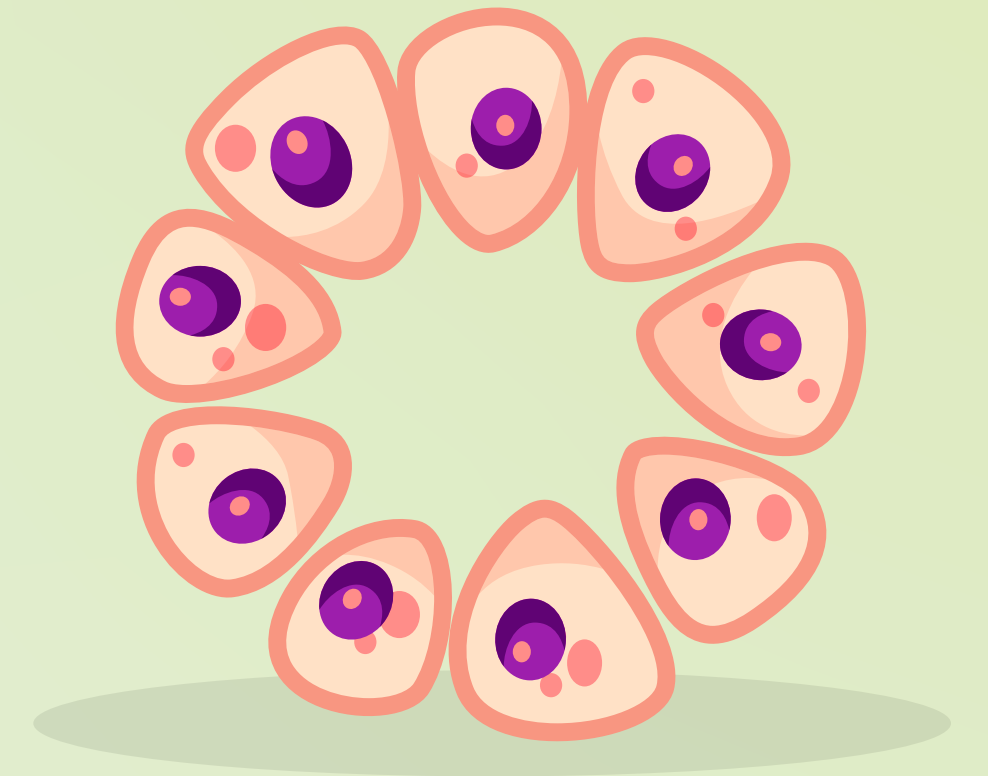




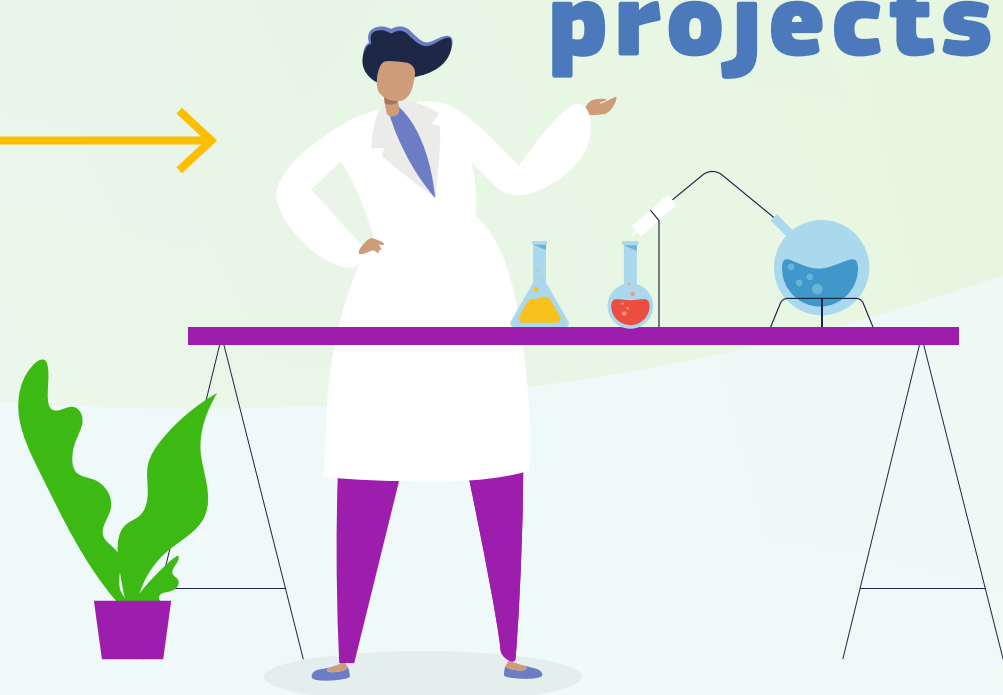
ALTERNATIVES TO ANIMAL TESTING



THE COMMISSION INVESTED

> €1 billion

> 300 projects



Over the last two decades, the European Commission has substantially supported alternatives to animal testing

AVERAGE ANNUAL BUDGET

31
11M€
FP5
5th Framework Programme

35
32M€
FP6
6th Framework Programme

84
48M€
FP7
7th Framework Programme

152
76M€
H2020
Horizon 2020

■ Projects supported by the European Commission

WHAT DO WE WANT TO DO WITH IT ?

Changing the paradigm in safety testing of chemicals and drugs and developing efficient complementary tools for biomedical research

WHY THEY ARE IMPORTANT ?

HUMAN-RELEVANT
Improve predictability and robustness of studies for scientists and regulators

VERSATILE
Answer questions that current methods cannot address

ETHICAL
Animal protection: replace/reduce/refine animals (3Rs)

SUSTAINABLE/AUTONOMOUS
Independent of shortage/quality with animals



WHY IS UPTAKE OF ALTERNATIVES TO ANIMAL TESTING SLOW ?

Limited awareness of and confidence in Alternatives to animal testing from regulators

Insufficient availability of Alternatives to animal testing to cover complex regulatory endpoints or all aspects of biomedical sciences

Lack of investment in Member States to fund additional Alternatives to animal testing and dedicated infrastructures

Lack of resources in Member States to qualify/standardize/validate Alternatives to animal testing

Limited coverage in university teaching



IT TAKES TIME ...

Example of *in vitro* method for skin sensitisation
From FP6 SENS-IT-IV project to GARD Method (Genomic Allergen Rapid Detection)

START
2005

END
2011

VALIDATION
(EURL ECVAM)
2017-2021

EU LEGISLATION
2023
Regulatory Approval

SENS-IT-IV
Development

GARD Method
Market

2014
SPIN-OFF Lund University

2022
OECD Test Guideline

WE CONTINUE INVESTING IN RESEARCH

for the development of animal-free safety assessment, and expand it beyond

INCREASED DIALOGUE WITH STAKEHOLDERS (INDUSTRY, REGULATORS, CROs)

H2020



Animal-free Safety
Project cluster for Implementation
of novel Strategies

Horizon Europe



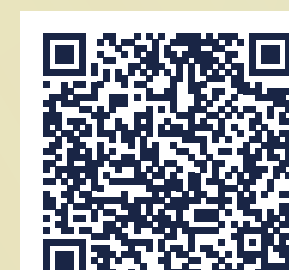
Partnership for the Assessment
of Risk from Chemicals



Innovative Health Initiative

Research and
Innovation

DISCOVER
FUNDING
OPPORTUNITIES:



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