

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: biomaterial supply resource, organism supplier, material resource

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

Funding: NSF 0951671;
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Availability: Commercially available

Resource Name: Chlamydomonas Resource Center

Resource ID: SCR_014960

Record Creation Time: 20220129T080323+0000

Record Last Update: 20260801T190519+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 146 mentions in open access literature.

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

Dhawan G, et al. (2025) Light-dark dependent changes in chloroplast and mitochondrial activity in *Chlamydomonas reinhardtii*. *Frontiers in plant science*, 16, 1622214.

Liu X, et al. (2025) Hidden diversity: Transcriptomic and photosynthetic variation among common 'wild type' *Chlamydomonas* strains. *The Plant journal : for cell and molecular biology*, 124(5), e70615.

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.

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*.

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.

Dann M, et al. (2025) CurT/CURT1 proteins are involved in cell and chloroplast division coordination of cyanobacteria and green algae. *Nature communications*, 16(1), 8424.

Chen ICK, et al. (2025) Genetic Predisposition Toward Multicellularity in *Chlamydomonas reinhardtii*. *Genome biology and evolution*, 17(6).

Murakami S, et al. (2025) Global identification of AGO3-RNA interactions reveals targets of small RNA-mediated gene regulation in *Chlamydomonas reinhardtii*. *Plant & cell physiology*, 66(6), 940.

Dutra Molino JV, et al. (2025) Efficient secretion of a plastic degrading enzyme from the green algae *Chlamydomonas reinhardtii*. *Scientific reports*, 15(1), 24690.

Fujimura-Kamada K, et al. (2025) From photoprotection to plasticity: transposon activation in the *Chlamydomonas det1* mutant. *The New phytologist*, 248(2), 807.

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

Rolo D, et al. (2024) CO-EXPRESSED WITH PSI ASSEMBLY1 (CEPA1) is a photosystem I assembly factor in *Arabidopsis*. *The Plant cell*, 36(10), 4179.

Liu X, et al. (2024) The role of the pigment-protein complex LHCBM1 in nonphotochemical quenching in *Chlamydomonas reinhardtii*. *Plant physiology*, 194(2), 936.

Poulhazan A, et al. (2024) Molecular-level architecture of *Chlamydomonas reinhardtii*'s glycoprotein-rich cell wall. *Nature communications*, 15(1), 986.

Fu G, et al. (2024) The MBO2/FAP58 heterodimer stabilizes assembly of inner arm dynein b and reveals axoneme asymmetries involved in ciliary waveform. *Molecular biology of the cell*, 35(5), ar72.

Schmelling NM, et al. (2024) What is holding back cyanobacterial research and applications? A survey of the cyanobacterial research community. *Nature communications*, 15(1), 6758.