Genomics Weekly News Digest

July 19, 2007

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GENERAL INTEREST

Plumber protein uses different tools to turn on genes, News-Medical.Net, July 18

Genes leave a sour taste in your mouth, Medical News Today, July 18

Ability to listen to 2 things at once is largely inherited, says twin study, NIH News, July 17

New genomics-based technology, News-Medical.Net, July 16

Breakthrough in understanding of how mutations occur in genes, News-Medical.Net, July 15

Scientists discover human genes hover between "on" and "off" in any given cell, News-Medical.Net, July 15

Childrens Research Institute, Affymetrix launch gene study, Medical News Today, July 17

ETHICAL, LEGAL AND SOCIAL ISSUES (ELSI)

Genetic defects: GMCH offers hope, The Times of India, July 18

Family histories reveal health risks, The News Tribune.com, July 16

Risk reduction and health promotion behaviors following genetic testing for adult-onset disorders
Beery TA & Williams JK Genet Test 2007 Summer;11(2):111-23

CHRONIC DISEASE

Cancer

New genetic marker for prostate cancer aggressiveness, Medical News Today, July 18

FDA approves gene test to detect spread of breast cancer into lymph nodes, News-Medical.Net, July 17

July: Breast/Ovarian Genetic Testing, my fox Birmingham, July 16
BRCA1, BRCA2, TP53, and CDKN2A germline mutations in patients with breast cancer and cutaneous melanoma

Familial Breast/Ovarian Cancer and BRCA1/2 Genetic Screening: The Role of Immunohistochemistry as an Additional Method in the Selection of Patients

Discrepancies Between Estimated and Perceived Risk of Cancer among Individuals with Hereditary Nonpolyposis Colorectal Cancer

Effects of colon cancer risk counseling for first-degree relatives

Direct contact in inviting high-risk members of hereditary colon cancer families to genetic counselling and DNA-testing

A Familial Component to Human Rectal Cancer, Independent of Colon Cancer Risk

Potential new target for cancer found, EurekAlert, July 14

Cardiovascular Disease (including Hypertension and Stroke)

Gene test for heart attack risk within two years, Telegraph.co.uk, July 19

UK scientists lift lid on genetics of coronary artery disease, EurekAlert, July 18

Interleukin genetics completes enrollment of studies in Japan and China on genetic risk for osteoporosis and cardiovascular disease, Medical News Today, July 17

Advancing stroke therapeutics through genetic understanding

Diabetes and Related Disorders

Parental history and risk of type 2 diabetes in overweight latino adolescents: a longitudinal analysis

Obesity

Genes help determine amount of lean body mass, Reuters Health, July 19

Immune System Conditions

The genetics of generalized vitiligo and associated autoimmune diseases

Gynecological Disorders
The search for genetic variants predisposing women to endometriosis

Ocular Disorders

Gene variant increases risk of blindness, Science Daily, July 19

Chronic Fatigue

Chronic fatigue syndrome finally gains official respect, International Herald Tribune, July 18

Gastrointestinal Disorders

Gene identified for Crohn's disease in children, Medical News Today, July 19

Genes, diet and inflammatory bowel disease
Ferguson LR, et al. Mutat Res 2007 Jun

MAMNTAL AND CHILD HEALTH / CHILDREN WITH SPECIAL HEALTH NEEDS

Congenital Conditions

Uncovered: New gene linked to Type 1 diabetes in children, Scientific American, July 15

Maternal and Child Health

Study finds hereditary link to premenstrual depression, Science Daily, July 18

Is routine molecular screening for common alpha-thalassaemia deletions necessary as part of an antenatal screening programme?

MENTAL and NEUROLOGICAL CONDITIONS

Mental Health and Behavioral Conditions

Genetic link between smoking addiction and major depression found, Yahoo! News, July 17

Dopamine Genes and Schizophrenia: Case Closed or Evidence Pending?
Talkowski ME, et al. Schizophr Bull 2007 Jul

Neurological Disorders
Rochester now offers gene test to detect Batten disease, News-Medical.Net, July 12

Scientists discover genes behind restless legs, Medical News Today, July 19

Disclosures of Huntington disease risk within families: Patterns of decision-making and implications

GENOMIC EPIDEMIOLOGY AND TOOLS FOR POPULATION HEALTH

Gene analysis & biostatistics 3 is better than 2 but not than 4, Medical News Today, July 18

Design and Analysis of Genetic Association Studies to Finely Map a Locus Identified by Linkage Analysis: Assessment of the Extent to Which an Association Can Account for the Linkage
Hanson RL & Knowler WC Ann Hum Genet 2007 Jul

A Common 1317TC Polymorphism in MTHFR Can Lead to Erroneous 1298AC Genotyping by PCR-RE and TaqMan(R) Probe Assays