

# Non-Animal Approaches for Consumer Safety Risk Assessments:

## SEAC Scientific Publications 2011

- Adler S, Basketter D, Creton S, Pelkonen O, van Benthem J, Zuang V, Andersen KE, Angers-Loustau A, Aptula A, Bal-Price A, Benfenati E, Bernauer U, Bessems J, Bois FY, Boobis A, Brandon E, Bremer S, Broschard T, Casati S, Coecke S, Corvi R, Cronin M, Daston G, Dekant W, Felter S, Grignard E, Gundert-Remy U, Heinonen T, Kimber I, Kleinjans J, Komulainen H, Kreiling R, Kreysa J, Leite SB, Loizou G, Maxwell G, Mazzatorta P, Munn S, Pfuhler S, Phrakonkham P, Piersma A, Poth A, Prieto P, Repetto G, Rogiers V, Schoeters G, Schwarz M, Serafimova R, Tähti H, Testai E, van Delft J, van Loveren H, Vinken M, Worth A, Zaldivar JM (2011). Alternative (non-animal) methods for cosmetics testing: current status and future prospects-2010, *Archives of Toxicology* 85(5), 367-485.
- Andersen M, Clewell H, Carmichael P, Boekelheide K (2011). Can case study approaches speed implementation of the NRC report: "Toxicity Testing in the 21st Century: A Vision and a Strategy?", *Altex* 28(3), 175-82.
- Bhattacharya S, Zhang Q, Carmichael PL, Boekelheide K, Andersen ME (2011). Toxicity Testing in the 21st Century: Defining New Risk Assessment Approaches Based on Perturbation of Intracellular Toxicity Pathways, *PLoS ONE*, 6(6), e20887 freely available online [www.plosone.org](http://www.plosone.org)
- Bonnist E, Gorce JP, Mackay C, Pendlington RU, Pudney P (2011). Measuring the penetration of a skin sensitizer and its delivery vehicles simultaneously with confocal Raman spectroscopy, *Skin Pharmacology and Physiology*, 24(5), 274-83.
- Cappiello A, Famigliani G, Termopoli V, Trufelli H, Zazzeroni R, Jacquilleot S, Radici L, Saib O (2011). Application of LC-Direct-EL-MS in in vitro dermal absorption study: quantitative determination of trans-cinnamaldehyde, *Analytical Chemistry* [Epub ahead of print]
- Creton S, Aardema M, Carmichael P, Harvey J, Martin F, Newbold R, O'Donovan M, Pant K, Poth A, Sakai A, Scott A, Schechtum L, Shen R, Tanaka N, Yasaei H (2011). Cell transformation assays for prediction of carcinogenic potential: state of the science and future research needs, *Mutagenesis* [Epub ahead of print]
- Davies M, Pendlington R, Page L, Roper CS, Sanders DJ, Bourner C, Pease CK, MacKay C (2011). Determining epidermal disposition kinetics for use in an integrated non-animal approach to skin sensitization risk assessment, *Toxicological Sciences* 119(2), 308-18.
- Fentem J, Carmichael P, Westmoreland C (2011). Safety Assessment at Unilever Applying 21st Century Toxicology, *AXLR8-2 Workshop Report* 323-30.
- Gill C, Parkinson E, Church M, Skipp P, Scott D, White A, O'Connor D, Glough G (2011). A qualitative and quantitative proteomic study of human microdialysate and the cutaneous response to injury, *AAPS Journal*, 13(2), 309-17.
- Kelly J, Trevisan J, Scott A, Carmichael P, Pollock H, Martin-Hirsch P, Martin F (2011). Biospectroscopy to metabolically profile biomolecular structure: a multi-stage approach linking computational analysis with biomarkers, *Journal of Proteome Research*, 10(4), 1437-48.
- Kimber I, Humphris C, Westmoreland C, Alepee N, Dal Negro G, Manou, I (2011). Computational chemistry, systems biology and toxicology. Harnessing the chemistry of life: revolutionizing toxicology. A commentary, *Journal of Applied Toxicology*, 31(3), 206-9.
- Kimber I, Maxwell G, Gilmour N, Dearman R, Friedmann P, Martin S (2011). Allergic contact dermatitis: a commentary on the relationship between T lymphocytes and skin sensitising potency, [Accepted by *Toxicology*]
- Maxwell G (2011). 'Out of the lab into the real world', *Colipa 'News on Alternatives' - Issue 3 - January 2011*.
- Maxwell G, Aeby P, Ashikaga T, Bessou-Touya S, Diembeck W, Gerberick F, Kern P, Marrec-Fairley M, Ovigne JM, Sakaguchi H, Schroeder K, Tailhardat M, Teissier S (2011). Skin sensitisation: the Colipa strategy for developing and evaluating non-animal test methods for risk assessment, *ALTEX*. 28(1),50-5.
- Maxwell G, MacKay C (2011). Skin Sensitisation – Modelling the Human Adverse Response, *AXLR8-2 Workshop Report* 267-78.
- Modi S, Hughes M, Garrow A, White A (2011). The value of in silico chemistry in the safety assessment of chemicals in the consumer goods and pharmaceutical industries, *Drug Discov Today* [Epub ahead of print].
- Roberts D, Aptula A, Patlewicz G, (2011). Chemistry-based risk assessment for skin sensitization: Quantitative mechanistic modeling for the SnAr domain, *Chemical Research in Toxicology*, 24(7), 1003-11.

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- Scott D, Devonshire A, Adeleye Y, Schutte M, Rodrigues M, Wilkes T, Sacco M, Gribaldo L, Fabbri M, Coecke S, Whelan M, Skinner N, Bennett A, White A, Foy C (2011). Inter- and intra-laboratory study to determine the reproducibility of toxicogenomics datasets, *Toxicology* 290(1), 50-8.
- Spielmann H, Kral V, Schäfer-Korting M, Seidle T, Mclvor E, Rowan A, Schoeters G, Fentem J, Whelan M, Alépee N, Amcoff P, Carrondo M, Clewell H, Ernst S, Fritsche E, Hardy B, Heschler J, Kavlock R, Jaworska J, Kleinjans J, Kojima H, Landsiedel R, Mandenius CF, Schwarz M, Zucco F (2011). AXLR8-2 Roadmap to Innovative Toxicity Testing - Workshop Summary & Recommendations for Future EU Research & Innovation Funding, AXLR8 Progress Report and web-site <http://axlr8.eu>
- Stephens M, Barrow C, Andersen M, Boekelheide K, Carmichael P, Holsapple M, Lafranconi M (2011). Accelerating the Development of 21st century Toxicology: Outcome of a Human Toxicology Project Consortium Workshop, *Tox Sci* [Epub ahead of print]
- Svensson JP, Quiros Pseudo L, Fry RC, Adeleye YA, Carmichael P, Samson LD (2011). Genomic phenotyping of the essential and non-essential yeast genome detects novel pathways for alkylation resistance, *BMC Syst Biol* [Epub ahead of print]