**Online Resources for Psychiatric Genetics**

**Literature Search:**

**PubMed:** [**http://www.ncbi.nlm.nih.gov/pubmed/**](http://www.ncbi.nlm.nih.gov/pubmed/)

**MeSH Database:** [**http://www.ncbi.nlm.nih.gov/mesh?itool=sidebar**](http://www.ncbi.nlm.nih.gov/mesh?itool=sidebar)

**PubMed Advanced Search:** [**http://www.ncbi.nlm.nih.gov/pubmed/advanced**](http://www.ncbi.nlm.nih.gov/pubmed/advanced)

**Clusty:** offers clustered results for a selection of searches, [**http://clusty.com/**](http://clusty.com/)

**ClusterMed:** [**http://demos.vivisimo.com/vivisimo/cgi-bin/query-meta?v:frame=form&frontpage=1&v:project=clustermed**](http://demos.vivisimo.com/vivisimo/cgi-bin/query-meta?v:frame=form&frontpage=1&v:project=clustermed)

**GoPubMed:** Knowledge-based search engine for biomedical texts

[**http://www.gopubmed.com/**](http://www.gopubmed.com/)

**NovoSeek:** a search engine for **biomedical literature** in **Medline** and **US Grants**

[**http://www.novoseek.com/Welcome.action**](http://www.novoseek.com/Welcome.action)

**PubMed pre-build queries on Mental Health and Mental Disorders:**

[**http://phpartners.org/hp/mentalhealthandmentaldisorders.html**](http://phpartners.org/hp/mentalhealthandmentaldisorders.html)

**eTBLAST:** a unique search engine for searching biomedical literature

[**http://invention.swmed.edu/etblast/index.shtml**](http://invention.swmed.edu/etblast/index.shtml)

**DejaVu:** a database of highly similar and duplicate citations

[**http://spore.swmed.edu/dejavu/**](http://spore.swmed.edu/dejavu/)

**University of Pittsburgh Online Bioinformatics Resources Collection (OBRC):** [**http://www.hsls.pitt.edu/guides/genetics/obrc/**](http://www.hsls.pitt.edu/guides/genetics/obrc/)

**Bioinformatics Resources on Psychiatric Disorders:** [**http://search.hsls.pitt.edu/vivisimo/cgi-bin/query-meta?query=psychiatric+disorders&input-form=simple&v%3Asources=PubmedBioDatabases&v%3Aproject=dbarticles&submit=Search**](http://search.hsls.pitt.edu/vivisimo/cgi-bin/query-meta?query=psychiatric+disorders&input-form=simple&v%3Asources=PubmedBioDatabases&v%3Aproject=dbarticles&submit=Search)

**Identify Disease Causing Genes:**

**US CDC HugeNavigator:** a searchable knowledge base of human gene-disease associations:

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

**SZgene:** provides a comprehensive, and regularly updated collection of genetic association studies performed on schizophrenia

<http://www.schizophreniaforum.org/res/sczgene/default.asp>

**PDgene:** provides a comprehensive and regularly updated collection of genetic association studies performed on Parkinson's disease (PD)

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

**ALzgene:** provide a comprehensive and regularly updated collection of genetic association studies performed on Alzheimer’s disease (AD)

<http://www.alzforum.org/res/com/gen/alzgene/default.asp>

**Gene Prospector:** an evidence gateway for evaluating potential susceptibility genes and interacting risk factors for human diseases

<http://www.hugenavigator.net/HuGENavigator/geneProspectorStartPage.do>

**Find Gene and Protein Centered Information:**

**NCBI Entrez Gene:** a searchable database of genes, from sequenced genomes

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene>

**SigmaAldrich Your Favorite Gene:** a comprehensive gene search tool

<http://www.sigmaaldrich.com/life-science/your-favorite-gene-search.html>

**Millipore Pathways:** online source for visualizing metabolic and signaling pathways

<http://www.millipore.com/pathways/pw/pathways>

**Prediction of Disease Causing SNPs**

**dbSNP:** a public-domain archive for a broad collection of simple genetic polymorphisms

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

Online Mendelian Inheritance in Man (OMIM): a database of human genes and genetic disorders

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=omim>

**NCBI Amino Acid Explorer:** a tool for amino acid structure comparison

<http://www.ncbi.nlm.nih.gov/Class/Structure/aa/aa_explorer.cgi>

**Amino Acid Properties Table:** provides an overview of amino acid properties

<http://www.russell.embl.de/aas/>

**Sorting Intolerant from Tolerant (SIFT):** predicts whether an amino acid substitution affects protein function based on sequence homology and the physical properties of amino acids

<http://sift.jcvi.org/>

**PolyPhen:** a tool which predicts possible impact of an amino acid substitution on the structure and function of a human protein using straightforward physical and comparative considerations:

<http://genetics.bwh.harvard.edu/pph/>

**SNPs3D:** assigns molecular functional effects of non-synonymous SNPs based on structure and sequence analysis:

<http://www.snps3d.org/>

**FASTSNP** -- provide service for SNP function analysis and prioritization:

<http://fastsnp.ibms.sinica.edu.tw/>

**F-SNP:** a database of computationally predicted functional SNPs for disease association studies

<http://compbio.cs.queensu.ca/F-SNP/>