Minimising animal tests through education and training

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Overview

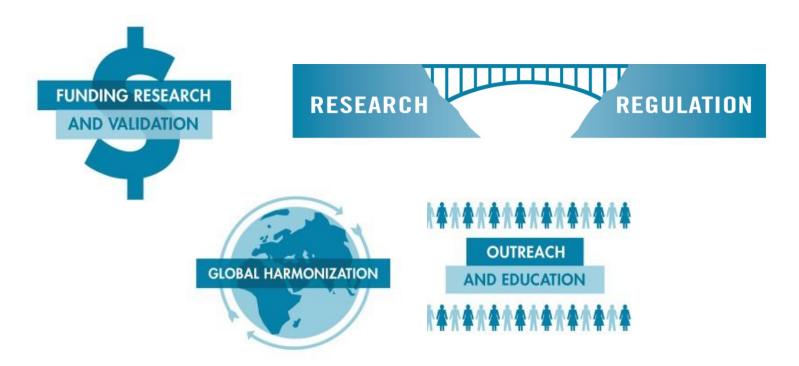
PETA International Science Consortium Ltd.

- Education and training
 - Training sessions
 - Outreach
 - Webinars

REACH webinar series



PETA International Science Consortium



Education and Training

- Training sessions
- Outreach: piscltd.org.uk
- Webinars

Training Sessions



Outreach



FUNDING OPPORTUNITIES

Advancing 21st Century Toxicology

HOME OUR WORK FUNDING ALTERNATIVE METHODS NANOTECHNOLOGY RESOURCE CENTER OUR TEAM

MATTEK AWARD AOP AWARD

FACTSHEETS

IN VITRO METHODS FOR SERIOUS EYE DAMAGE AND EYE IRRITATION



*** And Administration and Classification of Classification and independent of the Classification of Classification and the Classification of Classification and Clas

METHOD	PRINCIPLE OF THE TEST	APPLICABILITY DOMAIN	GHS CATEGORISATION
OCCO TO 417. I seine Corner Openip and Fernantifity (ICOS) Test Hathor for Ideal page I Commission I also ag Seriem Eye Demage and il Chemicale Hat Requiring Chemicales for Eye britation or Serieu (Eye Danaya	Test substance is directly applied to care again obtained as thy products from abathins. Domail opacity houseased quantifactions in the amount of light transmission through the consult of pressable figure and quantifactions and parental first placement of quantifactions and parental first placement of quantifactions of the consult as measured. Optional listinguishing can be conducted for a different information.	Applicable to solids, Equids Geoloding semi- colids, creams and waters and mixtures.	For the identification of substances causing serious up damage 1995 Cat D and substances not requiring chambication for eye interior or an insurance and marge. 19600 TS 407 training sides annihible at www.gostabe.com/ watch/to-Txbp50008
OECO TE 401. Included Driches Eye HCE1 Test Histhed for the still ping of Chemicals I ad scing Services Eye Banage and in Chemica als Het Beggining Chemica atom for Eye Invitation or Services Eye Barrage	Text substance is directly applied to chicken upon obtained as by-products from abattoirs. General swelling, opacity and fluorescein retartion are assessed.	Applicable to salids I may be salable or i esoluble in water!, liquids, envoluces and gats.	For the identification of substances couring serious ear damage 1245 Let D and substances not most ing classification for eye in thicks or serious eye damage.
OECO TE 400. Pharsecosin Leakage FL) Test Method for Identifying Ondar Corrections and Senses Instants	Epificial monthsperMade - Owing casins kidney (MCCO cells an cultured an parmetalis insect. The last cleanical in applied for 1 minute and than renound, set, the non-time is piting Homencent and come formations days in addition of the sensored office that passes through the cell layer is non-zeroel spectaffusorational by and used to predict training.	Applicable to water-calable characters or mistower. Limitations for colors and or highly account substances to produce they in improved by increasing the number of warth steps). Not applicable to above acids and heart, call final was or highly relative substances.	For the identification of substances causing serious up damage NSIS Cat D.
OECO TO 461. Short Turn Experient (STE) Assey	Measures cell riability MRT sensel of SIRC Statens Serumin atted Rubbit Corneal corneal epithelial cells in 95 well plates. As compounds are generally cleaned from human ages in 1 to 2 minutes or subbit ages in 3 to 4 minutes; this test equi see a 5-minute appearer.	Applicable to test cleanizals that are soluble in saline, DBSD or minural oil.	For the identification of substances cauring serious up damage 1245 Cat D and substances not requiring classification for eye initation or serious up damage.
OECO TE 410. De se structud Herman Gormon-libe Epitholium (II-ED Test Merhad for Montifying Chemisule Her Requiring Chamife ation and Labelling for Eye Intitrine or Seriesa Eye Burungs (og. Epitheller ²⁸)	Matfalix Epitular ³⁰ tissus in reconstructed from primary harms calls, which have been caltured for researching to form a stratified, highly differentiated systems explication morphologically similar to that the most in the learner caress. The test substance is exposed to the tissue, which which is MIT assay is used to predict training.	Applicable to selectances and mictures as well as solids, liquids, semi-solids and wasses.	For the identification of substances not requiring classification for upon initiation or surious upodamage.
OECD draft TE. Cytan se sur Microy lys innerter i DM	A sub-confunct monology of resum 1929 cells in appeard to increasing concentrations of the test chemical. The collidar metabolic rate — measured by pilichange in the medium facilification! — is used to predict to circly.	Applicable to water-calcile chamicals trabetances and matural) as well as non-soluble solids, viscous chamicals and suspensions that maintain uniformity during the analysis time.	For the identification of substances couring serious ego damage 12/IS Cat D and substances that are not classified.

