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

GENERAL INTEREST

“Key Gene Controlling Kidney Development Found”
(Oct 11) Medical News Today reports, “A gene called Six2 plays a critical role in the development of the kidney by keeping a population of "parent" stem cells constantly available to produce the differentiated cells that give rise to specialized parts of the organ, according to investigators at St. Jude Children's Research Hospital.”

“Genes May Dictate Response to Stress”
(Oct 10) MedlinePlus reports, "Whether or not you have one or another variant of a particular gene could determine your response to life's ups and downs, a new study finds."

“Genetics to bring about Medical Breakthroughs...”
(Oct 9) Medindia.com reports, “Recently, 10 top Australian researchers have predicted what they hope to be medical breakthroughs of the future.”

Public health. Genomics and medicine at a crossroads in Chernobyl

ETHICAL, LEGAL AND SOCIAL ISSUES (ELSI)

Genes, Race, and Population: Avoiding a Collision of Categories
Kahn J Am J Public Health 2006 Oct

The post-Human Genome Project mindset: race, reliability, and health care

Voluntary Participation and Informed Consent to International Genetic Research

Assessing risk assessment; genetic testing and screening for complex disease
Cox S Clin Genet 2006 Nov;70(5):438-44
CHRONIC DISEASE

Cancer

“Red hair genes up skin cancer risk, study confirms”
(Oct 11) Reuters Health reports, “Genes involved in skin pigmentation have an effect on a person’s skin cancer risk beyond their influence on a person’s hair or skin color, a new study shows.”

Investments in Cancer Genomics: Who Benefits and Who Decides

Heritable susceptibility factors for the development of cancer
Au WW J Radiat Res (Tokyo) 2006;47 Suppl B:B13-7

“Researchers publish largest genome-wide study of prostate cancer in African American men”
(Oct 11) EurekAlert reports, “Researchers from 14 institutions across the country today announced the results of the first genome-wide linkage study of prostate cancer in African Americans.”

“Key to lung cancer chemo resistance revealed”
(Oct 10) EurekAlert reports, “Scientists at Johns Hopkins have discovered how taking the brakes off a “detox” gene causes chemotherapy resistance in a common form of lung cancer.”

“A tumor suppressor that promotes cancer cell growth?”
(Oct 6) EurekAlert reports, “Researchers have shown that the tumor suppressor gene H-REV107-1 may actually stimulate tumor progression in some non-small cell lung carcinomas.”

Ashkenazi Jews and Breast Cancer: The Consequences of Linking Ethnic Identity to Genetic Disease

Tolerance for uncertainty and perceived risk among women receiving uninformative BRCA1/2 test results

Family history of breast cancer and young age at diagnosis of breast cancer increase risk of second primary malignancies in women: a population-based cohort study

“New Breast Cancer Gene Found”
(Oct 9) MedlinePlus reports, “Scientists say they’ve spotted a new breast cancer susceptibility gene that might someday help women ascertain their risk for the disease.”

Influence of genetic polymorphisms on the risk of developing leukemia and on disease progression

Cardiovascular Disease (including Hypertension and Stroke)

“Genes, Diet And Heart Disease Linked”
(Oct 10) Medical News reports, “Researchers from the Jean Mayer USDA Human Nutrition Research Center (USDA HNRCA) at Tufts University and colleagues have found another link among genes, heart disease and diet.”

Diabetes
“Assessing Groups Of Genetic Variants Improves Prediction Of Type 2 Diabetes”
(Oct 6) Medical News Today reports, “Looking at groups of genetic changes may help to predict who will get type 2 diabetes according to a study led by scientists from the Peninsula Medical School in Exeter.”

Obesity

Predictors of uptake of obesity genetic testing among affected adults
Segal ME, et al. Hum Genet 2006 Sep

Hearing Disorders

“Glue Ear Probably Due To Faulty Gene”
(Oct 11) Medical News Today reports, “Glue ear, or (adhesive) otitis media, is probably caused by a faulty gene, called called Evi1, say scientists from the Medical Research Council Mammalian Genetics Unit, UK.”

