

Biological Informatics Resources

By

Marcus P. Zillman, M.S., A.M.H.A.
Executive Director – Virtual Private Library
zillman@virtualprivatelibrary.com

This April 2009 column **Biological Informatics Resources** is a comprehensive list of resources and sites that give you the latest and most important information concerning biological informatics resources available over the Internet including biological informatics, health informatics, neuroinformatics, biodiversity informatics and biomolecular informatics resources. The below list is taken from my Biological Informatics Subject Tracer™ Information Blog and is constantly updated with Subject Tracer™ bots at the following URL:

<http://www.BiologicalInformatics.info/>

These resources and sources will help you to discover the many pathways available to you through the Internet for obtaining and locating biological informatics in today's rapidly changing biological global marketplace. This is a **MUST** information keeper for those concerned about the latest happenings in the biological information business and services environment!

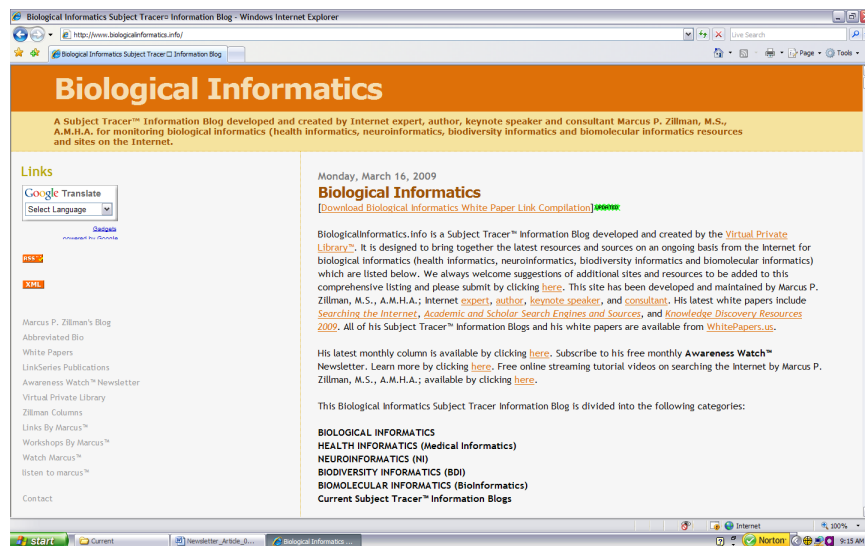


Figure 1: Biological Informatics Subject Tracer™ Information Blog

1



April 2009 Zillman Column – Biological Informatics Resources

<http://www.zillmancolumns.com/>
zillman@VirtualPrivateLibrary.com

© 2009 Marcus P. Zillman, M.S., A.M.H.A.

BIOLOGICAL INFORMATICS
HEALTH INFORMATICS (Medical Informatics)
NEUROINFORMATICS (NI)
BIODIVERSITY INFORMATICS (BDI)
BIOMOLECULAR INFORMATICS (BioInformatics)

BIOLOGICAL INFORMATICS:

1000 Genomes Project

<http://www.1000genomes.org/>

2CAN Bioinformatics Support Portal

<http://www.ebi.ac.uk/2can/home.html>

Academic and Scholar Search Engines and Sources

<http://ScholarSearchEngines.com/>

Access: The Official Newsletter of the National Biological Information Infrastructure

http://publications.nbi.gov/portal/community/Communities/Toolkit/NBII_Publications_Library/Access_Newsletter/

Acronyms Related to Biological Informatics and Biodiversity

http://www.iabin-us.org/glossary_acronyms/gloss_acronym_index.html

BEN

<http://www.bioscienet.org/portal>

Biocomplexity Thesaurus

<http://thesaurus.nbi.gov/>

BioEd Online - Biology Teacher Resources from Baylor College of Medicine

<http://www.bioedonline.org/>

BioethicsWeb

<http://bioethicsweb.ac.uk/>

Biohealthmatics.com - The Biomedical Informatics Career Portal

<http://www.biohealthmatics.com/>

Bioinfo Online

<http://www.bioinfo-online.net/>

Bioinformatics Journal

<http://bioinformatics.oxfordjournals.org/>

Bioinformatics Organization

<http://bioinformatics.org/>

Bioinformation

<http://www.bioinformation.net/>

BioIntelligence

http://iit-iti.nrc-cnrc.gc.ca/projects-projets/biointelligence_e.html

Bioline International

<http://www.bioline.org.br/>

Biological and Chemical Terrorism Information for Healthcare Professionals

<http://www.istl.org/04-winter/internet.html>

Biological Journals and Abbreviations

<http://home.ncifcrf.gov/research/bja/>

Biology News Net

<http://www.biologynews.net/>

Biomechanics and Modeling in Mechanobiology

<http://www.springer.com/engineering/journal/10237>

Biomechanics Knowledge Repository

http://www.biomch-w.org/wiki/index.php/Main_Page

BioMedExperts - Your Scientific Match Point

<http://www.biomedexperts.com/>

Biomedical Digital Libraries [Open Access]

<http://www.bio-diglib.com/home/>

BIOS - Biological Innovation for Open Society

<http://www.bios.net/>



BioText Search Engine

<http://biosearch.berkeley.edu/>

BioTools

<http://www.bioscience.org/urlists/bioltool.htm>

Briefings in Bioinformatics

<http://bib.oxfordjournals.org/>

caBIG™ - cancer Biomedical Informatics Grid

<https://cabig.nci.nih.gov/workspaces/Architecture/caGrid/>

Centre for Agricultural Bioscience International (CABI)

<http://www.cabi.org/>

ChemIDplus Database

<http://sis.nlm.nih.gov/chemical.html>

ChemSpider

<http://www.chemspider.com/>

Cytoscape - Open Source Bioinformatics Platform for Network Analysis and Visualization

