Biological Informatics

By

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Biological Informatics is a comprehensive listing of biological informatics resources currently available on the Internet. The below list of sources is taken from my Subject Tracer™ Information Blog titled Biological Informatics and is constantly updated with Subject Tracer™ bots at the following URL:

http://www.BiologicalInformatics.info/

These resources will help you to discover the many pathways available to you through the Internet to find the latest health informatics, neuroinformatics, biodiversity informatics and biomolecular informatics sources and sites.
Note: This Biological Informatics Subject Tracer Information Blog is divided into the following categories:

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

Current Subject Tracer™ Information Blogs

Biological Informatics:

1000 Genomes Project
http://www.1000genomes.org/

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

A Genetic Atlas of Human Admixture History
http://admixturemap.paintmychromosomes.com/

Agriculture and Biology Journal of North America (ABJNA)
http://scihub.org/ABJNA/index.html

BeeSpace - An Environment for Analyzing Nature and Nurture in Societal Roles
http://www.beespace.illinois.edu/

BEN
http://www.biosciednet.org/portal

BioEd Online - Biology Teacher Resources from Baylor College of Medicine
http://www.bioedonline.org/

BioethicsWeb [Intute Closed in July 2011]
http://www.intute.ac.uk/bioethicsweb/
Biohealthmatics.com - The Biomedical Informatics Career Portal
http://www.biohealthmatics.com/

Bioinformatics Journal
http://bioinformatics.oxfordjournals.org/

Bioinformatics Organization
http://bioinformatics.org/

Bioinformation
http://www.bioinformation.net/

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 and Medicine
http://www.biomedonline.com/

Biology News Net
http://www.biologynews.net/

Biomat.net - The Biomaterials Network
http://www.biomat.net/

Biomechanics and Modeling in Mechanobiology
http://www.springer.com/materials/mechanics/mechanics/journal/10237

BioMedExperts - Scientific Social Networking
http://www.biomedexperts.com/

Biomedical Digital Libraries [Open Access – Archives Available]
http://www.bio-diglib.com/
BioNews
http://www.bionews.org.uk

BIOS - Biological Innovation for Open Society
http://www.bios.net/daisy/bios/home.html

Biosharing
http://www.biosharing.org/

BioText Search Engine
http://biotextsearch.berkeley.edu/

Briefings in Bioinformatics
http://bib.oxfordjournals.org/

caBIG™ - cancer Biomedical Informatics Grid
https://cabig.nci.nih.gov/community/workspaces/Architecture/caGrid/

Centre for Agricultural Bioscience International (CABI)
http://www.cabi.org/

ChemIDplus Database

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/

eBiostatistics.com - Comprehensive, Open Access, Web Based Biostatistical Package
http://www.draptis.com/ebiostat/

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/about

Frontiers in BioScience
http://www.bioscience.org/

Gene Ontology™ (GO) Consortium
http://www.geneontology.org/

Genetics and Genomics From the U.S. Library of Medicine
http://www.nlm.nih.gov/services/Subject_Guides/geneticsandgenomics/

Genetic Engineering and Biotechnology Journal (GEBJ) [Publication Discontinued 2011]
http://astonjournals.com/gebj.html

Genome Gateway [Publication Discontinued July 2011]
http://www.nature.com/omics/index.html

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/web/gopubmed/

GVSS - Grid Virtual Screening Service
http://gvss2.twgrid.org/

Human Genome Project Education Resources

InfoBionics - Flexible Data Mining Applications
http://www.infobionics.com/
InsightMedi - The Global Photo-sharing Network for Healthcare Professionals
http://www.insightmedi.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 Bioautomation
http://www.clbme.bas.bg/bioautomation/

International Journal of Bioinformatics Research and Applications (IJBRA)

International Journal of Biological Sciences and Technology (IJBLST)
http://www.ijblst.org/

International Journal of Biomedical Science (IJBS)

International Journal of Biometrics and Bioinformatics (IJBB)

