUELTY FREE	20
<b>Caio Bulgarelli</b>	cbulgarelli@live.com	Instituto de Metrologia, Qualidade e Tecnologia - Inmetro	ASADrug: In Silico Approach to Drug Design	40
<b>Carla Forte Maiolino Molento</b>	carlamolento@ufpr.br	Animal Welfare Laboratory of the Federal University of Paraná (LABEA/UFPR)	Factors related to neglect events to laboratory animals in Brazil and possibilities for their prevention	48
<b>Carlos Eduardo Matos dos Santos</b>	carlos@altox.com.br	Altox Ltda	Comparison between individual models and integration of in silico methodologies to assess genotoxicity of some drug impurities	70

<b>Carolina Motter Catarino</b>	catarc@rpi.edu	Rensselaer Polytechnic Institute	Skin corrosion test: a comparison between reconstructed human epidermis and full thickness skin models	90
<b>Daniela Zimbardi</b>	danielazimbardi@natura.net	Natura Inovação e Tec. Prod. Ltda	Gene expression screening to identify activation profiles of sensitizing pathways in skin after exposition to cosmetic ingredients	96
<b>Desirée Cigaran Schuck</b>	desirees@grupoboticário.com.br	Grupo Boticário	Neopapila for hair care ingredients evaluation: efficacy model.	81
<b>DIEGO HENRIQUE SILVESTRE</b>	DIEGO HENRIQUE SILVESTRE	UFRJ	IN SILICO SEARCH FOR POSSIBLE SKELETAL MUSCLE RECEPTOR TO QUERCETIN	76
<b>Eliana Blini Marengo</b>	eliana.marengo@butantan.gov.br	Butantan Institute	Reduction of animals in safety Quality Control test of hyperimmune sera	133
<b>Eliana Blini Marengo</b>	eliana.marengo@butantan.gov.br	Butantan Institute	Tetanus and diphtheria combined vaccine in vitro potency analysis – replacement of animal testing by ToBI test	134
<b>Eliane Blanco Nunes</b>	ebnunes@gmail.com	Federal University of Goiás	Mutagenicity, Cytotoxicity and Carcinogenicity Evaluation of Synthetic ChloroChalcone Derivative (CLF) using Drosophila melanogaster	66
<b>Elyse Parchmont</b>	ecparchm@texaschildrens.org	Texas Children's Hospital - Baylor College of Medicine	The Three R's of Research: Utilization of Modern Alternative Research Methods	87
<b>Elyse Parchmont</b>	ecparchm@texaschildrens.org	Baylor College of Medicine - Texas Childrens Hospital	The 3Rs of Research - Utilization of Modern Research Methods	104
<b>Emily Marques dos Reis</b>	emily_reis@intelab.ufsc.br	UFSC/BioCellTis	BNC-BASED PLATFORM FOR TUMOR GROWTH MODELS	105
<b>Emily R. Trunnell, Ph.D.</b>	emilyt@peta.org	People for the Ethical Treatment of Animals	Modernizing Biomedical Research and Regulatory Policies to Advance Human Health	116
<b>Eugene Demchuk</b>	edemchuk@cdc.gov	Agency for Toxic Substances and Disease Registry	Prioritization of Chemicals for Chronic Toxicity Testing using a Global QSAR LOAEL Model	11
<b>Fernanda Naomi Tanji</b>	Fernanda Naomi Tanji	Federal University of Paraná	Urinary tract displays for physiological function and disease comprehension	34
<b>Fernando Limoeiro Lara de Oliveira</b>	fil.oliveira.c2@gmail.com	INMETRO	AGNINetwork: Deep Neural Networks as alternative methods for Drug Design Screenings. Study case of HIV-1 Protease substrate recognition.	60
<b>Gabriela de Fatima da Silva Soares</b>	gabissoares1@gmail.com	Federal University of São Paulo	Standardization of "in vitro" production of monoclonal antibody.	72
<b>Gabriela Göethel</b>	goethel_63@hotmail.com	UFRGS	CHRONIC TOXICITY OF BENZO(B)FLUORANTHENE IN Caenorhabditis elegans	97
<b>Geonildo Rodrigo Disner</b>	disner.rodrigo@gmail.com	Universidade Federal do Paraná	NANOMATERIALS GENOTOXIC MODE OF ACTION THROUGH THE IN VITRO COMET ASSAY	15
<b>Graziela de Paula Ferreira Dantas</b>	grazidepaula@yahoo.com.br	Federal University of Minas Gerais	Cytotoxicity and Genotoxicity of multiple-walled carbon nanotubes functionalized with polyethylene glycol	130