<http://cytoscape.org/>

DNA From the Beginning

<http://dnaftb.org/>

eHealthcareBot Search Engine

<http://www.eHealthcareBot.com/>

ePosters.net: The Online Journal of Scientific Posters

<http://www.eposters.net/>

European Bioinformatics Institute (EBI)

<http://www.ebi.ac.uk/Information/>

Gene Ontology™ (GO) Consortium

<http://www.geneontology.org/>



Genome Gateway

<http://www.nature.com/genomics>

Genomic Medicine

<http://www.springer.com/biomed/journal/11568>

Genomics Glossaries & Taxonomies

<http://www.genomicglossaries.com/>

GoPubMed.org - Life-Science Search Engine

<http://www.GoPubMed.org/>

HFSP Journal - Frontiers of Interdisciplinary Research in the Life Sciences

<http://hfspj.aip.org/>

Human Genome Project Education Resources

http://www.ornl.gov/sci/techresources/Human_Genome/education/education.shtml

InfoBionics - Flexible Data Mining Applications

<http://www.infobionics.com/>

International Cancer Genome Consortium (ICGC)

<http://www.icgc.org/>

International Journal of Agricultural and Biological Engineering (IJABE)

<http://www.ijabe.org/index.php/ijabe>

International Journal of Bioinformatics Research and Applications (IJBRA)

<http://www.inderscience.com/ijbra>

International Journal of Biomedical Science (IJBS)

<http://www.ijbs.org/HomePage.aspx>

International Journal of Healthcare Information Systems and Informatics (IJHISI)

<http://www.igi-global.com/journals/details.asp?id=4835>

Journal of Biomedicine and Biotechnology

<http://www.hindawi.com/journals/jbb/>

Journal of Visualized Experiments (JoVE) - Biological Research in a Video Format

<http://www.jove.com/index/Main.stp>



LeadDiscovery - Dedicated to Drug Discovery

<http://www.leaddiscovery.co.uk/>

MEDIE - Intelligent Search Engine for Biomedical Correlations

<http://www-tsujii.is.s.u-tokyo.ac.jp/medie/>

nanoHUB - Simulation, Education and Community for Nanotechnology

<https://www.nanohub.org/>

National Biological Information Infrastructure (NBII)

<http://www.nbii.gov/>

Nature RSS Newsfeeds

<http://www.nature.com/rss>

NuGO Bioethics Guidelines Tool

<http://nugo.dife.de/bot/index.php>

Open Bioinformatics Journal

<http://bentham.org/open/tobioij/>

Open Biomedical Ontologies (OBO)

<http://obo.sourceforge.net/>

OReFiL: Online Resource Finder for Lifesciences

<http://orefil.dbcls.jp/index.cgi>

Patent Lens™ - Patent Informatics and Analysis Component of the BIOS Initiative

<http://www.bios.net/daisy/bios/50>

Personal Genome Project (PGP)

<http://www.personalgenomes.org/>

PhysioNet - Research Resource for Complex Physiologic Signals

<http://www.physionet.org/>

Plant Products Research Journal

http://www.ajol.info/journal_index.php?jid=254

Protocol Online - Your Lab's Reference Book

<http://www.protocol-online.org/>



Public Data Sets on AWS

<http://aws.amazon.com/publicdatasets/>

R&D Chemicals - Chemical Compounds Database

<http://www.rdchemicals.com/>

Resource Informagen™ - Biotech Company Directories

<http://informagen.com/Directories/Biotech.php>

Resources for Bioinformatics

<http://www2.lib.udel.edu/subj/bioinformatics/index.htm>

SciFeeds - Life Science Journal RSS Feeds and Social Network

<http://www.scifeeds.com/>

ScratchPads - Research Community Working On the Web

<http://www.editwebrevisions.info/scratchpads>

South African National Bioinformatics Institute

<http://www.sanbi.ac.za/>

The TAMBIS Project

<http://img.cs.man.ac.uk/tambis/index.html>

Tranche Project - Secure P2P for the Scientific Community

<http://tranche.proteomecommons.org/>

uBio - Indexing and Organizing 11,068,849 Biological Names

<http://www.ubio.org/>

VADLO - BioMedical and Life Sciences Search Engine

<http://vadlo.com/>

Visual Medical Dictionary

<http://www.curehunter.com/public/dictionary.do>

Vivisimo Bio Meta Cluster

<http://demos.vivisimo.com/projects/BioMed>

XTractor - Discovering Newer Scientific Relations Across Abstracts

<http://www.xtractor.in/>



HEALTH INFORMATICS (Medical Informatics):

American Medical Informatics Association (AMIA)

<http://www.amia.org/>

Authoratory - Database of Leading PubMed Scientists

<http://www.authoratory.com/>

Biomedical Digital Libraries

<http://www.bio-diglib.com/>

Biomedical Informatics Research Network

<http://www.nbirn.net/>

Biomedical Literature (and text)Mining Publications (BLIMP)

<http://blimp.cs.queensu.ca/>

Biomedical Research Web Directory

<http://www.biores.org/>

CureHunter - Medical Search and Discovery

<http://www.CureHunter.com/>

Electronic Journal of Health Informatics (eJHI)

<http://ejhi.net/ojs/index.php/ejhi>

Encyclopedia of Biomaterials and Biomedical Engineering

<http://www.dekker.com/servlet/product/productid/E-EBBE>

Framingham SNP Health Association Resource (SHARe)

<http://www.ncbi.nlm.nih.gov/projects/gap/cgi-bin/study.cgi?id=phs000007>

International Journal of Biomedical Sciences (IJBS)

