## **Resource Summary Report**

Generated by dkNET on May 20, 2025

# **Experimental Design Assistant**

RRID:SCR\_017019

Type: Tool

## **Proper Citation**

Experimental Design Assistant (RRID:SCR\_017019)

#### **Resource Information**

URL: https://eda.nc3rs.org.uk/

**Proper Citation:** Experimental Design Assistant (RRID:SCR\_017019)

**Description:** Web based tool to help in vivo researchers improve design, conduct, analysis and reporting of animal experiments. Provides automated feedback on proposed design and generates graphical summary that aids communication with colleagues, founders and regulatory authorities. Addresses causes of irreproducibility.

**Abbreviations: EDA** 

Synonyms: EDA, Experimental Design Assistant (EDA), Experimental Design Assistant

Resource Type: software resource, web application, service resource

**Defining Citation: PMID:28957312** 

Keywords: in vivo, design, conduct, analysis, reporting, animal, experiment, irreproducibility,

bio.tools

**Funding:** 

Availability: Free, Freely available

Resource Name: Experimental Design Assistant

Resource ID: SCR 017019

Alternate IDs: biotools:eda

Alternate URLs: https://bio.tools/eda

**Record Creation Time:** 20220129T080333+0000

**Record Last Update:** 20250519T203944+0000

### Ratings and Alerts

No rating or validation information has been found for Experimental Design Assistant.

No alerts have been found for Experimental Design Assistant.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 185 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET.

Santambrogio A, et al. (2025) SOX2+ sustentacular cells are stem cells of the postnatal adrenal medulla. Nature communications, 16(1), 16.

Kasali FM, et al. (2024) Effects of Physalis peruviana L. (leaf crude extracts) on blood glucose and functional biomarkers in streptozotocin-nicotinamide-induced diabetic rats. Die Pharmazie, 79(1), 6.

Butzke D, et al. (2024) SMAFIRA: a literature-based web tool to assist researchers with retrieval of 3R-relevant information. Laboratory animals, 58(4), 369.

Wood L, et al. (2024) Fasting before Intra-Gastric Dosing with Antigen Improves Intestinal Humoral Responses in Syrian Hamsters. Vaccines, 12(6).

Khan AA, et al. (2024) Enteric nervous system regeneration and functional cure of experimental digestive Chagas disease with trypanocidal chemotherapy. Nature communications, 15(1), 4400.

Segura-Cervantes E, et al. (2024) Body composition and metabolic consequences of antibiotics most frequently administered to newborns in intensive care units: an experimental study in healthy newborn rats. Frontiers in medicine, 11, 1369797.

Niu K, et al. (2024) An unexpected role of IL10 in mesoderm induction and differentiation from pluripotent stem cells: Implications in zebrafish angiogenic sprouting, vascular organoid development, and therapeutic angiogenesis. European journal of cell biology, 103(4),

151465.

Yan Y, et al. (2024) piR-1919609 Is an Ideal Potential Target for Reversing Platinum Resistance in Ovarian Cancer. Technology in cancer research & treatment, 23, 15330338241249692.

da Fonseca Cardoso LM, et al. (2024) Software for animal randomization: A tool for increasing the reproducibility of science. Laboratory animals, 58(2), 164.

de Marchi DD, et al. (2024) Weight and Glucose Control in Rats Submitted to Sleeve Gastrectomy with Cafeteria Diet-Induced Obesity. Journal of laparoendoscopic & advanced surgical techniques. Part A, 34(1), 11.

von Kortzfleisch VT, et al. (2024) Systematic heterogenization revisited: Increasing variation in animal experiments to improve reproducibility? Journal of neuroscience methods, 401, 109992.

Wang T, et al. (2024) Design and lyophilization of mRNA-encapsulating lipid nanoparticles. International journal of pharmaceutics, 662, 124514.

Hill TG, et al. (2024) Loss of electrical ?-cell to ?-cell coupling underlies impaired hypoglycaemia-induced glucagon secretion in type-1 diabetes. Nature metabolism, 6(11), 2070.

Kaiser M, et al. (2024) Ten simple rules for establishing an experimental lab. PLoS computational biology, 20(1), e1011778.

de la Rosa T, et al. (2024) A Systematic Review and Meta-Analysis of Anxiety- and Depressive-Like Behaviors in Rodent Models of Neuropathic Pain. Biological psychiatry global open science, 4(6), 100388.

Trivedi S, et al. (2024) Ferrous ascorbate non-effervescent floating mini-caplets as an oral iron supplement. Drug delivery and translational research.

Brownlie RJ, et al. (2024) OT-I TCR Transgenic Mice to Study the Role of PTPN22 in Anticancer Immunity. Methods in molecular biology (Clifton, N.J.), 2743, 81.

Karuppasamy M, et al. (2024) Standardization of zebrafish drug testing parameters for muscle diseases. Disease models & mechanisms, 17(1).

Bisio MMC, et al. (2024) Listen to what the animals say: a systematic review and metaanalysis of sterol 14-demethylase inhibitor efficacy for in vivo models of Trypanosoma cruzi infection. Parasitology research, 123(6), 248.

Verhave PS, et al. (2024) Methods for applying blinding and randomisation in animal experiments. Laboratory animals, 58(5), 419.