



## The 2022 CRACK IT Challenges Competition is now open – Invitation to Tender

UK- and EU- based applicants are invited to tender for the 2022 CRACK IT Challenges. The aim of the competition is to develop technologies with potential [3Rs\\*](#) benefits into new products and methodologies for the biosciences research community. The Challenges are detailed in the Challenge briefs.

The 2022 CRACK IT Challenges competition consists of two Challenges: one [Two Phase Challenge](#) and one [Single Phase Challenge](#). All Challenges have been developed jointly by the NC3Rs and Sponsors. The 2022 CRACK IT Challenges competition is funded by the NC3Rs, with further resources from Challenge Partners Health and Environmental Sciences Institute (HESI).

In-kind contributions are provided by the Challenge Sponsors. There are six Sponsors: Novartis, Takeda, AstraZeneca, Sonomabio, GentiBio and Shell.

The two 2022 Challenges are:

- [Challenge 42 – T-ALERT](#): Animal-free tumourigenicity assessment of CAR-T and other genetically modified T cells
- [Challenge 43 – Thyroid Tox](#): Development of an *in silico* model to predict thyroid receptor-mediated human endocrine disruption

The Two Phase Challenge 42 – T-ALERT offers up to £1M funding and a research contract for up to three years. The Single Phase Challenge 43 – Thyroid Tox offers up to £100k funding and a research contract for up to 18 months. The specific budget and duration of each Challenge can be found in the Challenge briefs.

More details on the Challenges, the competition and how to apply can be found on the [NC3Rs Innovation platform](#).

This Invitation to Tender should be read in conjunction with other documents associated with this competition. The Guide for Participants provides further details on the competition and includes the rules applying to Sponsors and applicants.

**Open dates:** 8 September 2022

**Close dates:** 27 October 2022, 12:00pm (noon) GMT (Two Phase Challenge 42 – T-ALERT, Phase 1)



3 November 2022, 12:00pm (noon) GMT (Single Phase Challenge 43 – Thyroid Tox)

\*The 3Rs: the replacement, refinement and reduction of the use of animals in research and testing.