<http://www.ijbs.org/>

International Journal of Medical Microbiology

<http://www.sciencedirect.com/science/journal/14384221>

JMIR : Journal of Medical Internet Research

<http://www.jmir.org/>



Journal of Medicine and Biomedical Research

<http://www.bioline.org.br/jm>

MedBioWorld™

<http://www.sciencekomm.at/>

novoseek - Search Engine for BioMedical Literature in Medline

<http://www.novoseek.com/>

Open Biomarkers Journal

<http://www.bentham.org/open/tobiomj/>

OpenClinica - Clinical Research Studies Software

<http://www.openclinica.org/>

Open Directory - Health: Medicine: Informatics

<http://www.newhoo.com/Health/Medicine/Informatics/>

openEHR

<http://www.openehr.org/>

RIKEN Center for Genomic Medicine

<http://www.src.riken.jp/english/>

Search Medical Algorithms

<http://www.medal.org/>

NEUROINFORMATICS (NI):

fMRI Data Center

<http://www.fmridc.org/>

Human Brain Project

<http://www.nimh.nih.gov/neuroinformatics/index.cfm>

Institute of Neuroinformatics

<http://www.ini.unizh.ch/>

International Neuroinformatics Coordinating Facility (INCF)

<http://www.incf.org/>



National Ecological Observatory Network (NEON)

<http://www.neoninc.org/>

Neuroinformatics Journal

<http://www.ovid.com/site/catalog/Journal/1663.jsp>

**NIH Guide: The Human Brain Project (Neuroinformatics): Phase I - Feasibility;
Phase II - Refinements, Maintenance and Integration**

<http://grants1.nih.gov/grants/guide/pa-files/PAR-03-035.html>

Resources for Neuroinformatics Researchers

<http://snipurl.com/6pgeu>

SenseLab

<http://senselab.med.yale.edu/senselab/>

BIODIVERSITY INFORMATICS (BDI):

Biodiversity and Biological Collections Databases

<http://www.biocollections.org/>

Biodiversity Informatics Peer Reviewed Open Access Journal

<http://jbi.nhm.ku.edu/index.php>

Chemistry & Biodiversity

<http://www3.interscience.wiley.com/journal/106056929/home?CRETRY=1&SRETRY=0>

Global Biodiversity Information Facility

<http://www.gbif.org/>

GRAIN - Agricultural Biodiversity

<http://www.grain.org/>

KU BRC Informatics

<http://www.specifysoftware.org/Informatics>

Open Directory - Science: Environment: Biodiversity: Informatics

<http://www.newhoo.com/Science/Environment/Biodiversity/Informatics/>



Overview of Biodiversity Informatics

http://www.calacademy.org/research/informatics/sblum/pub/biodiv_informatics.html

Quick Guide to Biodiversity Informatics

<http://www.iabin.net/Biodiversity.htm>

Systematics and Biodiversity

<http://journals.cambridge.org/action/displayJournal?jid=SYS>

BIOMOLECULAR INFORMATICS (BioInformatics):

AANT : Amino Acid-Nucleotide Interaction Database

<http://aant.icmb.utexas.edu/>

ACLAME : A Classification of Mobile Genetic Elements

<http://aclame.ulb.ac.be/>

ActionBioscience.org

<http://www.actionbioscience.org/index.html>

Advances in Bioinformatics

<http://www.hindawi.com/journals/abi/>

Algorithms for Molecular Biology

<http://www.almob.org/>

American Journal of Medical Genetics Part B: Neuropsychiatric Genetics

<http://www3.interscience.wiley.com/cgi-bin/jhome/99018626>

Ares Lab Yeast Intron Database

http://www.cse.ucsc.edu/research/compbio/yeast_introns.html

ASAP : Alternative Splicing Annotation Project

<http://www.bioinformatics.ucla.edu/ASAP>

ASC: Active Sequence Collection

<http://bioinformatica.isa.cnr.it/ASC/>

ASDB : Alternative Splicing Database [LBL]

<http://hazelton.lbl.gov/~teplitski/alt/>

ASD : EMBL Alternative Splicing Database Project

<http://www.ebi.ac.uk/asd>

BELIT - Bioethics Literature Database

<http://www.drze.de/BELIT>

BioBank

<http://www.gabiobank.org/>

Biocompare - Buyer's Guide for Life Scientists

<http://www.biocompare.com/index.asp>

Bioenergy Research

<http://www.biopress.dk/FiB-UK.htm>

BioForge - Community for Biological Innovation

<http://www.cambia.org/daisy/cambia/4272>

BioGRID

<http://www.thebiogrid.org/>

Bioinformatics and Biology Insights

http://www.la-press.com/journals.php?pa=home&journal_id=39

Bioinformatics

<http://informagen.com/Bioinformatics.php>

Bioinformatics.Net

<http://www.bioinformatics.net/>

BioInformatics.org

<http://www.BioInformatics.org/>

Bioinformatics Databases and Tools Guide

<http://www.agr.kuleuven.ac.be/vakken/i287/bioinformatica.htm>

BioInformatics Links

<http://www.ii.uib.no/~inge/list.html>



Bioinformatics Tools

http://www.ornl.gov/sci/techresources/Human_Genome/posters/chromosome/tools.shtml
<http://www.ncbi.nlm.nih.gov/Tools/>

