



## Mark your calendar for ESTIV2012 !



ESTIV2012, will be hosted by the [Portuguese Toxicology Association](#) (AP Tox) in Lisbon, Portugal, 16<sup>th</sup> -19<sup>th</sup> October, 2012.

As is tradition, this congress will bring together researchers and students from academia and industry, involved in the development and use of *in vitro* methods in toxicology. The scientific program includes state-of-the-art lectures, workshops, and original communications and poster sessions that will explore challenges and successes of non-animal approaches for toxicity testing.

This year the congress will have a special emphasis on the following themes: Dermal toxicity, Ocular toxicity, Dermal sensitization, Innate immune responses in toxicity, Carcinogenicity testing, Reproductive & developmental testing, Systemic toxicity, and Computational toxicity & toxicokinetics. As with previous ESTIV congresses, a special student session will also be organized, where young researchers will be invited to briefly present their work; there will be an award for the best presentation.

A pre-congress workshop on "The Economics of Alternatives" will be co-organized by ESTIV, CAAT & IVTIP. This workshop will focus on the benefits versus costs balance related to *in vitro* testing, as well as on strategies to make the way forward regarding the application of *in vitro* tests and testing strategies.

In addition to the cutting-edge topics that will be covered in ESTIV2012, for the first time, a practical workshop will be organized on the 20<sup>th</sup> October. The purpose of this workshop is to gain hands-on experience with computerized *in vitro* – *in vivo* extrapolation strategies.

In addition to the scientific program, you can count on the warm hospitality, excellent climate, rich culture and great food that Lisbon has to offer. The congress venue is located in the new part of the city, close to the airport and the Expo waterfront.

The ESTIV2012 organization committee is looking forward to seeing you in Lisbon.

## Professor Dr. med. Horst Spielmann is the recipient of the Björn Ekwall Memorial Award 2012



Professor Dr. med. Horst Spielmann is the recipient of the Björn Ekwall Memorial Award 2012. He was selected by the board of the Björn Ekwall Memorial Foundation (BEMF) together with the board of the Scandinavian Society for Cell Toxicology (SSCT). The Björn Ekwall Memorial Award will be handed over to Prof. Spielmann during the ESTIV 2012 congress 16 – 19 October, Lisbon, Portugal. The title of the Björn Ekwall Memorial Lecture which will be given by Prof. Spielmann is: *Today Björn Ekwall would endorse the concept "Toxicology in the 21<sup>st</sup> Century"*.

The BEMF wants to honour the outstanding scientific work of Prof. Spielmann. He has significantly promoted the research in the field of *in vitro* toxicology by developing non-animal tests aiming to replace and to reduce animal experiments in regulatory toxicology. The *in vitro* models developed by Prof. Spielmann are used world-wide, e.g. for the estimation of phototoxicity, to test skin irritation, and for the detection of embryotoxicity *in vitro*. The studies of Prof. Spielmann have led to validated tests, and also acceptance into the regulatory guidelines. Horst Spielmann (born April 3, 1942, in Lublin, Poland) defended his PhD thesis in 1969 and became Dr. med. at the Department of Pathology, Medical School of the Freie Universität Berlin where he continued as a postdoctoral student and assistant professor at the Institute for Toxicology 1969-1980. From 1981 he has been the Head of the Department for Pharmacology and Toxicology at the Battelle Institute, Frankfurt on Main, and 1983-1989 director and professor at the Federal Health Institute Berlin.











## Recent publications of ESTIV members

AXLR8 Public Service Review:

<http://axlr8.eu/assets/axlr8-update-2012.pdf>

Basketter DA, Clewell H, Kimber I, Rossi A, Blaauboer B, Burrier R, Daneshian M, Eskes C, Goldberg A, Hasiwa N, Hoffmann S, Jaworska J, Krudsen TB, Landsiedel R, Leist M, Locke P, Maxwell G, McKim J, McVey EA, Ouédraogo G, Patlewicz G, Pelkonen O, Roggen E, Rovida C, Ruhdel I, Schwarz M, Schepky A, Schoeters G, Skinner N, Trentz K, Turner M, Vanparys P, Yager J, Zurlo J and Hartung T (2012). A Roadmap for the development of alternative (non-animal) methods for systemic toxicity testing. *ALTEX* 29, 3-91.

Basketter, D., Jirova, D., Kandárová, H. (2012). Review of skin irritation/corrosion hazards on the basis of human data: A regulatory perspective. *Interdisciplinary Toxicology* 5 (2), in press.

