

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 [SPARC SAWG](#) .

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

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.

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.

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.

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.

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.

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.

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.

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.

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.

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).

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).

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

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

He S, et al. (2025) Kinase KEY1 controls pyrenoid condensate size throughout the cell cycle by disrupting phase separation interactions. *bioRxiv : the preprint server for biology*.