Bioinformatics - UCSC Science & Engineering Library Subject Guides

<http://library.ucsc.edu/science/subjects/bioinformatics/>

Bioinformatic Workflow Builder Interface

<http://www.alphaworks.ibm.com/tech/biowbi>

Bioinformatik

<http://www.bioinformatik.de/>

Bioinformation

<http://www.bioinformation.net/>

Biointerphases: An Open Access Journal for the Biomaterials Interface Community

<http://biointerphases.org/>

Bioknoppix

<http://bioknoppix.hpcf.upr.edu/>

Biological Knowledge

<http://www.biologicknowledge.com/>

Biological Theory: Integrating Development, Evolution, and Cognition

<http://mitpressjournals.org/biot>

Biology Direct

<http://www.biology-direct.com/>

Biomacromolecules

<http://pubs.acs.org/journals/bomaf6/index.html>

Bio Mapping

<http://biomapping.net/>

Biomarker Insights

<http://www.la-press.com/bmi.htm>

Biomechanics Lab

<http://www.thebiomechanicslab.com/>

BioMed Central

<http://www.biomedcentral.com/>

Biometric Technology Today

<http://www.sciencedirect.com/science/journal/09694765>

BioMolecular Engineering Research Institute (BMERC)

<http://bmerc-www.bu.edu/>

BioNanomatrix, Inc (BNM)

<http://www.bionanomatrix.com/>

BIONLP.ORG - Natural Language Processing of Biology Text

<http://www.ccs.neu.edu/home/futrelle/bionlp/>

BioRuby

<http://bioruby.org/>

Biotechnology Journal (BTJ)

<http://www3.interscience.wiley.com/cgi-bin/jhome/110544531>

Biotechnology Resources

<http://www.BiotechnologyResources.info/>

BioWizard - The Biomedical Research Portal

<http://www.biowizard.com/>

BLAST UTR db: Untranslated Regions Database

<http://www.ba.itb.cnr.it/BIG/Blast/BlastUTR.html>

Briefings in Functional Genomics and Proteomics

<http://bfgp.oxfordjournals.org/>

BSML - Bioinformatics Sequence Markup Language

<http://xml.coverpages.org/bsml.html>

Cambridge Crystallographic Data Centre

<http://www.ccdc.cam.ac.uk/>



CAMERA (Community Cyberinfrastructure for Advanced Microbial Ecology Research and Analysis)

<http://camera.calit2.net/>

Cancer Genome Atlas

<http://cancergenome.nih.gov/index.asp>

Cancer Genomics Publications Data Sets

<http://www.broad.mit.edu/cgi-bin/cancer/datasets.cgi>

Cell Biochemistry and Biophysics (CBB)

<http://www.springer.com/humana+press/biochemistry/journal/12013>

Cell Division

<http://www.celldiv.com/>

Centre for Molecular and Biomolecular Informatics

<http://www.cmbi.kun.nl/index.html>

Chemical Biology & Drug Design

<http://www.blackwellpublishing.com/journal.asp?ref=1747-0277&site=1>

Clinical Bioinformatics Ontology™ (CBO)

<https://www.clinbioinformatics.org/>

Complete Genomics (CGI)

<http://completegenomics.com/>

Computational Biology and Chemistry

<http://www.sciencedirect.com/science/journal/14769271>

Connectivity Map - Connecting Diseases, Genes and Drugs

http://www.broad.mit.edu/genome_bio/connectivitymap.html

CorePsych - Brain and Body Connections

<http://CorePsychBlog.com/>

CORG : A Database for COMparative Regulatory Genomics

<http://corg.molgen.mpg.de/>

CSH Protocols

<http://www.cshprotocols.org/>

CUTG : Codon Usage Tabulated from GenBank

<http://www.kazusa.or.jp/codon>

Data Mining Resources

<http://www.DataMiningResources.info/>

dbGaP - Database of Genotype and Phenotype

<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=gap>

Developmental Cell

<http://www.developmentalcell.com/>

Discover8 - Life Sciences News, Discoveries, Hypotheses and Procedures

<http://www.discover8.com/>

DNA Research

<http://dnaresearch.oxfordjournals.org/>

DrugBank Database

<http://redpoll.pharmacy.ualberta.ca/drugbank/>

EBI and Ghent University Launch PRIDE: An Open Source Database Of Protein Identifications

http://www.innovations-report.com/html/reports/life_sciences/report-48290.html

EID : The Exon-Intron Database of Protein-Coding Intron-Containing Genes

<http://www.mco.edu/bioinfo/eid/index.html>

EMBL SMART : Simple Modular Architecture Research Tool (for Proteins)

<http://smart.embl.de/>

Encyclopedia Of DNA Elements - ENCODE

<http://www.genome.gov/10005107>

Encyclopedia of Medical Genomics and Proteomics

<http://www.dekker.com/servlet/product/productid/E-EDGP>



Entrez - The Life Sciences Cross-Database Search Engine
<http://www.ncbi.nlm.nih.gov/Entrez/index.html>

Environmental Bioindicators
<http://www.tandf.co.uk/journals/titles/15555275.asp>

European Bioinformatics Institute
<http://www.ebi.ac.uk/>

European Bioinformatics Institute: Research Groups
<http://www.ebi.ac.uk/Groups/>

Evolutionary Bioinformatics Online (EBO)
<http://www.la-press.com/evolbio.htm>

Evolutionary Intelligence
<http://www.neuroblast.net/EI/EI.html>

ExInt: an Exon Intron Database
<http://sege.ntu.edu.sg/wester/exint>

Functional Glycomics Gateway
<http://www.functionalglycomics.org/>

Genamics SoftwareSeek
<http://genamics.com/software/>

Genetic Science Learning Center
<http://gslc.genetics.utah.edu/>

Genographic Project
<http://www3.nationalgeographic.com/genographic/>

Genome Bioinformatics - UCSC
<http://genome.ucsc.edu/>

Genome Browsers
<http://zillman.blogspot.com/2004/03/genome-browsers.html>

Genome Tools
<http://cmr.tigr.org/tigr-scripts/CMR/shared/Menu.cgi?menu=genome>



Genome-Tools

http://freshmeat.net/projects/genome-tools/?branch_id=46085&release_id=183048

Genomics, Proteomics & Bioinformatics

<http://www.sciencedirect.com/science/journal/16720229>

GenScript - Your One Stop Wet Lab for Biology

<http://www.genscript.com/>

Go3R - Knowledge Based Semantic Search Engine To Avoid Animal Experiments

<http://www.go3r.org/>

GoPubMed - Ontology-based Literature Search

<http://www.gopubmed.com/>

Guide to Selected Bioinformatics Internet Resources

<http://www.istl.org/02-winter/internet.html>

GUS - The Genomics Unified Schema

<http://www.gusdb.org/>

HapMap Project - Identify and Catalog Genetic Similarities and Differences in Human Beings