<b>Handressa P. Fêu-Laviola</b>	handressafeu@gmail.com	INMETRO	Development of a Computer Tool to Assist in Adherence to Good Laboratory Practices for the Management of Test Systems Using Animal Cells	54

<b>Helena Baggio Soares</b>	mvhelenabaggio@gmail.com	Federal University of Paraná (UFPR)	Photographic images and oral cavity molds for use in non-human primate veterinary dentistry	63
<b>Helena Baggio Soares</b>	mvhelenabaggio@gmail.com	Federal University of Paraná (UFPR)	Skulls and dental molds of rodents in exotic animal dentistry education	64
<b>Holly Rodrigues</b>	olisim@hotmail.com	Avantis Faculty, Balneário Camboriú, Santa Catarina, Brazil	Methods substitutive to the use of animals practiced in the Veterinary Medicine course of the regional university of Blumenau - FURB: perception and evaluation of the graduates	24
<b>Humberto de Mello Brandão</b>	humaberto.brandao@embrapa.br	Embrapa Gado de Leite	Development of a new opacitometer prototype to improve the scope of the BCOP assay	128
<b>Humberto de Mello Brandão</b>	humberto.brandao@embrapa.br	Embrapa Gado de Leite	Perspective of the inclusion of ketamine/xylazine in the HET-CAM test protocol.	129
<b>Isidoris Rodrigues de Souza</b>	isisrsdoris@gmail.com	Federal University of Paraná - UFPR	An in vitro hepatospheroid model for detecting genotoxicants	8
<b>Izadora de Souza</b>	izadoradesouza@yahoo.com.br	School of Pharmaceutical Sciences of Ribeirão Preto, University of São Paulo	PHOTOTOXICITY POTENTIAL AND PHOTOSTABILITY OF AÇAÍ SEEDS EXTRACTS AS A SUNSCREEN INGREDIENT	120
<b>Janaína Spoladore</b>	janspoladore@gmail.com	Universidade Federal Fluminense	Standardized pyrogen testing of health products with LAL (limulus ameocyte lysate) as a substitute to rabbit pyrogen testing: A systematic review	94
<b>Janaína Spoladore</b>	janspoladore@gmail.com	Universidade Federal Fluminense	Interference of hydroxyapatite in the pyrogen test for biomaterials through the monocyte activation test	95
<b>Janaína Spoladore</b>	janspoladore@gmail.com	Universidade Federal Fluminense	Interference of hydroxyapatite in the pyrogen test for biomaterials through the monocyte activation test	119
<b>Jéssica Dornelas da Silva</b>	jdornelas@cbpf.br	Brazilian Center of Physics Research	In vitro assessment of the biological effects of zinc-containing nanostructured biomaterials for therapeutic applications.	127
<b>Joana Lobato Barbosa</b>	jolbarbosa@gmail.com	Universidade Federal de Minas Gerais	Production of an artificial skin substitute using tissue engineering principles to be used for toxicological tests in vitro	67
<b>Josemar Vinicius Maiorm Abreu Silva</b>	josmar.maiorm@outlook.com	National Institute of Metrology, Quality and Metrology - Inmetro	The use of OECD TG 432 to evaluate the phototoxicity of non-nanometric and nanometric particles of zinc oxide	122
<b>Josemar Vinicius Maiorm Abreu Silva</b>	josmar.maiorm@outlook.com	National Institute of Metrology, Quality and Technology - Inmetro	The use of OECD TG 432 to evaluate the phototoxicity of non-nanometric and nanometric particles of zinc oxide	123
<b>Juliana Carvalhães Lago</b>	julianalago@natura.net	Natura Inovação e Tecnologia de Produtos Ltda	The influence of UVA protection on skin during sun exposure	98
<b>Juliana Lott de Carvalho</b>	julianalott@gmail.com	Universidade Católica de Brasília	Induction of cellular senescence in vitro: a step towards animal-free research of human aging	74
<b>Juliana Lott de Carvalho</b>	juliana@oneskintech.com	OneSkin Technologies	Characterization of human aged 2d and 3d skin models, and application for the identification of novel senotherapeutics: a comparison with retinoic acid	75

