

Proposed Activities for ICCVAM in FY 2015

Areas of priority and scientific focus for immediate resource investment

1. Alternatives for acute toxicity testing
 - Finalize statistical analysis of the relative contribution of data from acute oral and dermal toxicity tests to pesticide hazard classification and labelling
 - Initiate projects related to reducing use of laboratory animal testing for the assessment of acute inhalation toxicity
 - Assist federal agency efforts to implement alternative assays related to eye irritation, skin irritation, and skin corrosion
2. Skin sensitization testing
 - Continue providing expertise in the design and examination of the predictive value of a battery of *in vitro* and *in silico* methods
 - Evaluate a variety of approach(es) for integrating data from available non-animal methods to use in a prospective evaluation (e.g., simple test battery, logistic regression, linear discriminant analysis, Bayesian network, artificial neural network, support vector machine)
3. Adverse outcome pathways
 - Coordinate efforts across agencies to understand the potential utility of AOPs and the tools and approaches that are based on AOPs for eventual regulatory use
4. Alternatives to the murine histamine sensitization test (HIST) for acellular pertussis vaccines
 - Continue working with the International Working Group for Alternatives to HIST on the implementation of *in vitro* assays as alternatives to the HIST for the testing of acellular pertussis vaccines
5. Explore methods to reduce the number of hamsters used to create the virulent test material for *Leptospira* vaccines

Plans to improve communications with stakeholders and the public

1. Convene a Communities of Practice webinar on developing reverse toxicokinetic models to correlate *in vitro* and *in vivo* activity
2. Convene an ICCVAM Public Forum
3. Serve as a forum for communicating an agency position on test method recommendations
4. Serve as a forum for communicating how agencies are implementing the 3Rs

5. Update ICCVAM committee operating procedures and communicate them to stakeholders

Plans to continue international coordination

1. Nominate ICCVAM agency experts to international expert working groups, validation management teams, and organizing committees
2. Serve as a forum to communicate updates to ICCVAM agencies on international activities relevant to the 3Rs
3. Where appropriate, nominate methods for interlaboratory validation to the EURL ECVAM network for qualified testing laboratories, NETVAL
4. Continue active participation in ICATM
5. Work with ECVAM on a process for test method acceptance

Explore new paradigms for validation

1. Schedule a workshop to review existing approaches to validation and how they could be modified and/or applied differently in order to accelerate regulatory acceptance of methods and improve responsiveness to on-going paradigm shifts in toxicity testing