<http://www.hapmap.org/>

H-Invitational Database (H-Inv DB)

<http://www.h-invitational.jp/>

HS3D - Homo Sapiens Splice Sites Dataset

<http://www.sci.unisannio.it/docenti/rampone>

Human Genome Project Information

http://www.ornl.gov/TechResources/Human_Genome/home.html

Human Genomics and Proteomics

<http://www.sage-hindawi.com/journals/hgp/>

Immunome Research

<http://www.immunome-research.com/>



International Journal of Data Mining and Bioinformatics (IJDMB)

<http://www.inderscience.com/ijdmb>

International Journal of Human Genetics

<http://www.krepublishers.com/02-Journals/IJHG/IJHG-00-0-000-000-2001-Web/IJHG-00-0-000-000-2001-1-Cover.htm>

Internet Resources for Bioinformatics

<http://www2.lib.udel.edu/subj/bioinformatics/internet.htm>

Invertebrate Biology

<http://www.blackwellpublishing.com/journal.asp?ref=1077-8306&site=1>

Islander : Prophages Incorporated into Bacterial Genomes

<http://www.indiana.edu/~islander>

Journal of Biological Chemistry

<http://www.jbc.org/>

Journal of Biomaterials Science, Polymer Edition

<http://www.ingentaconnect.com/content/vsp/bsp>

Journal of Cell and Molecular Biology

<http://jcmb.halic.edu.tr/>

Journal of Genetics

<http://www.ias.ac.in/jgenet/>

Journal of Molecular Histology

<http://www.springerlink.com/content/111649/>

Journal of Molecular Signaling

<http://www.jmolecularsignaling.com/home/>

Journal of Pharmacy and Bioresources (JPB)

http://www.ajol.info/journal_index.php?jid=218

Journal of Proteomics & Bioinformatics (JPB)

<http://www.omicsonline.com/JPBhome.htm>



Journal of Proteome Research
<http://pubs.acs.org/journals/jprobs/index.html>

KEGG: Kyoto Encyclopedia of Genes and Genomes
<http://www.genome.ad.jp/kegg/>

LabOnWeb by Compugen
<http://www.labonweb.com/>

Lawrence Berkeley National Laboratory: VISTA
<http://www-gsd.lbl.gov/VISTA/index.shtml>

Macromolecular Bioscience
<http://www3.interscience.wiley.com/cgi-bin/jhome/77002860>

MedScan - Automated Scientific Text Mining Tool
<http://www.ariadnegenomics.com/products/medscan.html>

MeshPubMed - Ontology-based Literature Search
<http://www.meshpubmed.com/>

MetaBasis: Web Based Database for Bioinformatics Tools
<http://metabasis.bioacademy.gr/>

MetaDB: A Metadatabase for the Biological Sciences
<http://www.neurotransmitter.net/metadb/metadb.php>

MethDB : DNA Methylation Database
<http://www.methdb.de/>

MICdb : Prokaryotic Microsatellites Database
<http://210.212.212.7/MIC>

Microbes - Microbiology Microbes Bacteria Information and Links
<http://www.microbes.info/>

Microbial Genome Sequencing Program
<http://www.nsf.gov/pubs/2008/nsf08511/nsf08511.htm>

Microbiology (Moscow)
<http://www.springerlink.com/content/1608-3237/>

MIX - Meta-analysis with Interactive eXplanations

<http://www.mix-for-meta-analysis.info/>

Molecular and Cellular Proteomics (MCP)

<http://www.mcponline.org/>

Molecular Biology Database Collection : 2004 Update [Nucleic Acids Research]

http://www.nar.oupjournals.org/cgi/content/full/32/suppl_1/D3/DC1

Molecular Biology Protocols and Bioinformatics

<http://www.molecularstation.com/>

Molecular Biology Resources

<http://www.biol.sc.edu/molbiol.html>

Molecular BioSystems

<http://www.rsc.org/Publishing/Journals/mb/index.asp>

Molecular Cytogenetics

<http://www.molecularcyto genetics.org/>

Molecular Genetics, Microbiology and Virology

<http://www.springerlink.com/content/120674/>

Molecular Informatics Resource for the Analysis of Gene Expression (MIRAGE)

<http://www.geisr.com/>

Molecular Plant-Microbe Interactions (MPMI)

<http://www.apsnet.org/mpmi/top.asp>

National Center for BioTechnology Information (NCBI)

<http://www.ncbi.nlm.nih.gov/>

Nature Methods

<http://www.nature.com/nmeth/index.html>

Neurochemical Journal

<http://www.springerlink.com/content/120580/>

Neuron Glia Biology

<http://journals.cambridge.org/action/displayJournal?jid=NGB>



Neuroscience Database Gateway (NDG) - A Gateway to Neuroscience Resources on the Web

<http://ndg.sfn.org/>

Neurotransmitter - Biomedical Information in Neuroscience, Pharmacology and Psychology