INFECTION DISEASE

Mendelian and complex genetics of susceptibility and resistance to parasitic infections

MATERNAL AND CHILD HEALTH / CHILDREN WITH SPECIAL HEALTH NEEDS

Maternal and Child Health

Presymptomatic and predictive genetic testing in minors: a systematic review of guidelines and position papers

Attitudes and beliefs of pediatricians and genetic counselors regarding testing and screening for CF and G6PD: Implications for policy

Congenital Conditions

“Research Sheds Light on Rare Genetic Disorder”
(Oct 5) MedlinePlus reports, "Insight into a key protein is helping experts better understand a rare cognitive disorder called Williams-Beuren syndrome."

The CF-CIRC study: a French collaborative study to assess the accuracy of Cystic Fibrosis diagnosis in neonatal screening

“McGill researchers find gene that's a leading cause of blindness in newborns”
(Oct 5) Medbroadcast.com reports, "Nearly three years after the devastating news that her baby boy was blind, Nadine Seed is hopeful the veil of darkness could one day be lifted."
MENTAL and NEUROLOGICAL CONDITIONS

Mental Health and Behavioral Conditions

“Early family experience can reverse the effects of genes. UCLA psychologists report” (Oct 10) EurekAlert reports, “Early family experience can reverse the effect of a genetic variant linked to depression, UCLA researchers report in the current issue of the journal Biological Psychiatry.”

Familial aggregation of illness chronicity in recurrent, early-onset major depression pedigrees

Familiality of postpartum depression in unipolar disorder: results of a family study

Effects of Acute Tryptophan Depletion on Mood and Facial Emotion Perception Related Brain Activation and Performance in Healthy Women with and without a Family History of Depression
van der Veen FM, et al. Neuropsychopharmacology 2006 Oct

Neurological Disorders

CYP450, genetics and Parkinson’s disease: gene x environment interactions hold the key
Mellick GD
J Neural Transm Suppl 2006(70):159-65

Clinical and pathologic features of families with LRRK2-associated Parkinson’s disease

Associations between family history of Parkinson’s disease and dementia and risk of dementia in Parkinson’s disease: A community-based, longitudinal study
Kurz MW, et al. Mov Disord 2006 Oct

Progress in familial Parkinson’s disease

PHARMACOGENOMICS

“Lexicon Genetics Awarded Additional Grant For Study Of Spinal Muscular Atrophy” (Oct 12) Medical News Today reports, “Lexicon Genetics Incorporated (Nasdaq: LEXG) announced today that its research program to identify targets that may be important in the development of drugs to prevent or treat spinal muscular atrophy (SMA) has been extended for an additional year by the United States Army Medical Research & Materiel Command (USAMRMC).”

“Children’s Hospital Study Could Help Surgeons Predict Which Transplant Recipients Would Experience Rejection/Tailor Medication” (Oct 11) Children’s Hospital of Pittsburgh reports, “A Children’s Hospital of Pittsburgh of UPMC transplant surgeon and researcher has received a grant from the National Institutes of Health to study genetic factors that could predispose transplant recipients to rejection.”
“Ceregene Announces Promising Phase 1 Results From Gene Therapy Trial for Parkinson's Disease”
(Oct 10) Biotech Intelligence reports, “Ceregene, Inc. announced today that CERE-120, a gene therapy product in development for the treatment of Parkinson's disease, was well tolerated and appeared to reduce symptoms by approximately 40% (p<0.001), as measured by the Unified Parkinson’s Disease Rating Scale (UPDRS) motor "off" score, in an open-label Phase 1 study in 12 patients with advanced disease.”

GENOMIC EPIDEMIOLOGY AND TOOLS FOR POPULATION HEALTH

“Genetic Association Information Network announces genotyping awards for six common diseases”
(Oct 10) EurekAlert reports, “First round of whole Genome Association studies focuses on disorders of the brain, skin and kidney.”

Using DNA pools for genotyping trios

“Molecular Medicine Article Supports the Clinical Utility of Normal Reference Ranges of Gene Expression for Diagnosing and Monitoring Disease”
(Oct 10) Biotech Intelligence reports, “Source MDx today announced the publication of a paper in Molecular Medicine outlining the importance and relevance of establishing a "normal" reference dataset for gene expression assays to distinguish the molecular profile of a disease condition from that of a healthy population.”