<b>KARYNN VIEIRA CAPILE</b>	karynn.capile@gmail.com	Federal Fluminense University	Outcomes of a workshop on alternative models for veterinary training in Brazil	32
<b>Larissa Camila Ribeiro de Souza</b>	issafarma@hotmail.com	UFMG	Evaluation of the safety of immunogenic calixarenes for the treatment of cocaine dependence in in vitro and in vivo models	12
<b>Larissa Cleres Moreira</b>	larissacleresm@gmail.com	Federal University of Goiás	Development and characterization of ethosomes containing octadecenedioic acid (ODA) applied for whitening cosmetic products	62
<b>Leandra Santos Baptista</b>	leandra.baptista@gmail.com	National Institute of Metrology, Quality and Technology	Using human adipose stem cells spheroids as novel approach for assessment of silver chloride nanoparticles chronic exposure	101
<b>Leandra Santos Baptista</b>	leandra.baptista@gmail.com	INMETRO	Human Adipose Stem/Stromal Cell Spheroids as a Model of Osteogenesis	102
<b>Lidiane de Jesus Silva</b>	lidi.silva@gmail.com	Universidade Federal do Paraná - UFPR	Design and validation of a simulator for feline cephalic vein cannulation	30
<b>LIU Zheng-tao</b>	liuzt@craes.org.cn	Chinese Research Academy of Environmental Sciences	Study of Ecotoxicological Effect and Soil Environmental Criteria of heavy metal Lead in China	83
<b>Lorena de Oliveira Neves</b>	llorenneves@hotmail.com	Universidade Católica de Petrópolis	Using Polyvinylpyrrolidone (PVP) as an alternative to animal inputs in the Western blotting protocol	131
<b>Lorena Rigo Gaspar</b>	lorena@fcfrp.usp.br	University of Sao Paulo - School of Pharmaceutical Sciences of Ribeirao Preto	Assessment of skin sensitizing potential of UV-filters by a novel in vitro method based on DPRA	93
<b>LUCIANA PINTO SARTORI</b>	lpsartori@hotmail.com	Centro Universitário São Camilo/SP	Evaluation of the replacement of animal cadavers by 3D software in anatomical education	27
<b>LUCIANA PINTO SARTORI</b>	lpsartori@hotmail.com	Centro Universitário São Camilo/SP	Reuse of testudines shells as didactic-scientific material	36
<b>LUCIANA PINTO SARTORI</b>	lpsartori@hotmail.com	Centro Universitário São Camilo/SP	Use of exotic turtle (Trachemys scripta elegans) as bioindicator of trace elements from the urban area of São Paulo	38
<b>Luciene Bottentuit López Balottin</b>	lbbalottin@inmetro.gov.br	National Institute of Metrology, Quality and Technology - Inmetro	The use of OECD TG 432 to evaluate de phototoxicity of non-nanometric and nanometric particles of zinc oxide	124
<b>Luths Raquel de Oliveira Geaquinto</b>	luthsgeaquinto@gmail.com	INMETRO, Rio de Janeiro, Brasil	The use of metrology in the alternative method of skin absorption (OECD TG N° 428)	92
<b>Maria Augusta Amaral Campos</b>	guttaa18@yahoo.com.br	Laboratório de Toxicologia Experimental, Departamento de Análises Clínicas e Toxicológicas, Faculdade de Farmácia Universidade Federal de Minas Gerais, Belo Horizonte, Minas Gerais, Brasil	In vitro evaluation of biomarkers of nephrotoxicity through gene expression using gentamicin	9

<b>Maria Fernanda Ribeiro Dias</b>	marfedias@gmail.com	INMETRO	Machine Learning assisted Virtual Screening: the quest for enzyme inhibitors search and Protein information association.	52
<b>Maria Júlia Tasso</b>	mjuliataссо@hotmail.com	University of Sao Paulo	HepG2 cells cultured in a three-dimensional (3D) environment prove to be more resistant to the autophagic process induced by BDE-153.	126
<b>Maria Laura Gutierrez</b>	laurabiologa@gmail.com	CONICET - UBA	Comparison between three score systems using HET-CAM method and in vivo eye irritation evaluation for cosmetics products in Argentina	43
