

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: organism supplier, biomaterial supply resource, material resource

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: 20250426T060438+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 130 mentions in open access literature.

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

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.

Calatrava V, et al. (2024) Genetic evidence for algal auxin production in Chlamydomonas and its role in algal-bacterial mutualism. *iScience*, 27(1), 108762.

Li A, et al. (2024) Structural basis for an early stage of the photosystem II repair cycle in Chlamydomonas reinhardtii. *Nature communications*, 15(1), 5211.

Sakato-Antoku M, et al. (2024) Methylation of ciliary dynein motors involves the essential cytosolic assembly factor DNAAF3/PF22. *Proceedings of the National Academy of Sciences of the United States of America*, 121(5), e2318522121.

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.

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.

Lauritano C, et al. (2024) Salinity Stress Acclimation Strategies in Chlamydomonas sp.

Revealed by Physiological, Morphological and Transcriptomic Approaches. *Marine drugs*, 22(8).

Findinier J, et al. (2024) Dramatic Changes in Mitochondrial Subcellular Location and Morphology Accompany Activation of the CO₂ Concentrating Mechanism. *bioRxiv* : the preprint server for biology.

Sayer AP, et al. (2024) Conserved cobalamin acquisition protein 1 is essential for vitamin B12 uptake in both *Chlamydomonas* and *Phaeodactylum*. *Plant physiology*, 194(2), 698.

Penny GM, et al. (2024) Gene dosage of independent dynein arm motor preassembly factors influences cilia assembly in *Chlamydomonas reinhardtii*. *PLoS genetics*, 20(3), e1011038.

Peltier G, et al. (2024) Alternative electron pathways of photosynthesis power green algal CO₂ capture. *The Plant cell*, 36(10), 4132.

Geng S, et al. (2023) A conserved RWP-RK transcription factor VSR1 controls gametic differentiation in volvocine algae. *Proceedings of the National Academy of Sciences of the United States of America*, 120(29), e2305099120.

Kreis E, et al. (2023) TurboID reveals the proximiomes of *Chlamydomonas* proteins involved in thylakoid biogenesis and stress response. *Plant physiology*, 193(3), 1772.

Saravanan S, et al. (2023) In vivo imaging reveals independent intraflagellar transport of the nexin-dynein regulatory complex subunits DRC2 and DRC4. *Molecular biology of the cell*, 34(2), br2.

Zou S, et al. (2023) Microalgal glycerol-3-phosphate acyltransferase role in galactolipids and high-value storage lipid biosynthesis. *Plant physiology*, 192(1), 426.

Akram M, et al. (2023) Cloning and expression of an anti-cancerous cytokine: human IL-29 gene in *Chlamydomonas reinhardtii*. *AMB Express*, 13(1), 23.

Caspari OD, et al. (2023) Converting antimicrobial into targeting peptides reveals key features governing protein import into mitochondria and chloroplasts. *Plant communications*, 4(4), 100555.