Genomics Weekly News Digest

August 2, 2007

The Genomics Weekly News Digest is a summary of the Genomics Weekly Update that is distributed by the CDC. The contents are arranged by topic, and not all the original content is included. The items are copied and pasted into this document from the original. The original content can be accessed at: http://www.cdc.gov/genomics/update/current.htm

* If you have trouble accessing an article, send the link to the library, and they will retrieve the article for you.

GENERAL INTEREST

New grants bolster efforts to generate faster and cheaper tools for DNA sequencing, NIH, August 1

Researchers track how a single molecule of RNA or DNA unwinds, News-Medical.Net, July 30

Poised for action, held in check until needed, gene-transcription machinery ready and waiting, Medical News Today, July 29

Still hear wedding bells? Maybe it's your genes, Reuters Health, July 30

Major proteomics initiative project a hope for the future, Medical News Today, July 29

Odile Crick, who drew iconic double helix, dies at 86, New York Times, July 30

Gene for left-handedness is found, BBC News, July 31

ETHICAL, LEGAL AND SOCIAL ISSUES (ELSI)

FDA statement on gene therapy trial, News-Medical.Net, July 29

CHRONIC DISEASE

Cancer

MMRF, MMRC launch multiple myeloma genomics portal, Yahoo News, August 1

Mechanisms of colorectal and lung cancer prevention by vegetables: a genomic approach

Cardiovascular Disease (including Hypertension and Stroke)

Genetic finding sheds light on diseases causing blood vessel breakdown, Science Daily, July 30

Directed nanoparticles deliver gene therapy, News-Medical.Net, July 31
Diabetes and Related Disorders

Identifying the mechanism behind a genetic susceptibility to type 2 diabetes, EurekAlert, August 1

Inflammatory Disorders

Research links genetic mutations to lupus, EurekAlert, July 30

Evidence of a common genetic background for ankylosing spondylitis and inflammatory bowel disease, EurekAlert, July 30

Inflammation and genes
Marklova E Acta Medica (Hradec Kralove) 2007;50(1):17-21

Chronic Pain

The genetics of migraines, Marketing Article Bank, July 31

Ocular Disorders

Genetic testing for retinal dystrophies and dysfunctions: benefits, dilemmas and solutions

Kidney Disease

Advances in genetic detection of kidney disease

INFECTIOUS DISEASE

TB gene tweak could bring better vaccines, CBC News, August 1

Host factors influencing susceptibility to HIV infection and AIDS progression

MATERNAL AND CHILD HEALTH / CHILDREN WITH SPECIAL HEALTH NEEDS

Congenital Conditions

Study identifies new gene therapy tools for inherited blindness, Medical News Today, July 29

Maternal and Child Health

Gene expression pattern could lead to improved treatment of pediatric septic shock, News-Medical.Net, July 29
New receptor gene may illuminate MRI on fetal development  Science Daily, July 28

Genetic analysis of non-syndromic craniosynostosis

Genetic Testing

Xenomics issued European patent for "Transrenal nucleic acid technology for prenatal diagnostics", News-Medical.Net, August 1

MENTAL and NEUROLOGICAL CONDITIONS

Neurological Disorders

Genome detectives discover culprits in multiple sclerosis, News-Medical.Net, July 30

Gene variant linked to Lou Gehrig's disease, CBC News, August 1

A low expression of MX2 gene exists in the white blood cells of narcoleptics, EurekAlert, August 1

PHARMACOGENOMICs

Success or failure of antidepressant citalopram predicted by gene variation, NIH, August 1

GENOMIC EPIDEMIOLOGY AND TOOLS FOR POPULATION HEALTH

Two-stage association tests for genome-wide association studies based on family data with arbitrary family structure