<b>Marianna Cavalheiro</b>	Marianna Cavalheiro	Instituto Nacional de Metrologia, Qualidade e Tecnologia (Inmetro); Universidade Federal do Rio de Janeiro (UFRJ)	Development of an alternative method candidate: Human alveolar tissue model for toxicological analysis of TiO2 nanoparticles.	99
<b>Mario Lettieri Teixeira</b>	mario.teixeira@ifc.edu.br	Instituto Federal Catarinense, Campus Concordia	Use of an ex vivo model to determine the dermal toxicity of imidazole salts	110
<b>Mario Lettieri Teixeira</b>	mario.teixeira@ifc.edu.br	Instituto Federal Catarinense, Campus Concordia	Investigation of the cytotoxicity of leaf and stem extract of the plant Baccharis coridifolia	111
<b>Mario Lettieri Teixeira</b>	mario.teixeira@ifc.edu.br	Instituto Federal Catarinense, Campus Concordia	Use of an ex vivo model to determine the dermal toxicity of imidazole salts	112
<b>Mário Lettieri Teixeira</b>	mario.teixeira@ifc.edu.br	Instituto Federal Catarinense, Campus Concordia	Use of in vivo model to determine antibacterial activity	114
<b>Marize Campos Valadares</b>	marizeufg@gmail.com	Federal University of Goiás	Corneal epithelium biomimetic model for eye toxicity testing to support innovation in Brazil	135
<b>Matheus Barbosa Gomes Cruz</b>	mbgcruz@gmail.com	Federal University of Paraná	A dog spinal cord simulator for study of spinal lesions	28
<b>Matheus Barbosa Gomes Cruz</b>	mbgcruz@gmail.com	Federal University of Paraná	Synthetic model for feline orchietomy training	29
<b>Michele Munk Pereira</b>	mimunkbio@gmail.com	Não	Titanium dioxide nanoparticles increase the proliferation cells and micronucleus frequency in Chinese hamster ovary cells	118
<b>Mohammad A. Akbarsha</b>	rc@nct.ac.in	MGDC, Bharathidasan University, Tiruchirapalli, India / National College (Autonomous), Tiruchirappalli, India	A success story of University-Industry collaboration towards popularization of 3D models for cosmetics testing in India	58
<b>Mohanan PV</b>	mohanpv10@gmail.com	Toxicology Division, Biomedical Technology Wing Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram 695 012, Kerala, India	Mesenchymal stem cells as an alternative test system for assessing the molecular toxicity	19
<b>Nathalia de Carvalho Indolfo</b>	nathalia.indolfo@lnbio.cnpem.br	LNBio	Disseminating OECD TG 491 and OECD TG 492 tests in Brazil	41

<b>Nathalia de Carvalho Indolfo</b>	nathalia.indolfo@lnbio.cnpem.br	LNBio, CNPEM	Evaluation of the Cytotoxicity Effects on the in vitro Corneal Model by the Tetrazolium Reduction (MTT) or by Multiparametric High Content Analyses Assays - A Comparative OECD TG 491-STE Based Study.	42
<b>Nathalia de Carvalho Indolfo</b>	nathalia.indolfo@lnbio.cnpem.br	LNBio/CNPEM	Long-term survival of spontaneously beating cardiomyocyte spheroids a 2-Organ-Chip (2-OC) platform	44
<b>Nathalia de Carvalho Indolfo</b>	nathalia.indolfo@lnbio.cnpem.br	LNBio/CNPEM	Acetaminophen absorption and metabolism in an intestine/liver microphysiological system	45
<b>Patrick Hayden</b>	phayden@mattek.com	MatTek Corp	Use of In Vitro Human Intestinal Microtissues as Relevant Models for Drug Permeation and Metabolism in the Gut	39
<b>Patrick Hayden</b>	phayden@mattek.com	MatTek Corp	Performance of the OECD Accepted In Vitro Skin Irritation Test (SIT) using the EpiDerm Reconstructed Human Epidermal (RHE) Model	68
<b>Paulo Emilio Correa Leite</b>	leitepec@gmail.com	UFRJ/INMETRO	Suitability of 3D human brain spheroid models to distinguish toxic effects of gold and poly-lactic acid nanoparticles to assess biocompatibility for brain drug delivery	91