<http://www.neurotransmitter.net/>

NHGRI Policy and Legislation Database

<http://www.genome.gov/LegislativeDatabase>

NodalPoint.org - A BioInformatic Weblog

<http://www.nodalpoint.org/index.php>

OBBeC Magazine

<http://obbec.com/>

Oligonucleotides

<http://www.liebertonline.com/loi/oli>

OMIM - Online Mendelian Inheritance in Man

<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=OMIM>

Oncogenomics Normal Tissue Database

<http://ntddb.abcc.ncifcrf.gov/cgi-bin/ntissue.pl>

OpenClinica: Professional Open Source Solutions for the Clinical Research Enterprise

<http://www.openclinica.org/>

PharmGKB: The Pharmacogenetics and Pharmacogenomics Knowledge Base

<http://www.pharmgkb.org/>

Postgenomic - Life Science Blog Aggregator

<http://www.postgenomic.com/>

PPAR Research

<http://www.hindawi.com/GetJournal.aspx?journal=PPAR>

Project Ensembl

<http://www.ensembl.org/>



ProteinDBS

<http://proteindbs.rnet.missouri.edu/>

Protein Journal

<http://www.springerlink.com/content/111872/>

ProteinScience.com - The Proteomics Portal™

<http://www.proteinscience.com/index.htm>

Proteome BioKnowledge® Library

<http://www.proteome.com/>

Proteomics

<http://www3.interscience.wiley.com/cgi-bin/jhome/76510741>

PROWL

<http://prowl.rockefeller.edu>

RECODE : Database of Translational Recoding Events

<http://recode.genetics.utah.edu/>

Registry of Standard Biological Parts

<http://parts.mit.edu/>

Russian Journal of Genetics

<http://www.springerlink.com/content/1608-3369/>

Scalable Molecular Dynamics (NAMD)

<http://www.ks.uiuc.edu/Research/namd/>

Selected Web Sites of Interest to Kineticists, Modelers, Computational Biologists, Theoretical Biologists and Bioinformaticians

<http://snipurl.com/cbp2>

Signals - Online Magazine of BioTechnology Industry Analysis

<http://www.signalsmag.com/>

Silencing Genomes

<http://www.silencinggenomes.org/>



S/MARt DB

<http://smartdb.bioinf.med.uni-goettingen.de/>

Source Code for Biology and Medicine

<http://www.scfbm.org/>

STRBase : Short Tandem Repeat DNA Internet Database

<http://www.cstl.nist.gov/div831/strbase>

Structural Genomics Knowledgebase

<http://kb.psi-structuralgenomics.org/index.html>

Synapse

<http://www3.interscience.wiley.com/cgi-bin/jhome/36341>

Talking Glossary of Genetic Terms

<http://www.genome.gov/glossary.cfm>

Textpresso

<http://www.textpresso.org/>

The Bioinformatics Resource

http://www3.genet.sickkids.on.ca/bioinfo_resources/

The Genetic Codes

<http://www.ncbi.nlm.nih.gov/Taxonomy/Utils/wprintgc.cgi?mode=c>

The Intronerator

<http://hgwdev-hiram.cse.ucsc.edu/IntronWS120/index.html>

The PubChem Project

<http://pubchem.ncbi.nlm.nih.gov/>

The TAMBIS Project

<http://img.cs.man.ac.uk/tambis/index.html>

The Wellcome Trust Sanger Institute

<http://www.sanger.ac.uk/>

ToPNet (Protein Topology Calculation Software)

<http://networks.gersteinlab.org/>



Transinsight - Intelligent Search Technologies for the Life Sciences
<http://www.transinsight.com/>

Translational OncoGenomics
<http://www.la-press.com/tog.htm>

Transmembrane Structure Prediction Servers
<http://split.pmfst.hr/split/4/others.html>

TranspoGene Server
<http://transpogene.tau.ac.il/>

Transterm : RNA Sequences and their Associated Motifs
<http://uther.otago.ac.nz/transterm.html>

Tree of Life Web Project (ToL)
<http://tolweb.org/>

Tripos Discovery Informatics
<http://www.tripos.com/>

Tsinghua University-Institute of Bioinformatics: DBSubLoc
<http://www.bioinfo.tsinghua.edu.cn/dbsubloc.html>

UCSC Genome Bioinformatics
<http://genome.ucsc.edu/>

UTR Home Page : Resources for Sequence Analysis of 5' and 3' Untranslated Regions
<http://bighost.area.ba.cnr.it/BIG/UTRHome/>

Virginia Bioinformatics Institute (VBI) Microbial Database
<http://phytophthora.vbi.vt.edu/>

Vector dB
<http://seq.yeastgenome.org/vectordb/>

Visual Complexity
<http://www.visualcomplexity.com/>

Web Service for Bioinformatic Analysis Workflow (WsBAW)

<http://www.alphaworks.ibm.com/tech/wsbaw>

YSearch - Public Y-DNA Database

<http://www.ysearch.org/>

Subject Tracer™ Information Blogs:

Subject Tracer™ Information Blogs created and developed by the Virtual Private Library™ combine the best of the latest tools on the Internet. Using bots, blogs and news aggregators the Subject Tracer™ Information blogs generate RSS feeds with the latest resources to create a current information resource flow through niched subject tracers. I am proud to be the creator of the Internet's first Subject Tracer™ Information Blogs:

