

## Bioinformatics Support Program:

Bioinformatics Support Program was developed to provide researchers with powerful tools to analyze and understand the biological significance of a variety of data.

<b>PEER-REVIEWED JOURNALS</b>	<b>OPEN SOURCE SOFTWARE</b>
<ul style="list-style-type: none"><li>• Bioinformatics</li><li>• BMC Bioinformatics</li><li>• BMC Genomics</li><li>• BMC Proteomics</li><li>• Briefings in Bioinformatics</li><li>• Bulletin of Mathematical Biology</li><li>• Cancer Informatics</li><li>• Computational Biology and Chemistry</li><li>• Computational Molecular Biology</li><li>• Computers in Biology and Medicine</li><li>• Database (journal)</li><li>• EMBnet.journal</li><li>• IEEE/ACM Transactions on Computational Biology and Bioinformatics</li><li>• Journal of Bioinformatics and Computational Biology</li><li>• Journal of Biomedical Informatics</li><li>• Journal of Computational Biology</li><li>• Journal of Integrative Bioinformatics</li><li>• Journal of Mathematical Biology</li><li>• Journal of Theoretical Biology</li><li>• Nucleic Acids Research</li><li>• PLoS Computational Biology</li><li>• Rapid Communications in Mass Spectrometry</li><li>• Source Code for Biology and Medicine</li><li>• Statistical Applications in Genetics and Molecular Biology</li></ul>	<p><b>.NET Bio</b> - A language-neutral bioinformatics toolkit built using the Microsoft 4.0 .NET Framework to help developers, researchers, and scientists. Platform : .NET Framework. License : Apache License.</p> <p><b>AMPHORA</b> - Metagenomics analysis software Platform : Linux. License : GNU General Public License.</p> <p><b>Anduril</b> - Component-based workflow framework for data analysis Platform : Linux, Mac OS X, Windows. License : GPL.</p> <p><b>AutoDock</b> - Suite of automated docking tools Platform : Platform. License : GNU GPL.</p> <p><b>Biochemical Algorithms Library (BALL)</b> - C++ library and framework for molecular modeling and visualization designed for rapid prototyping Platform : Linux, Mac OS X, Windows. License : LGP</p> <p><b>Bioclipse</b> - Visual platform for chemo- and bioinformatics based on the Eclipse Rich Client Platform (RCP). Platform : Platform. License : Eclipse Public License.</p> <p><b>Bioconductor</b> - R (programming language) language toolkit Platform : Linux, Mac OS X, Windows. License : Artistic License 2.0.</p> <p><b>BioJava</b> - Java (programming language) Platform : Linux, Mac OS X, Windows. License : LGPL v2.1.</p> <p><b>BioMOBY</b> - Registry of web services Platform : Web. License : Artistic License.</p> <p><b>BioPerl</b> - Perl language toolkit Platform : Cross-platform. License : Artistic License &amp; GPL.</p> <p><b>BioPHP</b> - PHP language toolkit Platform : Platform. License : GPL v2.</p>
<b>BIOINFORMATICS &amp; MOLECULAR BIOLOGY DATABASES</b>	
<ul style="list-style-type: none"><li>• <a href="#">Nucleic Acid Research Database Summary</a></li><li>• <a href="#">PubMed Literature Database</a></li><li>• <a href="#">NCBI Databases</a></li><li>• <a href="#">PubMed Central (PMC) Free Full Text Journal Database</a></li></ul>	<p><b>Biopython</b> - Python language toolkit Platform : Cross-platform. License : Biopython License.</p> <p><b>BioRuby</b> - Ruby language toolkit Platform : Platform. License : GNU GPL v2 or Ruby license.</p> <p><b>EMBOSS</b> - Suite of packages for sequencing, searching, etc. Platform : Platform. License : General Public Licence (GPL) and Library GPL.</p>
<b>BIOINFORMATICS &amp; MOLECULAR BIOLOGY WEB SERVERS</b>	<p><b>Galaxy</b> - Scientific workflow and data integration system Platform : Unix-like. License : Academic Free License.</p>
<ul style="list-style-type: none"><li>• Bioinformatics Web Servers</li><li>• Bioinformatics Link Directory</li></ul>	<p><b>GenePattern</b> - Scientific workflow system that provides access to more than 150 genomic analysis tools Platform : Unix-like (public server); Linux, Mac OS X, Windows. License : MIT license.</p>

## PATENTS

- USPTO
- Intellectual Property India (IPAIRS)

**GeWorkbench** - Genomic data integration platform Platform : Linux, Mac OS X, Windows. License : License.

**GMOD** - Toolkit for addressing many common challenges at biological databases. Platform : Unix-like (server), Web browser (client). License : Varies depending on tool.

**GenGIS** - Application that allows users to combine digital map data with information about biological sequences collected from the environment. Platform : Windows, Mac OS X. License : GPL.

**GenomeSpace** - Centralized web application that provides data format transformations and facilitates connections with other bioinformatics tools Platform : Web browser. License : LGPL.

**GENTle** - An equivalent to the proprietary Vector NTI, a tool to analyze and edit DNA sequence files Platform : Platform. License : GPL.

**Integrated Genome Browser** - Java-based desktop genome browser Platform : Linux, Mac OS X, Windows. License : CPL 1.0.

**InterMine** - Extensive data warehouse system for the analysis and integration of biological datasets Platform : Cross-platform. License : LGPL.

**LabKey Server** - Platform for integrating, analyzing and sharing data Platform : Linux, Mac OS X, Windows. License : Apache License.

**PathVisio** - A desktop software for drawing, analysis and visualization of biological pathways Platform : Linux, Mac OS X, Windows. License : Apache 2.0 License.

**Staden Package** - Sequence assembly, editing and analysis, primarily consisting of gap4, gap5 and spin. Platform : Linux, Mac OS X, Windows. License : BSD.

**STAMP** - Software package for analyzing metagenomic profiles that promotes 'best practices' in choosing appropriate statistical techniques and reporting results. Platform : Windows, Mac OS X. License : GPL.

**Taverna workbench** - Tool for designing and executing workflows Platform : Linux, Mac OS X, Windows. License : LGPL.

**UGENE** - Integrated bioinformatics tools Platform : Linux, Mac OS X, Windows. License : GPL2.