<b>Priscila Laviola Sanches</b>	plaviolasanches@gmail.com	Pós-Graduação em Biomedicina Translacional, BIOTRANS (Unigranrio, Inmetro e UEZO)	Cytotoxicity study of titanium dioxide nanoparticles used in sunscreens with primary human skin cells	18
<b>Raissa Santos de Lima</b>	raissalima2709@gmail.com	Inmetro	IN SILICO EVALUATION OF TARGET ENZYMES FOR POTENTIAL ANTI-TUBERCULOSIS DRUGS	46
<b>Renata Akemi Morais Matsui</b>	leandra.baptista@gmail.com	INMETRO	NON-HYPERTROPHIC CARTILAGE BY SCAFFOLD-FREE TISSUE ENGINEERING VALIDATED BY COMPARATIVE SECRETOME ANALYSIS	103
<b>Renato Ivan de Ávila</b>	renatoivan.avila@gmail.com	Federal University of Goiás	The use of GARDskin™ for skin sensitization evaluation of cosmetic ingredients and “real-life” mixtures	17
<b>Ricardo Cardozo de Barros</b>	rcbarros@faeterj-petropolis.edu.br	Faculdade de Educação Tecnológica do Estado do Rio de Janeiro - Faeterj / Instituto Nacional de Metrologia, Qualidade e Tecnologia - Inmetro	Testing the ASAProt Platform: Searching for New Targets from Neglected Tropical Diseases	65
<b>Ricardo Sergio Almeida</b>	almeidar@uel.br	State University of Londrina	Detection of pyrogens by Galleria mellonella amoebocyte lysate	125
<b>Ricardo Valle Ladewig Zappala</b>	ricardolad@biof.ufrj.br	Federal University of Rio de Janeiro	Comprehension on the hidden genome of Deinococcus radiodurans through functional prediction of its proteins	31
<b>Robert Pogue</b>	repogue@gmail.com	Universidade Católica de Brasília	Genome editing in pluripotent cells for genetic disease modeling	77
<b>Rodolpho C. Braga</b>	rodolpho@altox.com.br	Alttox Ltda.	Pred-Ecotox: a computational tool for the prediction of aquatic acute toxicity of chemicals	85

<b>Rodrigo De Vecchi</b>	rvecchi@rd.loreal.com	L'Oréal Research & Innovation	SkinEthic RHE Skin Corrosion Test: An OECD adopted method to identify skin corrosive UN GHS subcategories	106
<b>Rodrigo De Vecchi</b>	nathalie.alepee@rd.loreal.com	L'Oréal Research & Innovation	SkinEthic™ HCE EIT: An in vitro assay complies with regulatory use for serious eye damage/eye irritation testing	107
<b>Rodrigo De Vecchi</b>	rvecchi@rd.loreal.com	L'Oréal Research & Innovation	In vitro skin irritation assay of medical devices with SkinEthic™ RHE model	108
<b>Rodrigo De Vecchi</b>	rvecchi@rd.loreal.com	L'Oréal Brazil Research & Innovation	Implementation of an OECD accepted Reconstructed Human Epidermis (RHE) model in Brazil	109
<b>Róli Rodrigues Simões</b>	rolisim@hotmail.com	Avantis Faculty	Methods substitutive to the use of animals practiced in the Veterinary Medicine course of the regional university of Blumenau - FURB: perception and evaluation of the graduates	10
<b>Sara Gemini Piperni</b>	sara.gemini@hotmail.com	CBPF	3D bone cell model in nanotoxicological evaluation of TiO2 nano-bio interface.	121
<b>Simone Fanan</b>	simone_fanan@hotmail.com	Federal University of Santa Catarina - UFSC	IN VITRO SKIN IRRITATION ASSAY OF JABUTICABA PEEL EXTRACT (Plinia peruviana (Poir) Govaerts), A BRAZILIAN NATIVE FRUIT	33
<b>Talita Dacroce Tonin</b>	talita_dacroce@hotmail.com	Universidade do Vale do Itajaí	EVALUATION OF THE PHOTOMETHYOPROTETIC AND PHOTOPROTETHER ACTIVITY AGAINST UVA AND UVB IRRADIATION OF THE EXTRACT AND PHYTOCOSMETICO OBTAINED FROM THE FRUITS OF MYRCIARIA CAULIFLORA (MART.)	132
<b>THALES DE ASTROGILDO E TREZ</b>	thalestrez@gmail.com	Universidade Federal de Alfenas - UNIFAL-MG	Animal Ethics Committees in Brazil: a survey on the 3Rs concept	51
<b>Victor Hugo de Souza lima</b>	vh_souzalima@hotmail.com	Federal Fluminense University/ Brazilian center for physics research	In vitro assessment of the effects of surface modifications on osteoconductivity parameters of hydroxyapatite-based bone substitute biomaterials	117