

Resource Summary Report

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Centre of Excellence in Bioinformatics

RRID:SCR_008388

Type: Tool

Proper Citation

Centre of Excellence in Bioinformatics (RRID:SCR_008388)

Resource Information

URL: <http://bioinformatics.org.au/>

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Description: The Australian Research Council (ARC) Centre of Excellence in Bioinformatics (ACB) is a multi-nodal interdisciplinary Center that uniquely brings together genomic and post-genomic bioinformatics, mathematics, statistics, systems analysis and experimental phenomics to produce a deep understanding of how information in the genome is transformed into structure and function in the mammalian cell. ACB is committed to: - Research excellence providing insights into genome-phenome biology. - An advanced education and training program that fosters excellence, exposes students from diverse disciplines to new perspectives in bioinformatics, and generates human capital. - Improved access to skills, tools and facilities at the interface among genomic and post-genomic biology, molecular cell biology, mathematics, statistics, and computing and information sciences. - Critical mass and a national focus for genome-phenome bioinformatics in Australia. Sponsors: This resource is supported by the following: Institute for Molecular Bioscience Newcastle Bioinformatics Initiative QosCosGrid University of Newcastle Centre for Bioinformatics, Biomarker Discovery and Information-based Medicine Keywords: Research, Bioinformatics, Multi-nodal, Interdisciplinary, Genomic, Mathematics, Statistics, System, Analysis, Experimental, Phenomics, Deep, Structure, Function, Mammalian, Cell, Biology, Education, Training, Program, Molecular, Cell biology, Mathematics, Statistics, Computation, Information, Science, Phenome,

Synonyms: ARC

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

Funding: Australian Research Council

Resource Name: Centre of Excellence in Bioinformatics

Resource ID: SCR_008388

Alternate IDs: nif-0000-30036

Record Creation Time: 20220129T080247+0000

Record Last Update: 20260810T040450+0000

Ratings and Alerts

No rating or validation information has been found for Centre of Excellence in Bioinformatics.

No alerts have been found for Centre of Excellence in Bioinformatics.

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 [SPARC SAWG](#) .

Davis MJ, et al. (2010) Automatic, context-specific generation of Gene Ontology slims. BMC bioinformatics, 11, 498.

Shin CJ, et al. (2009) Protein-protein interaction as a predictor of subcellular location. BMC systems biology, 3, 28.

Ragan MA, et al. (2008) Genome-scale computational biology and bioinformatics in Australia. PLoS computational biology, 4(8), e1000068.

Höhl M, et al. (2007) Is multiple-sequence alignment required for accurate inference of phylogeny? Systematic biology, 56(2), 206.

Höhl M, et al. (2007) Pattern-based phylogenetic distance estimation and tree reconstruction. Evolutionary bioinformatics online, 2, 359.