



Strategic Award: Development of an AOP for cardiotoxicity

Additional guidance for writing the case for support

The information provided within this document is intended to be reviewed in conjunction with that detailed within section 4.5 of the [Applicant and Grant Holder Handbook](#), when writing the case for support.

Please note that the case for support should not exceed four sides of A4.

Scientific importance and 3Rs impact

Please highlight:

- Which of the 'Rs' applies when a fully-described Adverse Outcome Pathway (AOP) is available and why this is required in the area of cardiotoxicity
- How the replacement, refinement and/or reduction would be achieved if a fully-described AOP was available for cardiotoxicity
- The likely scale of replacement/reduction in animal use and/or improvement in animal welfare if a fully-described AOP was available for cardiotoxicity

Give sufficient details of other past and current AOPs to show that the principles are scientifically justified. Show that application of the proposed AOP will add distinct value to the models currently used or in development by others.

What, if any, additional steps will be required before an advance in the 3Rs can be implemented by application of this AOP (are any gaps already identified)? Think about how the AOP, if successfully described, would be considered by industry and whether it tackles industry needs?

Research plans

Give details of the approach you would take to describe the AOP. In particular, describe your access to literature search facilities and resources.

Environment, people and track record

Describe how the scientific environment in which the project will be performed will increase the chances of success. Does your proposal include suitable expertise in the area of AOPs, Ca²⁺ channels and cardiotoxicity? Are you familiar with OECD applications/processes? Have you performed and published comprehensive literature reviews?