

2013-2014 Special Projects Committee: Pharmacogenomics Task

Name of Pharmacogenomic Resource	Link to resource (if available)	Year Updated	Type of Source	Access	Type of Resource	Description
COMPREHENSIVE WEBSITES						
NIH: Pharmacogenomics Research Network (PGRN) -Includes the Pharmacogenomics Knowledge Base (PharmGKB) and Clinical Pharmacogenetics Implementation Consortium (CPIC) guidelines	<u>PGRN:</u> http://www.nigms.nih.gov/Research/FeaturedPrograms/PGRN/ <u>PharmGKB:</u> http://www.pharmgkb.org/ <u>CPIC guidelines:</u> http://www.pharmgkb.org/page/cpic	2013	Government	Open	Comprehensive	The vision of PGRN – part of the National Institute of General Medical Sciences – is to lead discovery and advance translation in genomics to enable safer and more effective drug therapies. The site includes information on major initiatives, research and training programs, science education for various topics pertaining to pharmacogenomics and other similar topics and news. <u>PharmGKB:</u> Comprehensive resource that curates knowledge about the impact of genetic variation on drug response for clinicians and researchers. <u>CPIC guidelines:</u> Help clinicians understand how available genetic test results should be used to optimize drug therapy.
NIH: National Human Genome Research Institute	http://www.genome.gov	2013	Government	Open	Comprehensive	The completed human genome sequence allows scientists around the world access to a database that greatly facilitates and accelerates the

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						<p>pace of biomedical research.</p> <p>On this site you will find access to a wealth of information on the history of the Human Genome Project including (but not limited to) Educational Resources, General Information, Research, Model Organisms and links to other key information.</p>
NCBI: National Center for Biotechnology Information	http://www.ncbi.nlm.nih.gov/	2013	Government	Open	Comprehensive	<p>This site gives resources on chemical & bioassays, data & software, DNA & RNA, domains & structures, genes & expression, genetics & medicine, genomes & maps and much more.</p> <p>It includes Databases, Downloads, Tools, Submissions and How To's.</p>
University of California San Diego: Pharmacogenomics Education Program	http://pharmacogenomics.ucsd.edu/	2013	University/ Education	Registration Required	Comprehensive	<p>Pharmacogenomics Education Program (PharmGenEd) is an evidence-based pharmacogenomics education program designed for pharmacists, physicians, pharmacy and medical students and other healthcare professionals. The program is supported by the CDC through a grant and the faculty</p>

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						<p>collaborate with many pharmacy, medical and healthcare organizations to keep the site up to date.</p> <p>Resources, CPE/CME, curriculum, pubcasts and a virtual community available through this site.</p>
FDA Table of approved valid genomic biomarkers	http://www.fda.gov/drugs/scienceresearch/researchareas/pharmacogenetics/ucm083378.htm	2013	Government	Open	Comprehensive	Table of FDA-approved drugs with pharmacogenomic information in their labels. The chart gives detail on the therapeutic area, biomarker and label section where the pharmacogenomic biomarkers are addressed.
Personalized Medicine Coalition	http://www.personalizedmedicinecoalition.org	2013	Association	Open	Comprehensive	The Personalized Medicine Coalition (PMC) was launched in 2004 to educate the public and policymakers. PMC represents a broad spectrum of more than 200 innovator, academic, industry, patient, provider and payer communities, as they seek to advance the understanding and adoption of personalized medicine concepts and products for the benefit of patients.
Evaluation of Genomic Applications in Practice and Prevention	http://www.egappreviews.org/default.htm	2013	Working Group	Open	Comprehensive	An initiative launched by the CDC Office of Public Health Genomics. This independent, multidisciplinary panel

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						<p>assesses the available evidence for validity and utility of rapidly emerging genetic tests for clinical practice. The panel prioritizes and selects tests, reviews CDC-commissioned evidence reports, highlights knowledge gaps, and provides guidance on appropriate use of genetic tests.</p>