What's New at IIVS:

Skin Sensitization Update – Predicting EC3 Values with In Vitro Assays and Computational Modeling

The ability to ascertain the maximum limit of a compound that can be applied to the skin without inducing skin sensitization is a critical safety criterion for virtually any risk assessment. Using regression models developed by Givaudan (Kempthal, Switzerland), IIVS is able to perform a computational approach to determine predicted EC3 values (Effective Concentration required to induce a 3-fold upregulation of lymph node cell proliferation) using a combination of OECD approved assays (KeratinoSens, hCLAT, and kDPRA). This value can be used to assess risk for compounds to be included in formulations.

For more information please contact IIVS or view the following publications:

- Integrated Skin Sensitization Assessment Based on OECD Methods (I): Deriving a Point of Departure for Risk Assessment

- Integrated Skin Sensitization Assessment Based on OECD Methods (II): Hazard and Potency by Combining Kinetic Peptide Reactivity and the “2 out of 3” Defined Approach

IIVS Posters at the 2022 Society of Toxicology Annual Meeting

IIVS was pleased to exhibit in person and presented 5 posters at SOT 2022 in March:

- Compatibility Determination of Alternative Solvents in the human Cell Line Activation Test (h-CLAT) for the Assessment of Skin Sensitization

- Cryopreservation of Human Precision-Cut Lung Slices Provides an Immune Competent, Pulmonary Test System for “On-Demand” Use
• **Modification in Procedure of the Reconstructed Human EpiDermis (RhE) Phototoxicity Assay**

• **Improving Quality and Reliability of In Vitro Data through the Implementation of Good In Vitro Method Practices (GIVIMP)**

• **Determination of a Maximum Tolerated UVA Exposure for the Photo-Genotoxicity Test Method Using the Reconstructed Skin Micronucleus Assay**

All posters are available to view or download at IIVS.org.

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**Respiratory Update**

On May 18th, Dr. Holger Behrsing, Director of IIVS’ Respiratory Laboratory, will attend the American Thoracic Society and present on: **Human Precision-Cut Lung Slices: A Potential Model for Detecting Respiratory Sensitization.**

Interested in our non-animal approaches to the evaluation of airway toxicity? Please contact us for more information.

IIVS now has Precision-Cut Lung Slices available for purchase. Contact Brent Gilbert for more information.

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**Upcoming IIVS Presentations**

Hans Raabe, Chief Operating Officer for IIVS, will provide the following presentations:

• **May 11, 3-4:30 pm (Webinar):** Risk Assessment and In Vitro and Alternatives Methods Specialty Sections of the Society of Toxicology: “**Establishing scientific confidence in new approach methodologies: eye irritation testing and beyond**” (Lead by Dr. Amy Clippingner of the PETA International Science Consortium)

• **June 7-10:** Physicians Committee for Responsible Medicine (PCRM) Summer School: “**RhE Models for Dermal Toxicology**”, North Carolina Biotechnology Center, Research Triangle Park

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**Don’t miss the Annual Meeting of the American Society for Cellular and Computational Biology!**

![ASCCT Logo](https://via.placeholder.com/150)

**ASCCT 11th Annual Meeting:**

**Shifting the Paradigm to Next-Generation (Quantitative) Risk Assessment**

October 19-21, 2022

Research Triangle Park, N.C. area

*Abstract deadline is July 15 for oral presentations and September 1 for poster submissions.*
IIVS Recognized by Society of Toxicology

IIVS was honored to receive acknowledgment of our 25th exhibition at the SOT 61st Annual Meeting. A plaque in recognition of this milestone was presented to Erin Hill and Hans Raabe by Dr. Myrtle Davis, SOT President.

Congratulations Dr. Costin!

IIVS congratulates our Director of Laboratory Services, Dr. Gertrude-Emilia Costin, on her appointment to the FRAME (Fund for the Replacement of Animals in Medical Experiments) Scientific Advisory Panel! In this capacity, she will review proposals for funding and provide feedback on research projects.

Learn more about FRAME and their mission of advancing non-animal methodologies.

Please contact us at clientservices@iivs.org with any questions or for further information!