Resource Summary Report

Generated by dkNET on Apr 28, 2025

Biointeractive

RRID:SCR_004388
Type: Tool

Proper Citation

Biointeractive (RRID:SCR_004388)

Resource Information

URL: http://www.hhmi.org/biointeractive/

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Description: Collection of biology-focused teaching materials created and administered by the Howard Hughes Medical Institute including free lectures, videos and animations for science education. Many of the resources are also available on DVD and CD-ROM. In addition to the resources on the website, BioInteractive offers DVDs of HHMI''s annual Holiday Lectures on Science and CD-ROMs of the Virtual Lab series. These materials are available to educators for free and can be ordered from the catalog at http://catalog.hhmi.org. Each Holiday Lectures on Science is a set of four one-hour lectures presented each December at the headquarters of the Howard Hughes Medical Institute in Chevy Chase, Maryland . The lectures give students and teachers the opportunity to learn about cutting-edge biomedical research directly from some of the world''s leading scientists. Intended to inspire young students to pursue careers in science, the lectures bring the latest developments in a rapidly moving field of research into the classroom. The lectures are primarily geared to high school students in honors and Advanced Placement biology classes. Other high school students and undergraduates can certainly benefit from the content of the lectures. Some of the related materials on the biointeractive website (http://www.biointeractive.org/) are aimed at a broader audience. With a teacher''s guidance, middle school students can also enjoy learning about the topic. Holiday Lectures are webcast live at http://www.hhmi.org/biointeractive/hl/. Following the live event, they are available as on-demand streaming video at the same Web address. Webcasts of all past Holiday Lectures are available as on-demand streaming video at http://www.hhmi.org/biointeractive/lectures/index.html. Holiday Lectures are also available as podcasts from http://www.hhmi.org/biointeractive/podcast_popup.html

Abbreviations: BioInteractive

Synonyms: HHMI BioInteractive, Howard Hughes Medical Institute BioInteractive

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

Keywords: teaching, animation, lecture, evolution, infectious disease, biodiversity, stem cell, obesity, cancer, genomics, chemical genetics, sex determination, biological clock, cardiovascular, immunology, dna, rna, transgenic fly, bacterial identification, cardiology, neurophysiology, immunology, teacher guide, activity, poster

Funding:

Resource Name: Biointeractive

Resource ID: SCR_004388

Alternate IDs: nlx_40070

Record Creation Time: 20220129T080224+0000

Record Last Update: 20250426T055722+0000

Ratings and Alerts

No rating or validation information has been found for Biointeractive.

No alerts have been found for Biointeractive.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Heil A, et al. (2024) It's in the Syllabus: What Syllabi Tell us about Introductory Biology Courses. CBE life sciences education, 23(3), ar37.

Taylor-Cornejo E, et al. (2024) An active learning card game to teach microbial pathogenesis to undergraduate biology majors. Journal of microbiology & biology education, 25(1), e0012123.

Hennessey KM, et al. (2024) Nationally endorsed learning objectives to improve course

design in introductory biology. PloS one, 19(8), e0308545.

Alvarez KS, et al. (2021) Using Virtual Simulations in Online Laboratory Instruction and Active Learning Exercises as a Response to Instructional Challenges during COVID-19. Journal of microbiology & biology education, 22(1).

Gerhart LM, et al. (2021) Engaging students through online video homework assignments: A case study in a large-enrollment ecology and evolution course. Ecology and evolution, 11(11), 5777.

Hawkins AJ, et al. (2017) More Than Metaphor: Online Resources for Teaching Cancer Biology. CBE life sciences education, 16(3).

Depienne C, et al. (2017) Genetic and phenotypic dissection of 1q43q44 microdeletion syndrome and neurodevelopmental phenotypes associated with mutations in ZBTB18 and HNRNPU. Human genetics, 136(4), 463.

Sellami N, et al. (2017) Implementation of a Learning Assistant Program Improves Student Performance on Higher-Order Assessments. CBE life sciences education, 16(4).

Aebli K, et al. (2016) Classroom Activities to Engage Students and Promote Critical Thinking about Genetic Regulation of Bacterial Quorum Sensing. Journal of microbiology & biology education, 17(2), 284.

Nava C, et al. (2015) Hypomorphic variants of cationic amino acid transporter 3 in males with autism spectrum disorders. Amino acids, 47(12), 2647.