

Resource Summary Report

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Chlamydomonas Resource Center

RRID:SCR_014960

Type: Tool

Proper Citation

Chlamydomonas Resource Center (RRID:SCR_014960)

Resource Information

URL: <http://www.chlamycollection.org/>

Proper Citation: Chlamydomonas Resource Center (RRID:SCR_014960)

Description: Central repository that receives, catalogs, preserves, and distributes wild type and mutant cultures of the green alga *Chlamydomonas reinhardtii*, as well as useful molecular reagents and kits for education and research.

Abbreviations: CRC

Synonyms: Chlamydomonas Resource Center (CRC)

Resource Type: material resource, biomaterial supply resource, organism supplier

Keywords: *Chlamydomonas reinhardtii*, green alga, chloroplast, flagellar assembly, chloroplast genomes, catalog, FASEB list

Funding: NSF 0951671;
NSF 00017383

Availability: Commercially available

Resource Name: Chlamydomonas Resource Center

Resource ID: SCR_014960

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260810T040630+0000

Ratings and Alerts

No rating or validation information has been found for Chlamydomonas Resource Center.

No alerts have been found for Chlamydomonas Resource Center.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 181 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Gill GK, et al. (2026) Phenotypic heterogeneity in a batch culture of *Chlamydomonas reinhardtii* with different light tolerances. *PloS one*, 21(5), e0330144.

Zaeem A, et al. (2026) The amino terminus of PetD is essential for cytochrome b6 f function and the negative feedback control of STT7 kinase. *Nature plants*, 12(6), 1232.

Molina-Márquez A, et al. (2026) Characterization of Phytoene Desaturase Knockout Carotenoid-Deficient Microalgal Mutants Generated by Cas9-Ribonucleoprotein Complexes. *Physiologia plantarum*, 178(2), e70811.

Tazon AW, et al. (2026) Engineering bidirectional chloroplast promoters for tunable co-expression of multiple genes in microalgae (*Chlamydomonas reinhardtii*). *Communications biology*, 9(1), 202.

Shimamura D, et al. (2026) A nuclear CobW/WW-domain factor represses the CO₂-concentrating mechanism in the green alga *Chlamydomonas reinhardtii*. *Proceedings of the National Academy of Sciences of the United States of America*, 123(6), e2518136123.

Mitra M, et al. (2026) Complete genomic sequences of the single chromosome and four putative plasmids of *Sphingobium yanoikuyae* strain CC4533. *Microbiology resource announcements*, 15(2), e0118125.

He S, et al. (2026) Kinase KEY1 controls pyrenoid condensate size throughout the cell cycle by disrupting phase separation interactions. *Nature cell biology*, 28(4), 725.

Yamamoto R, et al. (2026) Culture method for promoting efficient ciliary growth in the *Chlamydomonas* pf23 mutant defective in dynein preassembly. *microPublication biology*, 2026.

Wang Y, et al. (2026) The RUS1 (ROOT UVB SENSITIVE 1) Protein Is Required for Cold Resistance in *Chlamydomonas reinhardtii*. *Cells*, 15(8).

Zacharia NK, et al. (2026) Intraflagellar transport protein IFT172 contains a C-terminal ubiquitin-binding U-box-like domain involved in ciliary signaling. *eLife*, 14.

Sim EJ, et al. (2025) Cell-Penetrating Peptide-Based Triple Nanocomplex Enables Efficient Nuclear Gene Delivery in *Chlamydomonas reinhardtii*. *Biotechnology and bioengineering*, 122(8), 2218.

Boccara M, et al. (2025) Label-free metabolic imaging and energy costs in *Chlamydomonas*. The European physical journal. E, Soft matter, 48(6-7), 38.

Clark-Cotton MR, et al. (2025) Imaging-based screen identifies novel natural compounds that perturb cell and chloroplast division in *Chlamydomonas reinhardtii*. Molecular biology of the cell, 36(4), br14.

Melero-Cobo X, et al. (2025) MoCloro: an extension of the *Chlamydomonas reinhardtii* modular cloning toolkit for microalgal chloroplast engineering. Physiologia plantarum, 177(1), e70088.

Hou Y, et al. (2025) Activation of the ciliary kinase CDKL5 is mediated by the cyclin-dependent kinase CDK20/LF2 to control flagellar length. PLoS biology, 23(12), e3003560.

Jiang Z, et al. (2025) Model Construction and Prediction of Combined Toxicity of Arsenic(V) and Lead(II) on *Chlamydomonas reinhardtii*. Biology, 14(10).

Garaeva L, et al. (2025) Microalgae-Derived Vesicles: Natural Nanocarriers of Exogenous and Endogenous Proteins. Plants (Basel, Switzerland), 14(15).

Zegarra Borlando FE, et al. (2025) Knock Down of *Chlamydomonas reinhardtii* Phytyl Ester Synthase ? Triggers DGAT3 Overexpression and Triacylglycerol Accumulation Under Low-Light Conditions. Plants (Basel, Switzerland), 14(19).

Yu H, et al. (2025) Profiling truncated variants of TCTN1 unveils the essential role of its integrity for ciliogenesis. iScience, 28(12), 114190.

Hu YY, et al. (2025) Amyloid ?-peptide multimer expressed in green algae efficiently inhibits bacteria growth by disrupting cell membrane permeability. Scientific reports, 15(1), 34228.