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Award for Adverse Outcome Pathway Development Provided to New Contributors to the AOP Wiki



ith the advent of emerging technologies and the adoption of a new vision for the science of toxicity testing, modern toxicology is noving away from the animal tests scientists have traditionally relied upon to identify chemical hazards. Tests using animals are often onsidered to be "black box" studies that determine whether a chemical is toxic to animals, but they do not necessarily reveal the echanism by which the substance caused toxicity or whether it would cause similar toxicity in humans. In recent years, however, nonimal testing strategies have been developed that are geared towards probing the specific mechanism of chemical toxicity. These ting strategies can be based on Adverse Outcome Pathways (AOPs), which are a conceptual framework describing a sequential chain causally linked events at different levels of biological organisation that lead to an adverse health or ecotoxicological effect.

part of a collaborative effort between the European Commission's Joint Research Centre, the US Environmental Protection Agency, nd the Organisation for Economic Co-operation and Development, an <u>AOP Wiki</u> has been created to provide an interactive and virtual latform for AOP development and to promote international consensus on the developed AOPs. Working with the organisers of the OP Wiki, the PETA International Science Consortium Ltd. (PISC) is launching a data challenge to encourage new contributors to add to isting entries in the AOP Wiki using available data.



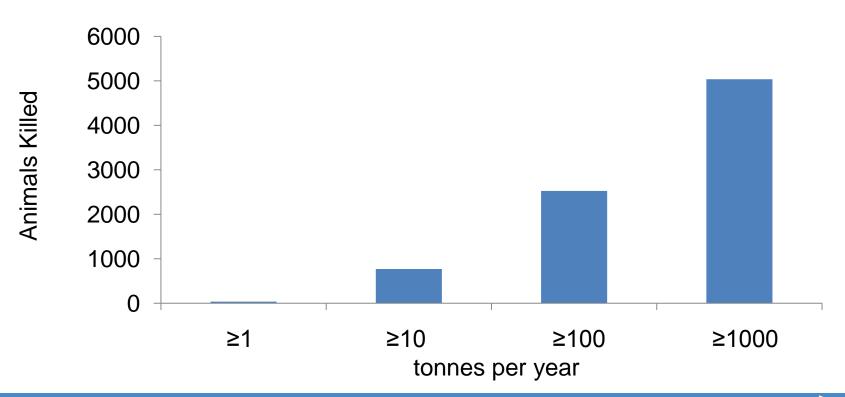






Launch of the AOP Award at the European Commission's Joint Research Centre (IRC) booth at the 51st annual EUROTOX Congress held in Porto, Portugal on 13-16 September, 2015.