Burkard A, Dähn C, Heinz S, Zutavern A, Sonntag-Buck V, Maltman D, Przyborski S, Hewitt NJ, Braspenning J.(2012) Generation of proliferating human hepatocytes using upcyte® technology: characterisation and applications in induction and cytotoxicity assays. *Xenobiotica*, early online: 1-18.

Ceridono,M., Tellner,P., Bauer,D., Barroso,J., Alépée,N., Corvi, R., De Smedt,A., Fellows,M.D., Gibbs,N.K., Heisler,E., Jacobs, A., Jirova,D., Jones, D., Kandárová,H., Kasper,P., Akunda,J.K., Krul,C., Learn,D., Liebsch,M., Lynch,A.M., Muster,W., Nakamura,K., Nash,J.F., Pfannenbecker,U., Phillips,G., Robles,C., Rogiers,V., Van De Water,F., Liminga,U.W., Vohr, H.-W., Watrelos,O., Woods,J., Zuang,V., Kreysa,J., Wilcox,P. (2012). The 3T3 neutral red uptake phototoxicity test: Practical experience and implications for phototoxicity testing – The report of an ECVAM–EFPIA workshop. *Regulatory Toxicology and Pharmacology*, Available online 8 June 2012, ISSN 0273-2300

Christiansen S, Selige J, Dunkern T, Rassov A, Leist M. (2011). Combined anti-inflammatory effects of  $\beta(2)$ -adrenergic agonists and PDE4 inhibitors on astrocytes by upregulation of intracellular cAMP. *Neurochem Int*. doi:10.1016/j.neuint.2011.08.012. PubMed PMID: 21871511.

De Jong E, Barenys M, Hermsen S, Verhoef A, Ossendorp B, Bessems J, Piersma A (2011) Comparison of the mouse Embryonic Stem cell Test, the rat Whole Embryo Culture and the Zebrafish Embryotoxicity Test as alternative methods for developmental toxicity testing of six1,2,4-triazoles. *Toxicol Appl Pharmacol* 253 103–111

Eskes C, Sullivan K, Aardema M, Spielmann H, Hill E, Schoeters G, Curren R, Vinken M and Blaauboer B (2012). Comparing the challenges in developing and implementing 3Rs alternative methods in Europe and United States: industrial and academic perspectives. *ALTEX* 1, 205-209.

Eskes C, Detappe V, Koeter H, Kreysa J, Liebsch M, Zuang V, Amcoff P, Barroso J, Cotovio J, Guest R, Hermann M, Hoffmann S, Masson P, Alepee N, Arce LA, Bruschweiler B, Catone T, Cihak R, Clouzeau J, D'Abrosca F, Delveaux C, Derouette JP, Engelking O, Facchini D, Frohlicher M, Hofmann M, Hopf N, Molinari J, Oberli A, Ott M, Peter R, Sa-Rocha VM, Schenk D, Tomicic C, Vanparys P, Verdon B, Wallenhorst T, Winkler GC and Depallens O (2012). Regulatory Assessment of *In Vitro* Skin Corrosion & Irritation Data within the European Framework: Workshop Recommendations. *Regulatory Toxicology & Pharmacology* 62, 393-403.

Ferruzza S, Rossi C, Scarino ML, Sambuy Y, (2011) A protocol for in situ enzyme assays to assess the differentiation of human intestinal Caco-2 cells. *Toxicol In Vitro*. doi:10.1016/j.tiv.2011.11.007

Ferruzza S, Rossi C, Scarino ML, Sambuy Y (2012) A protocol for differentiation of human intestinal Caco-2 cells in asymmetric serum-containing medium. *Toxicol In Vitro*. doi:10.1016/j.tiv.2012.01.008

Guantario B, Conigliaro A, Amicone L, Sambuy Y, Bellovino D (2012) The new murine hepatic 3A cell line responds to stress stimuli by activating an efficient Unfolded Protein Response (UPR). *Toxicol In Vitro* 26, 7-15.

Hartung, T., Blaauboer B, Bosgra S, Carney E, Coenen J, Conolly R, Corsini E, Green S, Faustman E, Gaspari A, Hayashi A, Hayes W, Hengstler J, Knudsen L, Knudsen T, McKim J, Pfaller W, and Roggen E (2011). An Expert Consortium Review of the EC-commissioned Report "Alternative (Non-Animal) Methods for Cosmetics Testing: Current Status and Future Prospects – 2010." *ALTEX* (2011) 28 (3), 183-209.