Virtual Private Library™

<http://www.VirtualPrivateLibrary.com/>

Agriculture Resources

<http://www.AgricultureResources.info/>

Artificial Intelligence Resources

<http://www.AIResources.info/>

Astronomy Resources

<http://www.AstronomyResources.info/>

Auction Resources

<http://www.AuctionResources.info/>

Biological Informatics

<http://www.BiologicalInformatics.info/>

Biotechnology Resources

<http://www.BiotechnologyResources.info/>

Bot Research

<http://www.BotResearch.info/>

Business Intelligence Resources

<http://www.BIResources.info/>



ChatterBots

<http://www.ChatterBots.info/>

Data Mining Resources

<http://www.DataMiningResources.info/>

Deep Web Research

<http://www.DeepWebResearch.info/>

Directory Resources

<http://www.DirectoryResources.info/>

eCommerce Resources

<http://eCommerceResources.info/>

Elder Resources

<http://www.ElderResources.info/>

Employment Resources

<http://www.EmploymentResources.info/>

Entrepreneurial Resources

<http://www.EntrepreneurialResources.info/>

Financial Sources

<http://www.FinancialSources.info/>

Finding People

<http://www.FindingPeople.info/>

Games Resources

<http://www.GamesResources.info/>

Genealogy Resources

<http://www.GenealogyResources.info/>

Grant Resources

<http://www.GrantResources.info/>

Green Files

<http://www.GreenFiles.info/>



Grid, Distributed and Cloud Computing Resources
<http://www.GridResources.info/>

Healthcare Resources
<http://www.HealthcareResources.info/>

Information Futures Markets
<http://www.InformationFutureMarkets.com/>

Information Quality Resources
<http://www.InformationQualityResources.info/>

Internet Alerts
<http://www.InternetAlerts.info/>

Internet Demographics
<http://www.InternetDemographics.info/>

Internet Experts
<http://www.InternetExperts.info/>

Internet Hoaxes
<http://www.InternetHoaxes.info/>

Journalism Resources
<http://www.JournalismResources.info/>

Knowledge Discovery
<http://www.KnowledgeDiscovery.info/>

Military Resources
<http://www.MilitaryResources.info/>

New Economy Analytics, Resources and Alerts
<http://www.NewEconomyAnalytics.com/>

Outsourcing/Offshoring Information and Resources
<http://www.OutsourcingOffshore.us/>

Privacy Resources
<http://www.PrivacyResources.info/>



Reference Resources

<http://www.ReferenceResources.info/>

Research Resources

<http://www.ResearchResources.info/>

RestStress™

<http://www.RestStress.com/>

Script Resources

<http://www.WcriptResources.info/>

ShoppingBots

<http://www.ShoppingBots.info/>

Social Informatics

<http://www.SocialInformatics.info/>

Statistics Resources

<http://www.StatisticsResources.info/>

Student Research

<http://www.StudentResearch.info/>

Theology Resources

<http://www.TheologyResources.info/>

Tutorial Resources

<http://www.TutorialResources.info/>

World Wide Web Reference

<http://www.WWWReference.info/>



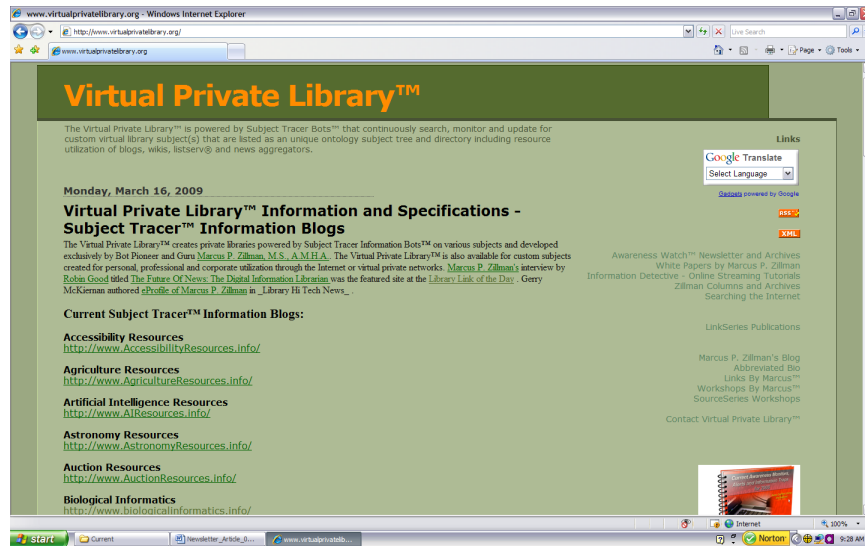


Figure 2: Virtual Private Library

Author Information: Marcus P. Zillman, M.S., A.M.H.A. Executive Director of the Virtual Private Library is an international Internet expert, author, keynote speaker and corporate consultant in the area of information retrieval, knowledge discovery, knowledge harvesting, artificial intelligence and bots/intelligent agents. He has created numerous world wide web sites including 48 Subject Tracer™ Information Portals and Blogs; written a number of internet miniguides, white papers, manuals and books; hosted over 160 weekly Internet television shows, writes a weekly and monthly column on Current Awareness on the Internet; writes a monthly newsletter Awareness Watch and delivers keynote presentations throughout the international marketplace. He also actively delivers one and two day workshops for key industry sectors displaying how the Internet can be used as a tool to maintain current awareness and professional competencies. Additional websites by Marcus P. Zillman, M.S., A.M.H.A.:

Marcus P. Zillman's Blog
<http://www.zillman.us/>

Marcus P. Zillman Abbreviated Bio
<http://www.zillman.info/>

White Papers by Marcus P. Zillman
<http://www.WhitePapers.us/>

Awareness Watch™ Newsletter
<http://www.AwarenessWatch.com/>



Marcus P. Zillman's Columns
<http://www.ZillmanColumns.com>

LinkSeries Publications
<http://www.LinkSeries.com/>

Internet Sources™ Manual
<http://www.InternetSources.info/>

Links By Marcus™
<http://www.LinksByMarcus.com/>

Workshops By Marcus™
<http://www.WorkshopsByMarcus.com/>

SourceSeries Internet Research Workshops
<http://www.SourceSeries.com/>

Watch Marcus™
<http://www.WatchMarcus.com/>

listen to marcus™
<http://www.ListenToMarcus.com>

Research White Papers, Articles, Lectures and Speeches by Marcus P. Zillman, M.S., A.M.H.A.:

