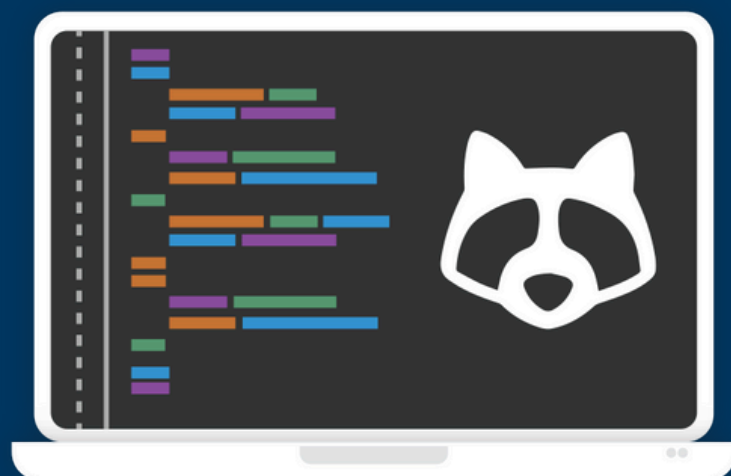# Reproducible Experiments with Protocols.io

Are you conducting experimental research? Does your lab need a better way to manage and collaborate on detailed experiment documentation? UCSB researchers have free premium access to Protocols.io for creating, sharing, and managing detailed protocols. Enhance the transparency, reproducibility, and efficiency of your research by leveraging this powerful tool.

What is protocols.io?

A collaborative research management platform designed to support the creation, sharing, and refinement of detailed, interactive, and reproducible scientific protocols. This platform enables researchers to document and manage methodologies, including experimental techniques, computational workflows, operational procedures, and safety protocols, addressing the common challenges of poor reporting and inadequate management of these critical components in academic publications.

With Protocols.io you can:

▶ Create versioned step-by-step protocols that can be run as checklists for easy review and revision.

▶ Capture details of computational analyses (parameters, specifics of the pipelines, versions and locations of datasets, software, etc.) and integrate it with GitHub and Jupyter Notebooks.

▶ Specify detailed information for lab components such as materials (reagents, equipments, etc.) and conditions (concentration, pH, humidity, etc.)

▶ Incorporate guidelines, safety warnings, pre-start information, and ethics statements to ensure precise protocol execution.

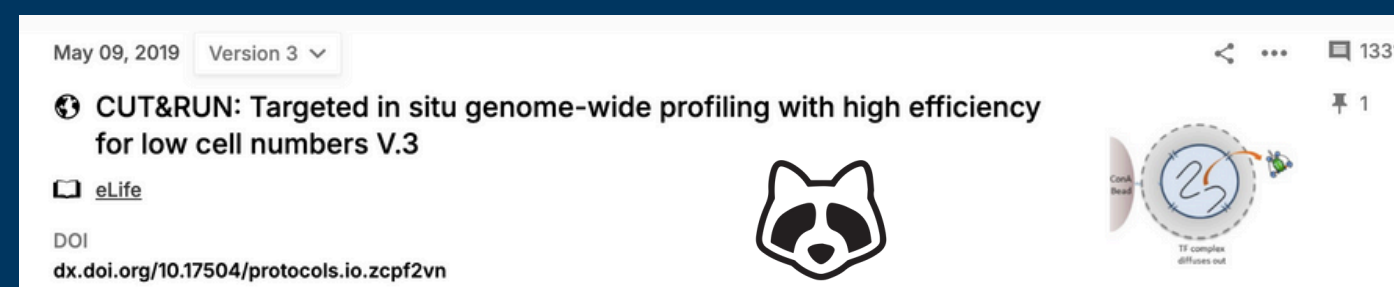▶ Connect and reference materials, publications and related protocols for enhanced interpretation and reproducibility.

and much more...

Premium features available to you:

- Establish private and secure workspaces
- Create unlimited private protocols
- Share notebook records
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- Leverage the reagent manager tool
- Access personalized 1-on-1 training and support
- Export and back up protocols

Check an example!

Curious about what a research protocol created with the tool looks like, or looking for inspiration?

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CUT&RUN: Targeted in situ genome-wide profiling with high efficiency for low cell numbers V.3

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