

Resource Summary Report

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BIRD - Bio Info R and D

RRID:SCR_008010

Type: Tool

Proper Citation

BIRD - Bio Info R and D (RRID:SCR_008010)

Resource Information

URL: http://www-bird.jst.go.jp/index_e.html

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Description: BIRD's mission is to aid the progress of bioinformatics and promote creation of new biology, which has computational, deductive, predictive, and theoretical features. (most of this site is in Japanese) To carry out its responsibilities, BIRD: * Promotes appropriate development of bioinformatics research and development, such as what kinds of databases and analysis software should be developed and what kind of computer facilities are needed for that development. * Maintains the computer environment and network and functions as a funding agency to further promotion plans. * Develops basic databases: genome sequence database, protein 3D structure database, gene expression profile database, molecular interaction database, etc. * Conducts and coordinates integration, enhancement, and standardization of the basic databases. * Develops computing tools for analyzing various kinds of biological and experimental data, data mining from databases, computer simulation of living systems and so on. * Develops ontologies necessary for data and knowledge description of databases storing biological functions and integration of the basic databases. * Conducts and coordinates research and development of innovative and creative technologies and theories which move toward understanding life as an information system, especially approaches by collaboration of computer scientists and experimental scientists. * Provides computer facilities for developing databases and software and making them publicly available. * Sets up training courses for teaching utilization of databases and tools for novices in bioinformatics and sponsors scientific meetings. * Provides community space with high performance computing facilities where innovative ideas are cultivated by free discussion and "trial and error" with the computer in order to promote development of young scientists who will create new biological discoveries based on bioinformatics and become leaders in the field.

Abbreviations: BIRD

Synonyms: Bio Info R and D, Bio Info RandD

Resource Type: data or information resource, organization portal, portal, topical portal

Keywords: data set

Resource Name: BIRD - Bio Info R and D

Resource ID: SCR_008010

Alternate IDs: nif-0000-09525

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260912T195658+0000

Ratings and Alerts

No rating or validation information has been found for BIRD - Bio Info R and D.

No alerts have been found for BIRD - Bio Info R and D.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Wu KE, et al. (2021) BABEL enables cross-modality translation between multiomic profiles at single-cell resolution. Proceedings of the National Academy of Sciences of the United States of America, 118(15).

Natsume-Kitatani Y, et al. (2011) Genome-wide integration on transcription factors, histone acetylation and gene expression reveals genes co-regulated by histone modification patterns. PloS one, 6(7), e22281.