ICCS

INTERNATIONAL COLLABORATION ON COSMETICS SAFETY

A Global Not-for-Profit Research Organization

OUR MISSION

To advance the adoption of animal-free assessments of cosmetics, and their ingredients, for human health and environmental safety.

CORE SCIENCE TEAM AIM & OBJECTIVES

Build a Robust Scientific Toolbox

1. **Identify** regional stakeholder & regulatory needs
2. **Prioritize** activities where ICCS can have best impact
3. **Develop** ICCS as a center of competence in Next Gen Risk Assessment (NGRA)

Delivery Teams

- Human Health Effect
- Environmental Effects
- Human Health Exposure
- Environmental Exposure and Fate
- Safety Decision (Case Studies)

ICCS Core Science Team (CST):

- Develops and oversees science projects
- Focusses on next generation, animal-free risk assessments for cosmetic product and ingredients to protect human health & the environment
- Engages with external Science Advisory Committee to shape ICCS science strategy and projects

SCIENCE STRATEGY

Scope and Focus: Develop and validate animal-free safety assessment frameworks (including assays which have never utilized animals)

Human Health Method Development & Validation

HAZARD TOOLBOX
- Repeat-dose systemic toxicity (incl. DART, carcinogenicity)

EXPOSURE TOOLBOX
- Refined aggregate exposure framework (incl. external exposure characterization)
- Refined internal dose determination (incl. iTTC., adopted ADME & PBK modelling)
- ▶ Exposure-based waiving, chemicals risk assessment

Environmental Safety Method Development & Validation

HAZARD TOOLBOX
- Freshwater + marine acute & chronic toxicity (incl. EDs) test methods as alternatives to vertebrate testing and for under-represented taxa such as corals

EXPOSURE AND FATE TOOLBOX
- Tiered environmental exposure models for aquatic compartments (incl. marine)
- Internal exposure: Toxicokinetics, quantitative *in-vivo* to *in-vitro* extrapolation
- Fate: Persistence/biodegradation, bioaccumulation & mobility methods

Case Studies for Human Health & Environmental Safety

Balanced Portfolio for Constant Delivery

METHOD DEVELOPMENT FOCUS
- Establish & evaluate NGRA frameworks for repeat-dose, systemic toxicity (incl. DART, STOTs, carcinogenicity) and environmental safety
- Refined read-across methodologies incl. grouping principles

LATE-STAGE DELIVERY PROJECTS
- Closing gaps to facilitate validation and regulatory acceptance (e.g., skin sensitization, genotoxicity)

Out of Scope
- Basic research; new method research from scratch; duplication or overlap with other programs
- Specialty programs and projects with narrow scope and low relevance for broad membership

CORE ACCEPTANCE TEAM AIM & OBJECTIVES

Accelerate Uptake of Animal-Free Safety Assessments for Cosmetics

1. **Standardization & validation** of animal-free safety assessment approaches for regulatory use
2. **Regulatory acceptance** of next gen risk assessment of NGRA frameworks for cosmetics
3. **Global alignment** of cosmetic and chemical regulatory information requirements

Multi-stakeholder collaborations
(such as ICCS) are needed to efficiently address these strategic challenges

ICCS Core Acceptance Team (CAT):

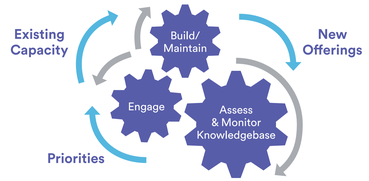
- Drives standardization & supports global validation
- Coordinates regulator & stakeholder engagement to support scientific dialogue and peer review
- Provides expert input to regulatory guidance
- Ensures ICCS science & education strategies address regulatory needs

CORE EDUCATION TEAM AIM & OBJECTIVES

Support and Design Continuous Educational Programs

1. **Understand** education needs from various stakeholders
2. **Facilitate** awareness & engagement with existing activities
3. **Fill gaps** through coordination with acceptance & science teams

An Iterative Approach



ICCS Core Education Team (CET):

- Coordinates stakeholder engagement to connect science and acceptance activities to further uptake and use
- Identifies outreach and education gaps for prioritization. Seeks to complement, not duplicate
- Differentiates education needs for different audiences (users of tools and users of data) and regions
- Ensures science results in educational tools addresses regulatory acceptance needs

LEARN MORE: **iccs-cosmetics.org**

WORKING TOWARDS ANIMAL-FREE SAFETY ASSESSMENTS, TOGETHER

SUBSCRIBE TO OUR NEWSLETTER