

Resource Summary Report

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dictyBase - Teaching Tools Using Dictyostelium discoideum

RRID:SCR_010701

Type: Tool

Proper Citation

dictyBase - Teaching Tools Using Dictyostelium discoideum (RRID:SCR_010701)

Resource Information

URL: http://dictybase.org/teaching_tools/index.html

Proper Citation: dictyBase - Teaching Tools Using Dictyostelium discoideum (RRID:SCR_010701)

Description: Dictyostelium discoideum is a great organism to use to teach cellular biology. It exhibits very interesting behaviors, such as chemotaxis and phagocytosis, that can readily be studied in standard laboratories without the need for expensive equipment. Lists of labs being used in real courses settings and all necessary information for performing those experiments are provided. Major headings: * Dictyostelium cell biology course, by Dr. David Knecht, University of Connecticut * Dictyostelium cell biology, by Dr. Derrick Brazill, Hunter College, New York * Report on the number of cells in a slug, contributed by John Bonner * Practical on chemotaxis, by Dr. Thierry Soldati, University of Geneva * Comments from Researchers * References suggested by contributors

Synonyms: Teaching Tools Using Dictyostelium discoideum

Resource Type: data or information resource, training material, narrative resource

Resource Name: dictyBase - Teaching Tools Using Dictyostelium discoideum

Resource ID: SCR_010701

Alternate IDs: nlx_83913

Record Creation Time: 20220129T080300+0000

Record Last Update: 20260731T042838+0000

Ratings and Alerts

No rating or validation information has been found for dictyBase - Teaching Tools Using Dictyostelium discoideum.

No alerts have been found for dictyBase - Teaching Tools Using Dictyostelium discoideum.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Suma HR, et al. (2025) Pleiotropic regulation of bacterial toxin production and Allee effect govern microbial predator-prey interactions. ISME communications, 5(1), ycaf031.

Katoh-Kurasawa M, et al. (2025) Mutual suppression between mutations in the Dictyostelium Greenbeard pathway restores wild-type development. BMC genomics, 26(1), 563.

Kim GD, et al. (2025) Pools of Independently Cycling Inositol Phosphates Revealed by Pulse Labeling with ¹⁸O-Water. Journal of the American Chemical Society, 147(21), 17626.

Aoki MM, et al. (2024) Biochemical characterization of a unique cytokinin and nucleotide phosphoribohydrolase Lonely Guy protein from Dictyostelium discoideum. Biochemistry and biophysics reports, 39, 101756.

Westbrook ER, et al. (2023) Collective signalling drives rapid jumping between cell states. Development (Cambridge, England), 150(23).