

# Recap of OECD WNT - 33

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5/27/2021

# Overview of the OECD WNT-33

## § Organization for Economic Cooperation and Development (OECD)

- Working Party for the Test Guideline Program (WNT) Meeting was held April 20-23, 2021.

## § Meeting highlights

- Added 6 new Standard Proposal Submission Form (SPSF)
- Approved 13 Items: Test Guidelines, Guidance Documents, Detailed Review Reports
- US Led activities
  - Update on Discussions Related to Dose Selection in Chronic Toxicity Guideline Studies since WNT-32 and Proposals on the next steps.
  - Project 3.11: Draft study report on Manufactured Nanomaterials removal from wastewater.
  - Project 4.138: Draft new Test Guideline on in vitro phototoxicity test method using the Reconstructed human Epidermis (RhE).
  - Project 4.116: Draft for discussion on New Guideline on Defined Approaches on Skin Sensitization – DASS.

## § New name: the former “Joint Meeting” is now the “Chemicals and Biotechnology Committee”

## § Upcoming activities

- Meeting of the Endocrine Disruptor and Test Assessment (EDTA) Advisory Group, May 26-27, 2021.
- Meeting of the Chemical Biotechnology Committee, June 8-10, 2021.

# New SPSF Project Proposals

Title	Lead	Decision
SPSF 1: Project 1.10: New Guidance Document on the determination of concentrations of nanomaterials in biological samples for (eco)toxicity	UK	Added to Work Plan
SPSF 2: Project 2.67: Revision of Test Guideline 201 Freshwater Alga and Cyanobacteria, Growth Inhibition Test relating to algal strains	JP	Added to Work Plan
SPSF 3: Project 3.19: New Test Guideline for a marine biodegradation screening test for chemical persistence assessment (MaP test)	UK	Added to Work Plan
SPSF 4: New Test Guideline on BRET-based dimerization assay for the detection of compounds with estrogen receptor $\alpha$ binding affinity	KO	Not included
SPSF 5: New Test Guideline on BRET-based dimerization assay for the detection of compounds with androgen receptor binding affinity	KO	Not included
SPSF 6: Project 4.148: Revision of Test Guideline 442E: Modification of the prediction model of the IL-8 Lu assay (OECD Test Guideline 442E) to improve its performance	JP	Added to Work Plan
SPSF 7: Project 4.149: New Test Guideline for identifying the immunotoxic potential of chemicals using the IL-2 Luc assay	JP	Added to Work Plan
SPSF 8: Project 4.150: New Test Guideline on Cytochrome P-450 (CYP) induction	UK	Added to Work Plan

# Test Guidelines – Aquatic

- § New Test Guideline using fish gill cell line for predicting acute fish toxicity was approved, a potential alternative to the fish acute toxicity test together with other sources of information.
- § New Test Guideline using zebrafish embryo for detecting chemicals that disrupt estrogenic-receptor mediated activity.

\* = US led project

# Test Guidelines – Skin/eye

- § New Test Guideline on Defined Approaches on Skin Sensitisation (DASS).\*
- § New Test Guideline on phototoxicity testing using reconstructed human epidermis model.\*
- § Updated Test Guideline 442C to include the kinetic Direct Peptide Reactivity Assay (DPRA) method for skin sensitisation.
- § Updated Test Guideline 439 to include the Keraskin method for skin irritation.
- § Updated Test Guideline 494 (Vitrigel test method for eye irritation) to augment the applicability domain to include solid test chemicals.
- § Corrected Test Guideline 405 (eye irritation, introduction).
- § Updated Test Guideline 406 (skin sensitisation, introduction about the Buehler test).

\* = US led project

# Guidance and other approved documents

- § New Guidance Document on honeybee homing flight test following single exposure to sub-lethal doses of chemicals.
- § New Guidance Document on leaching of nanomaterials from soil columns, adapted from Test Guideline 312.
- § New Detailed Review Paper on the retinoid pathway disruption impacting several organ systems.
- § Study report on nanomaterial removal from wastewater treatment plants.\*
- § Correction to the Guiding Principles on Good Practices for the Availability/Distribution of Protected Elements in OECD Test Guidelines.

\* = US led project

Questions?