Animal Testing for REACH



Webinar Series: Leading Experts

Chemical Watch GLOBAL RISK & REGULATION NEWS





























Webinars

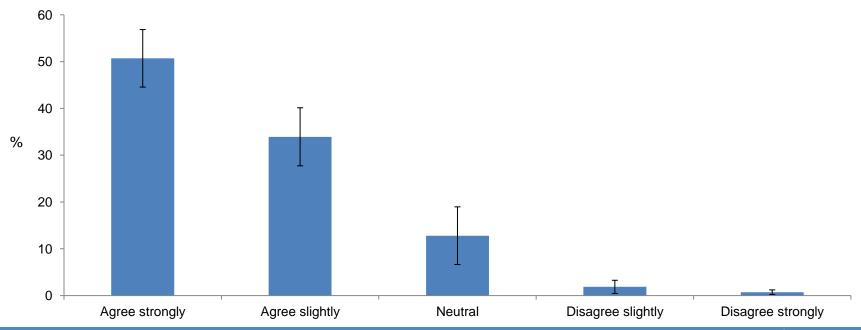
WEBINAR 1	OECD QSAR TOOLBOX AND READ- ACROSS	Dr. Grace Patlewicz, formerly of DuPont Prof. Mark Cronin, Liverpool John Moores University
WEBINAR 2	SKIN IRRITATION AND CORROSION	Dr. Gertrude-Emilia Costin, Institute for In Vitro Sciences Dr. Costanza Rovida, REACH Mastery and CAAT Europe
WEBINAR 3	SERIOUS EYE DAMAGE AND EYE IRRITATION	Dr. Kim Norman, Institute for In Vitro Sciences Dr. João Barroso, EURL ECVAM
WEBINAR 4	SKIN SENSITISATION	Dr. Susanne Kolle, BASF SE Dr. Silvia Casati, EURL ECVAM
WEBINAR 5	ALTERNATIVE APPROACHES TO MAMMALIAN ACUTE SYSTEMIC TOXICITY TESTING	Dr. Pilar Prieto, EURL ECVAM Dr. Lawrence Milchak, 3M
WEBINAR 6	(ZEBRA)FISH EMBRYO ACUTE TOXICITY TEST TO PREDICT SHORT- TERM TOXICITY TO FISH (AND BEYOND	Dr. Marlies Halder, EURL ECVAM Prof. Thomas Braunbeck, University of Heidelberg Dr. Scott Belanger, Procter & Gamble
WEBINAR 7	THE REGULATORY PROCESSES INVOLVED IN ACCEPTANCE OF NON-ANIMAL TESTS	Dr. Derek Knight, ECHA Ms. Karin Kilian, European Commission

International Audience



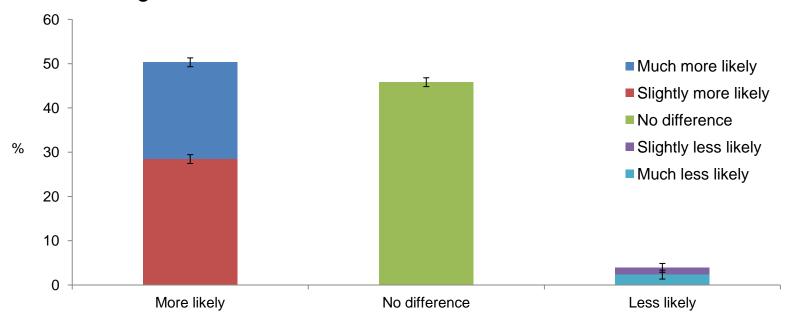
Awareness of Testing Strategies

Q: "I gained some useful guidance on how to incorporate non-testing/non-animal methods into a testing strategy".



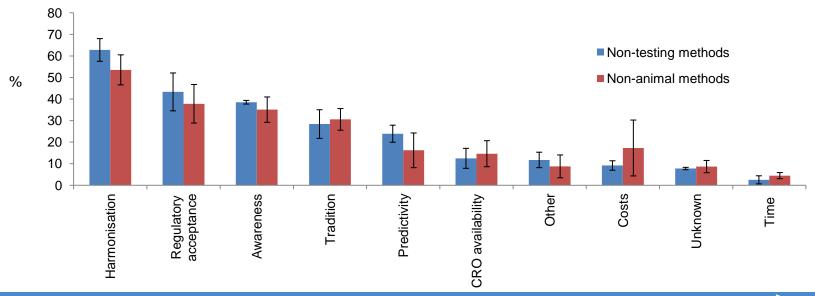
Likely Use of Non-Testing Methods

Q: "As a result of attending this webinar, are you more or less likely to use non-testing methods for REACH 2018"?



Barriers to Uptake of Non-Testing and Non-Animal Methods

Q: "What do you think are the main barriers to the uptake of a) non-testing and b) non-animal testing methods for REACH"?





Conclusions

- The Science Consortium uses a multifaceted approach to education and training, including:
 - Training sessions
 - Outreach
 - Webinars
- REACH webinar series
 - The Science Consortium teamed up with Chemical Watch and leading experts
 - Feedback indicates that the webinars were effective in increasing the intent of companies to use of non-animal methods.



Acknowledgements

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Thank you!

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