International Journal of Healthcare Information Systems and Informatics (IJHISI)
http://www.igi-global.com/journal/international-journal-healthcare-information-systems/1094

isainfrastructure - Investigation/Study/Assay
http://isa-tools.org/

Journal of Biomedical Sciences and Research (JBSR) [Archives available till 2011 issue]
http://www.jbsr.pharmainfo.in/

Journal of Biomedical Semantics
http://www.jbiomedsem.com/
Journal of Biomedicine and Biotechnology [now called BioMed Research International]
http://www.hindawi.com/journals/bmri/

Journal of Visualized Experiments (JoVE) - Biological Research in a Video Format
http://www.jove.com/

LabGuru - Research Management Resource
http://www.labguru.com/

LeadDiscovery - Dedicated to Drug Discovery
http://www.leaddiscovery.co.uk/

Map of Life - Integrating Species Distribution Knowledge
http://beta.map-of-life.appspot.com/

mBio
http://mbio.asm.org/

MEDIE - Intelligent Search Engine for Biomedical Correlations
http://www.nactem.ac.uk/tsujii/medie/

nanoHUB - Simulation, Education and Community for Nanotechnology
https://www.nanohub.org/

Nature RSS Newsfeeds
http://www.nature.com/webfeeds/index.html

NLM Medical Text Indexer (MTI)

NuGO Bioethics Guidelines Tool
http://nugo.dife.de/bot/index.php

Open Bioinformatics Journal
http://www.benthamscience.com/open/tobioij/

Open Biological and Biomedical Ontologies (OBO)
http://www.obofoundry.org/
Open-i Project - An Open Access Biomedical Image Search Engine
http://openi.nlm.nih.gov/

Open Tissue Wiki
http://www.opentissue.org/mediawiki/index.php/Main_Page

OReFiL: Online Resource Finder for Lifesciences
http://orefil.dbcls.jp/en/search/top

Personal Genome Project (PGP)
http://www.personalgenomes.org/

PhysioBank
http://www.physionet.org/physiobank/

PhysioNet - Research Resource for Complex Physiologic Signals
http://www.physionet.org/

Plant Products Research Journal
http://www.ajol.info/index.php/pprj

Project Ranks Billions of Drug Interactions
http://www.Drugable.com/

Protocol Online - Your Lab's Reference Book
http://www.protocol-online.org/

Pubget - Search Across BioMedicine PDFs
http://pubget.com/

Public Data Sets on AWS
http://aws.amazon.com/publicdatasets/

R&D Chemicals - Chemical Compounds Database
http://www.rdchemicals.com/

Reflect: Automated Annotation of Scientific Terms of Proteins and Small Molecules
http://reflect.ws/
ResearchGATE - Professional Network for Scientists
https://www.researchgate.net/

Resource Informagen™ - Biotech Company Directories

Resources for Bioinformatics
http://guides.lib.udel.edu/content.php?pid=163662

RNAMiner - A Bioinformatics Protocol for Mining Large RNA-Seq Transcriptomics Data
http://calla.rnet.missouri.edu/rnaminer/

Scientist Solutions - International Life Science Community
http://www.scientistsolutions.com/

Scitable - A Collaborative Learning Space for Life Sciences
http://www.nature.com/scitable

ScratchPads - Research Community Working On the Web
http://www.editwebrevisions.info/scratchpads

SHIRAZ Project
http://shiraz.ist.psu.edu/

South African National Bioinformatics Institute
http://www.sanbi.ac.za/

The Biology Project
http://www.biology.arizona.edu/

The TAMBIS Project
http://www.cs.man.ac.uk/~stevensr/tambis/

Transcriptic - Let Their Robots Do Your Life Science
https://www.transcriptic.com/

uBio - Indexing and Organizing 11,106,374 Biological Names
http://www.ubio.org/
VADLO - BioMedical and Life Sciences Search Engine
http://vadlo.com/

