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Version 3

Examples of protocols on protocols.io from different disciplines V.3

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Protocol status: Working

We use this protocol and it's working

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Keywords: examples of protocol, protocol, public protocols on the platform, public protocol, examples from different discipline, many guideline, guideline, research method, research, including molecular biology

Abstract

We warmly welcome all research methods. While the origin of the platform was more biology/wetlab, we expanded to support all fields when we partnered with PLOS ONE in 2017.

There is now a diverse spectrum of research methods that are shared on protocols.io, including molecular biology, computational, human, medical, psychology, geosciences, political science, and other. We also have many guidelines, best practices, and teaching documents on protocols.io - all of these are appropriate.

Below you will find some examples from different disciplines. Please note that this is just a subset from over 12,000 public protocols on the platform.



Molecular Biology

- 1
 - [Micropatterning EM grids for cryo-electron tomography of cells](#)
 - [Engineering brain assembloids to interrogate human neural circuits](#)
 - [High quality DNA from Fungi for long read sequencing e.g. PacBio V.11](#)
 - [mcSCRB-seq protocol V.2](#)
 - [Monkeypox virus multiplexed PCR amplicon sequencing \(PrimalSeq\) V.2. V.2](#)
 - [Human Liver Caudate Lobe Dissociation for ScRNA-seq V.2](#)

Medical/trials

- 2
 - [MELD Protocol 1 - Patient and Control Inclusion in the MELD Project](#)
 - [Acceleration of small bowel motility after oral administration of dai-kenchu-to \(TJ-100\)](#)
 - [Digitally Enhanced Recovery: Investigating the Use of Digital Self-Tracking for...](#)
 - [Repeat multiparametric MRI in prostate cancer patients on active surveillance](#)
 - [Does Perineural Clonidine Prolong the Duration of an Adductor Canal Block When...](#)

Archeology

- 3
 - [Stone Tools Illustrations with Vector Art: The 'STIVA' Method V.2](#)
 - [StyroStone: A protocol for scanning and extracting three-dimensional meshes of stone artefacts...](#)
 - [Small Object and Artefact Photography - 'SOAP' Protocol V.3](#)
 - [Version 2 Mar 09, 2022 High Resolution "DIY" Photogrammetry - 'HRP' Protocol V.2](#)
 - [An archaeological experiment focused on the intuitive way of long bones breakage...](#)
 - [Tracing long-term demographic changes: The issue of spatial scales](#)
 - [Dental Calculus Field-Sampling Protocol \(Sabin version\) V.1](#)

Computational/software/data-related workflows

- 4
 - [Assembly Procedure Applied to TARA Oceans Data \(Ex. North Pacific\)](#)
 - [Processing Single Cell Calling Card Sequencing Data](#)
 - [Protocol for a reproducible circRNA analysis using Docker4Circ V.4](#)
 - [Mathematical models for understanding the genetic diversity of the new coronavirus...](#)
 - [Creating Tensor Maps](#)
 - [Phenotyping 3D coral models in MeshLab](#)
 - [Assessing sequence quality in GalaxyTrakr V.2](#) (part of FDA's [GenomeTrakr group](#))



- [Gas chromatographic detection of Sesquiterpenoids in Dodecane using Perkin Elmer GC 580](#)
- [Molecular Docking - An easy protocol](#)
- [Applying vContact to Viral Sequences and Visualizing the Output \(Cyverse\) V.5](#)

Ecology

- 5
 - [Field survey of the population dynamics of common ragweed \(*Ambrosia artemisiifolia*\) V.2](#)
 - [Estimation of viral-induced phytoplankton mortality using the modified dilution method](#)
 - [Fingerprinting aquatic virus communities using pulsed field gel electrophoresis \(PFGE\)](#)
 - [Modeling ecological drivers in marine viral communities using comparative metagenomics...](#)

Psychology

- 6
 - [Experimental procedure of Household Activities and Physical Activity](#)
 - [Personality assessment protocol V.2](#)
 - [Acceptance of Different Design Exergames in Elders V.3](#)
 - [Conducting Online Research With Infants](#)

Animal behavior

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 - [Active Avoidance protocol 01282020](#)
 - [Insulin Tolerance Test in Mouse](#)
 - [Pelvic nerve implantation, testing and processing in awake rats](#) (collection)
 - [Elevated Plus Maze](#)
 - [Open Field Test](#)
 - [Hot Water Tail Immersion Test V.1](#)
 - [Octopus social tolerance experiment](#)
 - [Preparing flies for Buridan's Paradigm](#)

Genomic/sequencing

- 8
 - [mcSCRB-seq protocol V.2](#)
 - [Viral to metazoan marine plankton nucleotide sequences from the Tara Oceans expedition](#)
 - [Select, load, annotate, normalize, and process toxicogenomic raw data from GEO and ArrayExpress](#)
 - [The pipeline of assembly and annotation V.1](#) (part of a [collection](#))
 - [SARS-CoV-2 Genomic Variation - African perspective](#)

- [De novo transcriptome assembly workflow](#)

Device/instrumentation/experiment setup

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 - [Assembly Instructions for colosseum V.2](#)
 - [Functional calibration for trunk and lower limb fixed inertial sensors V.2](#)
 - [Method for Bench Testing Speculum and/or speculum-alternatives in a Vaginal Phantom](#)
 - [OptoPlate Calibration protocol](#) (optogenetics)
 - [Light/dark preference test for adult zebrafish \(Danio rerio\) V.2](#) (with diagrams and video; also behavior)
 - [Headbar implantation](#)
 - [Assembling LED Controller Electronics V.4](#) (very detailed diagrams; part of [this collection](#))
 - [Radius of Curvature Measurements to Determine Best Location for Fresh Osteochondral Allograft...](#)
 - [EIT data acquisition in rat sciatic nerve using stimulation of tibial and peroneal branches](#) (rat nerve imaging)
 - [Building up chemostats for experimental eco-evolutionary studies V.2](#)
 - [High throughput pipette-tip hydroponics for collecting salt stress samples for RNA-seq](#)
 - [Intravenous Jugular Catheterization for Rats V.1](#)
 - [Marchantia high throughput imaging in multiwell plates V.2](#)
 - [3 Pre-imaging Setup for High Resolution AFM in Fluid](#)
 - [Spatial metabolomics of in situ, host-microbe interactions...](#)
 - [FLAVONOID PROFILING BY LIQUID CHROMATOGRAPHY COUPLED TO...](#)
 - [ARMS_partB_Assembly](#)
 - [Laboratory calibration of soil moisture sensors in porous media \(repacked soils\) V.2](#)
 - [Simultaneous Sentek and ML3 calibration](#)
 - [Optogenetically stimulating enteric neurons in the murine large intestine](#) (optogenetics)

Reviews and meta-analysis

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 - [The anxiolytic effect of probiotics: A systematic review and meta-analysis of the clinical and preclinical literature](#)
 - [Systematic review and meta-analysis of Mendelian randomisation studies on modifiable risk factors...](#)
 - [Exploration of rehabilitation through the use of virtual reality interventions for patients with...](#)
 - [Consistency in Identity Related Sequential Decisions V.2](#)



Chemistry

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 - Consistency in Identity Related Sequential Decisions V.2
 - Bubble strip aqueous gas sampling V.4
 - Ligand docking using Patchdock for Biochemistry I
 - Standard Operating Procedure (SOP) for the Analysis of α -Cypermethrin...
 - Synthesis of fluorinated neonicotinoids
 - (-)- α -Bisabolol GC sample preparation