12th World Congress (WC12) on Alternatives and Animal Use in the Life Sciences

THEME: Refinement and Impact on Science

SESSION 442: From systematic reviews to pre-registration: Streamlining for Better Research

ABSTRACT 101: Working towards the 'essential 10'.

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Within the laboratory animal sciences, we have some great best practice guidelines for planning (the PREPARE guidelines) and reporting (ARRIVE 2.0) animal studies. The ability to report 'the essential 10' as defined within ARRIVE 2.0 (1. Study design; 2. Sample size; 3. Inclusion and exclusion criteria; 4. Randomisation; 5. Blinding; 6. Outcome measures; 7. Statistical methods; 8. Experimental animals; 9. Experimental procedures; 10. Results) does not happen by chance. It requires planning, excellent communication and input from all members of the scientific and animal care team. In this presentation I will discuss what delivery of the 'essential 10' means in practice. I will share freely available tools and resources to support implementation of the 'essential 10', plus some hints and tips that I have picked up during my own career working within the laboratory animal science sector.