Visual Medical Dictionary

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 [No longer being Published; Archives Available]
http://www.bio-diglib.com/

Biomedical Informatics Research Network
http://www.birncommunity.org/

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

Framingham SNP Health Association Resource (SHARE)
Health Informatics Forum - Discussion Forum for Health Informatics Professionals and Students
http://www.healthinformaticsforum.com/

International Journal of Biomedical Sciences (IJBS)
http://www.ipbs.org/

International Journal of Medical Microbiology
http://www.sciencedirect.com/science/journal/14384221

JMIIR : Journal of Medical Internet Research
http://www.jmir.org/

Journal of Medicine and Biomedical Research
http://www.bioline.org.br/jm

MedBioWorld [Medical and Bioscience Directory Mainly in German, Some English]
http://www.sciencedomm.at/

Open Biomarkers Journal
http://www.benthamscience.com/open/tobiomj/

OpenClinica - Clinical Research Studies Software
https://community.openclinica.com/

Open Directory - Health: Medicine: Informatics
http://www.dmoz.org/Health/Medicine/Informatics/

openEHR [Domain-driven platform for e-Health Systems]
http://www.openehr.org/

RIKEN Center for Genomic Medicine
http://www.src.riken.jp/english/

Search Medical Algorithms
http://www.medal.org/
NEUROINFORMATICS: (NI)

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/

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

SenseLab
http://senselab.med.yale.edu/

BIODIVERSITY INFORMATICS: (BDI)

Biodiversity Informatics Peer Reviewed Open Access Journal
https://journals.ku.edu/index.php/jbi

Chemistry & Biodiversity

Global Biodiversity Information Facility
http://www.gbif.org/

GRAIN - Agricultural Biodiversity
http://www.grain.org/

Open Directory - Science: Environment: Biodiversity: Informatics
http://www.dmoz.org/Science/Environment/Biodiversity/Informatics/

Overview of Biodiversity Informatics
http://research.calacademy.org/
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/

ActionBioscience.org
http://www.actionbioscience.org/index.html

AddGene - Better Way to Share Plasmids
http://www.addgene.org/

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

Ares Lab Yeast Intron Database
http://compbio.soe.ucsc.edu/yeast_introns.html

ASC: Active Sequence Collection
http://bioinformatica.isa.cnr.it/ASC/

BELIT - Bioethics Literature Database

BioBank
http://biobank.org/

Biocompare - Buyer's Guide for Life Scientists
http://www.biocompare.com/
Bioenergy Research
http://www.biopress.dk/

BioForge - Community for Biological Innovation
http://www.cambia.org/daisy/cambia/4272

BioGRID
http://www.thebiogrid.org/

Bioinformatics and Biology Insights

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

Bioinformatics.Net
http://www.technologynetworks.com/Informatics/

BioInformatics.org
http://www.BioInformatics.org/

BioInformatics Links
http://www.ii.uib.no/~inge/list.html

BioInformatics Tools

Bioinformatics - UCSC Science & Engineering Library Subject Guides
http://guides.library.ucsc.edu/biologymcd

Bioinformatic Workflow Builder Interface
https://www.ibm.com/developerworks/community/groups/service/html/communityview?communityUuid=18d10b14-e2c8-4780-bace-9af1fc463cc0

Bioinformation
http://www.bioinformation.net/

Biointerphases: An Open Access Journal for the Biomaterials Interface Community
http://biointerphases.org/
Biological Theory: Integrating Development, Evolution, and Cognition
http://mitpressjournals.org/BIOT

Biology Direct
http://www.biologydirect.com/

Biomacromolecules
http://pubs.acs.org/journal/bomaf6

Bio Mapping
http://biomapping.net/

Biomarker Insights

BioMed Central
http://www.biomedcentral.com/

Biometric Technology Today
http://www.sciencedirect.com/science/journal/09694765

BioMolecular Engineering Research Institute (BMERC)
http://www.bu.edu/bmerc/

BioNanomatrix, Inc (BNM)
http://www.bionanomatrix.com/

BIONLP.ORG - Natural Language Processing of Biology Text
http://www.ccs.neu.edu/home/futrelle/bionlp/