Academic and Scholar Search Engines and Sources
<http://www.ScholarSearchEngines.com/>

Bots, Blogs and News Aggregators
<http://www.BotsBlogs.com/>

Business Intelligence Online Resources
<http://www.BIOOnlineResources.info/>

Current Awareness Discovery Tools on the Internet
<http://zillman.blogspot.com/2004/09/current-awareness-discovery-tools-on.html>

Deep Web Research 2009 Article - LLRX
<http://zillman.blogspot.com/2009/01/llrx-december-2008-issue-deep-web.html>

31



April 2009 Zillman Column – Biological Informatics Resources

<http://www.zillmancolumns.com/>
zillman@VirtualPrivateLibrary.com

© 2009 Marcus P. Zillman, M.S., A.M.H.A.

eReference Library Link Toolkit
<http://www.eReferenceLibrary.com/>

Finding Experts By Using the Internet
<http://www.FindingExperts.info/>

Finding People Resources and Sites
<http://www.FindingPeople.info/>

Healthcare Bots and Subject Directories
<http://www.HealthcareBots.info/>

Knowledge Discovery Resources 2009
<http://www.KDResources.info/>

Online Research Browsers
<http://zillman.blogspot.com/2004/10/online-research-browsers-internet.html>

Online Research Tools
<http://www.OnlineResearchTools.info/>

Online Social Networking
<http://zillman.blogspot.com/2004/09/online-social-networking-internet.html>

Searching the Internet
<http://www.SearchingTheInternet.info/>

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery
<http://zillman.blogspot.com/2004/09/using-internet-as-dynamic-resource.html>

Web Data Extractors
<http://www.WedDataExtractors.com/>

White Papers By Marcus P. Zillman, M.S., A.M.H.A.
<http://www.WhitePapers.us/>



Internet Tutor by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.InternetTutor.info/>

Visit this site to learn about the availability of Marcus P. Zillman to tutor you or your associate one on one in the privacy of your residence or office on the latest happenings of the Internet including Internet basics to advanced Internet searching using bots and creating your own personal blog

Internet Speaking by Marcus P. Zillman, M.S., A.M.H.A.

<http://www.InternetSpeaker.net>

Visit this site to learn about Marcus P. Zillman's speaking engagements for your organization meetings and events. View and listen to his previous presentations as well as his weekly television shows

Internet Consulting by Marcus P. Zillman, M.S., A.M.H.A.

<http://InternetConsultant.BlogSpot.com/>

Visit this site to obtain information about obtaining the consultation services of Marcus P. Zillman for your company including eCommerce audits, utilization of bots, blogs and news aggregators or the creation of your own personal virtual private library powered by Subject Tracer™ Information bots!

Internet Sources™ Manual

<http://www.InternetSources.info>

Marcus P. Zillman's latest 378 page manual Internet Sources™ is now available for purchase online and for immediate download. This book makes a great reference resource for the "newbie" to the Internet as well as the seasoned veteran "Internaut".

Current Awareness Monitors, Alerts and Information Traps for 2008

<http://www.ecurrentAwareness.com/>

Marcus P. Zillman's latest report Current Awareness Monitors, Alerts and Information Traps for 2008 is now available for purchase online and for immediate download. This report is a comprehensive listing of the latest resources, sources and sites for current awareness on the Internet. This is a must read for anyone who must stay current in their profession and/or business activity as the list of URLs will keep you at the leading edge of your career.

Market Intelligence Resources 2008

<http://www.MarketIntelligenceResources.com/>

Marcus P. Zillman's just released professional Internet MiniGuide is titled Market Intelligence Resources 2008 and is now available for purchase online and immediate download. This 130 page digital miniguide represents a comprehensive listing of the latest resources, sources and sites to discover the latest Market Intelligence sources



available on the Internet with many of them freely available! Designed specifically for today's entrepreneur, professional and/or investor.

Entrepreneurial Links 101

<http://www.EntrepreneurialLinks.com/>

Marcus P. Zillman's newly released 130 page eReference digital book for the up and coming entrepreneur. Entrepreneurial Links 101 gives an alphabetical listing of the very best Internet and World Wide Web sites covering Entrepreneur Resources, Business Intelligence Resources and an extremely comprehensive list of Online Research Tools. This is considered by many to be the entrepreneur's bible for finding relevant and competent online resources!

Internet Privacy and Security Resources

<http://www.InternetPrivacySecurity.net/>

Marcus P. Zillman's latest eReference digital publication is a selected comprehensive alphabetical listing of the latest resources and sites covering all aspects of privacy and security currently available over the Internet. From the board room to the family room, these resources and sites give you the information you need to maintain your privacy and security as you use the Internet in your business and personal life.

Research Resources Online Guide

<http://www.ResearchResourcesOnline.net/>

Marcus P. Zillman's latest [LinkSeries Publication](#) is a 170 page digital guide of a selected comprehensive alphabetical listing of the latest and greatest resources and sites covering all areas of research that is currently available over the Internet. The guide covers online research resources and tools for the Newbie to research as well as the Seasoned researcher. Contents include: a) Research Resources, b) Research Tools, c) Student Research Resources Toolkit, d) Knowledge Discovery/Management and Data Mining Resources, e) Knowledge Discovery/Retrieval and the World Wide Web Resources, and f) Subject Tracer™ Information Blogs.

