**Literature Informatics:**

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

PubMed Special Queries: <http://www.nlm.nih.gov/bsd/special_queries.html>

Go PubMed: <http://www.gopubmed.com/web/gopubmed/>

ClusterMed: <http://demos.vivisimo.com/vivisimo/cgi-bin/query-meta?v:frame=form&frontpage=1&v:project=clustermed>

NIH reporter: <http://projectreporter.nih.gov/reporter.cfm>

PubMed Special Queries: <http://www.nlm.nih.gov/bsd/special_queries.html>

MyNCBI: <http://www.ncbi.nlm.nih.gov/sites/myncbi/>

GLAD4U: <http://www.ncbi.nlm.nih.gov/sites/myncbi/>

Quartle: <http://www.ncbi.nlm.nih.gov/sites/myncbi/>

**Bioinformatics Database and Software:**

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

RefSeq: <http://www.ncbi.nlm.nih.gov/RefSeq/key.html#status>

Sample GeneBank record: <http://www.ncbi.nlm.nih.gov/Sitemap/samplerecord.html>

Sequence Revision History Tool: <http://www.ncbi.nlm.nih.gov/Sitemap/sequencerevisionhistory.html>

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

**Gene-centric Information Gateways:**

Entrez gene: <http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&cmd=search&term=>

NextBio: <http://www.ncbi.nlm.nih.gov/sites/myncbi/>

Ingenuity Knowledge base: <http://www.ingenuity.com/>

Registration: <http://www.hsls.pitt.edu/guides/genetics/ipa/register>

GeneGo Metacore: <http://portal.genego.com/cgi/start.cgi>

Registration:<http://www.hsls.pitt.edu/guides/genetics/metacore/register>

Biobase Knowledge Library (Gene expression, regulation, promoter analysis etc):

[https://portal.biobase-international.com/cgi-bin/build\_hpty/idb/1.0//searchengine/start.cgi](https://portal.biobase-international.com/cgi-bin/build_hpty/idb/1.0/searchengine/start.cgi)

Registration:<http://www.hsls.pitt.edu/guides/genetics/biobase/register>

UCSC gene page: <http://genome.ucsc.edu/cgi-bin/hgGateway>

Genecards: <http://www.genecards.org/>

**Search Engine for Databases and software:**

HSLS MolBio: <http://www.hsls.pitt.edu/guides/genetics/>

Vadlo: <http://vadlo.com/>

OReFill: <http://orefil.dbcls.jp/>

Video Tutorials:

* MolBio Videos : <http://www.hsls.pitt.edu/molbio/videos>
* Find sequence information for a gene : <http://media.hsls.pitt.edu/media/clres2705/sequence.swf>
* Find sequence information for a gene using UCSC genome browser: <http://media.hsls.pitt.edu/media/clres2705/sequence_2.swf>
* Find homologous sequence information of a gene : [http://media.hsls.pitt.edu/media/clres2705/homologene.swf](http://media.hsls.pitt.edu/media/clres2705/sequence.swf)
* Retrieve gene expression information: <http://media.hsls.pitt.edu/media/clres2705/expression.swf>
* Identify genetic variations associated with a human disease: <http://media.hsls.pitt.edu/media/clres2705/huge.swf> (Part 1)

<http://media.hsls.pitt.edu/media/clres2705/dbsnp2.swf> (Part 2)

* Predict the functional effect of a SNP

<http://media.hsls.pitt.edu/media/clres2705/fsnp.swf>