BioRuby [Open source bioinformatics library for Ruby]
http://bioruby.org/

Biotechnology Journal (BTJ)
http://onlinelibrary.wiley.com/journal/10.1002%28ISSN%291860-7314

Biotechnology Resources
http://www.BiotechnologyResources.info/
BLAST UTR db: Untranslated Regions Database
http://www.ba.itb.cnr.it/BIG/Blast/BlastUTR.html

Briefings in Functional Genomics and Proteomics
http://bfg.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/

Cancer Genomics Publications Data Sets
http://www.broadinstitute.org/cgi-bin/cancer/datasets.cgi

Cell Biochemistry and Biophysics (CBB)
http://www.springer.com/life+sciences/biochemistry+%26+biophysics/journal/12013

Cell Division
http://www.celldiv.com/

Centre for Molecular and Biomolecular Informatics
http://www2.cmbi.ru.nl/

Chemical Biology & Drug Design
http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%29291747-0285

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.broadinstitute.org/genome_bio/connectivitymap.html

CorePsych - Brain and Body Connections
http://www.corepsych.com/

CSH Protocols
http://cshprotocols.cshlp.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

Developmental Cell
http://www.cell.com/developmental-cell/home

DiscoveR8 - Life Sciences News, Discoveries, Hypotheses and Procedures
[Last updated 4 years ago]
http://www.discover8.com/

DNA Research
http://dnaresearch.oxfordjournals.org/

DrugBank Database
http://www.drugbank.ca/

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

EMBL SMART : Simple Modular Architecture Research Tool (for Proteins)
http://smart.embl.de/

Encyclopedia of DNA Elements (ENCODE)
http://www.encodeproject.org/ENCODE/
Encyclopedia of Medical Genomics and Proteomics

Entrez - The Life Sciences Cross-Database Search Engine

Environmental Bioindicators
http://www.tandfonline.com/toc/uebi20/current

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

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

Bioinformatics Online (EBO)
http://www.la-press.com/evolutionary-bioinformatics-journal-j17

Evolutionary Intelligence
http://www.neuroblast.net/

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

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

GeneEd: Genetics, Education, Discovery

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

Genographic Project
https://genographic.nationalgeographic.com/

Genome Bioinformatics - UCSC
http://genome.ucsc.edu/
Genome Biology and Evolution
http://gbe.oxfordjournals.org/

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

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

Genome-Tools

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 [Site Last Updated 2005]
http://www.gusdb.org/

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

H-Invitational Database (H-Inv DB)
http://www.h-invitational.jp/

HS3D - Homo Sapiens Splice Sites Dataset
http://www.sci.unisannio.it/docenti/rampone
Immunome Research
http://www.immunome-research.com/

International Journal of Data Mining and Bioinformatics (IJDMB)

International Journal of Human Genetics
http://www.krepublishers.com/02-Journals/IJHG/IJHG-00-0-000-000-2000-2001-Web/IJHG-00-0-000-000-2001-1-Cover.htm

Internet Resources for Bioinformatics
http://guides.lib.udel.edu/content.php?pid=163662

Invertebrate Biology

JCVI Cloud BioLinux
http://www.jcvi.org/cms/research/projects/jcvi-cloud-biolinux/overview/

Journal of Biological Chemistry
http://www.jbc.org/

Journal of Biomaterials Science, Polymer Edition
http://www.ingentaconnect.com/content/tandf/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://link.springer.com/journal/10735

Journal of Molecular Signaling
http://www.jmolecularsignaling.com/

Journal of Pharmacy and Bioresources (JPB)
http://www.ajol.info/index.php/jpb
Journal of Proteomics & Bioinformatics (JPB)
http://www.omicsonline.org/jpbhome.php

