

SELECT AREAS OF EXPERTISE

■ Agrochemicals

The Science Consortium collaborates with regulators and industry to implement animal-free toxicity testing approaches for agrochemicals. These efforts include projects to replace animal tests for eye irritation, avian dietary toxicity, and carcinogenicity.

■ Industrial Chemicals

Science Consortium members meet with relevant authorities, participate in expert working groups, and publish articles to ensure that non-animal methods are used whenever possible to meet regulatory requirements. In collaboration with Chemical Watch, the Science Consortium organised a free [webinar series](#) on REACH requirements and, with the US EPA, organised a free [webinar series](#) on fulfilling testing requirements using alternative approaches. Acting as interveners in ECHA Board of Appeal cases, the Science Consortium supports companies seeking to annul requests for animal tests.

■ Respiratory Toxicity

Consortium scientists host webinars and workshops on [inhalation toxicity testing](#). The Science Consortium also helped fund the development of a three-dimensional *in vitro* model of the human lower respiratory tract (EpiAlveolar™), donated *in vitro* human respiratory tract tissue models to researchers, and awarded five VITROCELL® *in vitro* inhalation exposure devices to laboratories around the world.

■ Recombinant Antibodies

The Science Consortium co-hosted a meeting of key experts to outline a plan to accelerate the production and use of [animal-free recombinant antibodies](#), resulting in the establishment of ongoing committees to address funding, partnerships, validation, and education. The Science Consortium also funded the development of fully human recombinant antibodies to replace equine-derived diphtheria antitoxins. This support will help develop technology to replace other animal-derived serum products.

■ Medical Device Biocompatibility

Science Consortium members assist medical device companies in adopting non-animal methods to replace required *in vivo* biocompatibility tests and navigating the associated regulatory processes. They also support the use of non-animal methods by organising workshops, coordinating projects under the [FDA's Medical Device Development Tools \(MDDT\) programme](#), and securing pre-submission consultations with regulatory agencies.

You can find all our publications at ThePSCI.eu/Scipubs.

CONTACT US

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PETA Science Consortium International e.V. is registered as an association at the Stuttgart District Court under number VR 724927.

Any mention of our organisation prior to December 2020 refers to the PETA International Science Consortium Ltd.



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PETA SCIENCE CONSORTIUM
INTERNATIONAL e.V. 

Advancing animal-free
approaches to testing with
a focus on regulatory tests
that protect human health
and the environment

ThePSCI.eu

- Funds the development and validation of non-animal test methods
- Organises free workshops, webinars, and hands-on training opportunities
- Collaborates with government agencies, industry, academics, and developers of non-animal test methods
- Performs retrospective data analyses to show when animal data are not being used in regulatory decision-making
- Participates in standard-making organisations, such as the Organisation for Economic Co-operation and Development (OECD) and the International Organization for Standardization (ISO)

“PETA Science Consortium International has proven to be one of our best collaborators and many of our efforts simply would not have been possible without them. Their dedication to rigorous science and quality work has earned the Science Consortium a well-deserved reputation as an organization at the forefront of changing the way toxicology testing is done: significantly reducing animal testing while improving human health relevance.”

— Warren Casey, PhD, DABT
Executive Director, Interagency Coordinating Committee
on the Validation of Alternative Methods
Acting Chief, Biomolecular Screening Branch
National Institute of Environmental Health Sciences

Funding the Development and Validation of Animal-Free Tests

The Science Consortium and its individual members have contributed [millions](#) of euros towards improving and implementing non-animal approaches to testing. Funded projects include the advancement of QSAR models (e.g. the OECD QSAR Toolbox) and other non-animal models for assessing skin sensitisation, skin and eye irritation, inhalation toxicity, endocrine activity, and shellfish toxins.

Advancing International Harmonisation

The Science Consortium promotes [international harmonisation](#) through the following:

- Stakeholder status in the European Chemicals Agency (ECHA)
- Membership in the European Union Reference Laboratory for alternatives to animal testing (EURL ECVAM) stakeholder forum
- Participation in the OECD as a member of the International Council on Animal Protection in OECD Programmes
- Participation in the review of international pharmaceutical test guidelines as a member of the International Council on Animal Protection in Pharmaceutical Programmes
- Participation in expert committees of the Indian Pharmacopoeia Commission

Public Awareness and Training

The Science Consortium ensures that information regarding the use of non-animal tests is accessible to all. It [publishes](#) articles in peer-reviewed journals and presents its work at scientific conferences. It also develops [factsheets](#) for researchers and organises [free workshops and webinars](#) as well as training sessions for regulators.