Journal of Proteome Research
http://pubs.acs.org/journal/jprobs

Kaggle - Data Mining, Forecasting and BioInformatics Competitions
http://kaggle.com/

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

Lawrence Berkeley National Laboratory: VISTA
http://genome.lbl.gov/vista/index.shtml

Macromolecular Bioscience
http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291616-5195

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

Microbial Genome Sequencing Program

Microbiology [Particular coverage for Russian microbiology-related developments]
http://link.springer.com/journal/11021

Microsoft Biology Tools (MBT)

MIX - Meta-analysis with Interactive eXplanations in Excel
http://www.meta-analysis-made-easy.com/

Molecular and Cellular Proteomics (MCP)
http://www.mcponline.org/

Molecular Biology Database Collection : 2004 Update [Nucleic Acids Research]
http://nar.oxfordjournals.org/content/suppl/2004/01/27/32.suppl_1.D3.DC1
Molecular BioSystems
http://pubs.rsc.org/en/journals/journalissues/mb#!recentarticles&all

Molecular Cytogenetics
http://www.molecularcytogenetics.org/

Molecular Genetics, Microbiology and Virology
http://link.springer.com/journal/11965

Molecular Informatics Resource for the Analysis of Gene Expression (MIRAGE)
http://www.geisr.com/

Molecular Plant-Microbe Interactions (MPMI)
http://www.apsnet.org/publications/mpmi/Pages/default.aspx

National Center for BioTechnology Information (NCBI)

Nature Methods
http://www.nature.com/nmeth/index.html

Neurochemical Journal
http://link.springer.com/journal/11710

Neuron Glia Biology
http://journals.cambridge.org/action/displayJournal?jid=NGB

Neurotransmitter - Biomedical Information in Neuroscience, Pharmacology and Psychology
http://www.neurotransmitter.net/

NHGRI Statute and Legislation Database
http://www.genome.gov/PolicyEthics/LegDatabase/pubsearch.cfm

NodalPoint.org - Science Podcast [Last Updated 2011]
http://www.nodalpoint.org/

Oligonucleotides – now known as Nucleic Acid Therapeutics
http://online.liebertpub.com/loi/oli
OMIM - Online Mendelian Inheritance in Man

OpenClinica: Professional Open Source Solutions for the Clinical Research Enterprise
https://community.openclinica.com/

Pathway Studio Biology Information Solution
http://www.elsevier.com/online-tools/pathway-studio/biological-database

PharmGKB: The Pharmacogenetics and Pharmacogenomics Knowledge Base
http://www.pharmgkb.org/

PhenX Toolkit
https://www.phenxtoolkit.org/

Pleiades Promoter Project
http://www.pleiades.org/index.php

PPAR Research
http://www.hindawi.com/journals/par/

Project Ensembl
http://asia.ensembl.org

ProteinDBS
http://proteindbs.rnet.missouri.edu/

Protein Journal
http://link.springer.com/journal/10930

ProteinScience.com - The Proteomics Portal™
http://www.proteinscience.com/index.htm

Proteomics
http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291615-9861

PROWL [Mass Spectrometry of Biological Macromolecules]
http://prowl.rockefeller.edu
PSI-Nature Structural Biology Knowledgebase (PSI SBKB)
http://sbkb.org/

RECAP – Informing Key Biopharmaceutical Decisions
http://www.recap.com/

RECODE : Database of Translational Recoding Events
http://recode.genetics.utah.edu/

Registry of Standard Biological Parts
http://parts.igem.org/Main_Page

Russian Journal of Genetics
http://link.springer.com/journal/11177

Scalable Molecular Dynamics (NAMD)
http://www.ks.uiuc.edu/Research/namd/

SciCasts
http://scicast.com/

Selected Web Sites of Interest to Kineticists, Modelers, Computational Biologists, Theoretical Biologists and Bioinformaticians
http://www.bioinformaticsservices.com/bis/resources/kinweb.html

SIGMA: Large Scale Machine Learning Toolkit

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 Biology KnowledgeBase  
http://sbkb.org/

Synapse  
http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291098-2396

Talking Glossary of Genetic Terms  
http://www.genome.gov/glossary/

Textpresso  
http://www.textpresso.org/

The Genetic Codes  

The PubChem Project  

The TAMBIS Project  
http://www.cs.man.ac.uk/~stevensr/tambis/

The Wellcome Trust Sanger Institute  
http://www.sanger.ac.uk/

Thomson Reuters RECAP - Informing Key Biopharmaceutical Decisions  
http://www.recap.com/

ToPNet (Protein Topology Calculation Software)  
http://networks.gersteinlab.org/

TransInsight - Intelligent Search Technologies for the Life Sciences  
http://transinsight.com/?lang=en

Translational OncoGenomics  
http://www.la-press.com/translational-oncogenomics-journal-j19

Transmembrane Structure Prediction Servers  
http://split.pmfst.hr/split/4/others.html
TranspoGene Server
http://transpogene.tau.ac.il/

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

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

Tsinghua University-Institute of Bioinformatics: DBSubLoc
http://www.bioinfo.tsinghua.edu.cn/~guotao/intro.html

UCLA Bioinformatics Program
http://www.bioinformatics.ucla.edu/

UCSC Genome Bioinformatics
http://hgwdenv-hiram.cse.ucsc.edu/index.html

VADLO - Life Sciences Search Engine
http://www.vadlo.com/

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

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/

AnswerSpot
http://www.AnswerSpot.us/

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/

Education and Academic Resources
http://www.EducationResources.info/

Elder Resources
http://www.ElderResources.info/

Employment Resources
http://www.EmploymentResources.info/

Entrepreneurial Resources
http://www.EntrepreneurialResources.info/

Fact Checkers Directory
http://www.FactCheckers.us/

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.InformationFuturesMarkets.com/

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

International Trade Resources  
http://www.InternationalTradeResources.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/

Intrapreneurial Resources  
http://www.IntrapreneurialResources.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/

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

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

White Papers by Marcus P. Zillman
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Internet MiniGuides™
http://www.InternetMiniguide.com/

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

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

LinkSeries Publications
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Links By Marcus™
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SourceSeries Internet Research Workshops
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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.BIOnlineResources.info/

Cloud Computing Resources Primer  
http://www.zillman.us/white-papers/grid-distributed-and-cloud-computing-resources-primer/

Current Awareness Discovery Tools on the Internet  

Deep Web Research and Discovery Resources 2015 Article - LLRX and Online White Paper  
http://zillman.blogspot.com/2015/01/llrx-deep-web-research-and-discovery.html  
http://DeepWeb.us/

eMarketing MiniGuide 2015  
http://www.eMarketingMiniGuide.com/

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 2015
http://www.KDResources.info/

New Economy Resources 2015
http://www.NewEconomyResources.com/

Online Research Browsers
http://www.zillman.us/white-papers/online-research-browsers/

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

Online Social Networking
http://www.OnlineSocialNetworking.info/

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

Using the Internet As a Dynamic Resource Tool for Knowledge Discovery
http://www.zillman.us/white-papers/using-the-internet-as-a-dynamic-resource-tool-for-
knowledge-discovery/

Web Data Extractors
http://www.WebDataExtractors.com/

Web Guide for the New Economy

White Papers By Marcus P. Zillman, M.S., A.M.H.A.
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Internet Tutor by Marcus P. Zillman, M.S., A.M.H.A.
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Current Awareness Monitors, Alerts and Information Traps
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Internet Privacy and Security Resources
http://www.InternetPrivacySecurity.net/
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Research Resources Online Guide
http://www.ResearchResourcesOnline.net/
Marcus P. Zillman’s latest LinkSeries Publication is a 340 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, f) Business Intelligence Resources, g) Reference Resources, and h) Subject Tracer™ Information Blogs.

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