



BioTechCircle News®

March, 2005

Quote of the month:

An international team of RNA scientists, known as the RNA Ontology Consortium, has now been formed to develop a shared vocabulary and system for describing, cataloging and comparing their findings.

<http://www.bgsu.edu/offices/pr/news/2005/news8863.html>

It is our sincere hope that this sharing this newsletter helps YOU get maximum use of the information presented here.

In this articles section: links to 71 free Web articles in 9 major categories.

While we were compiling the articles for this month, Bio-IT World took some of its archived materials offline during enhancement of its site. In the hopes that the articles will eventually become available, we are providing, unclassified, their titles and links, although without the abstracts. They appear at the end of the classified listings.

Over the past several months, unfortunately a number of publications we've been covering have moved to paid subscription so links to their articles no longer appear in this newsletter. We are searching for replacements in order to alert you to a wide variety of advancements in the biotech area.

The major categories are in alphabetical order and further subdivided to make it easy for you to locate news and developments in technology, the business and the markets in the life science areas of interest to you.

Note: if the links don't connect you directly, please copy and paste the entire URL into your web browser.

Here are the major categories and the page where each category starts:

Biobusiness Management (3 articles) – Page 2
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BIOBUSINESS MANAGEMENT

Subcategory: Data Integration

Proteomics Lab Moves Away from Paper

Bioscience Technology

23-Mar-05

The problem with paper is that it's intrinsically impossible to track a multidimensional progress. Discusses system that allows multiple people working on the same project to know what one another is doing and prevents data from getting lost.

<http://www.biosciencetechnology.com/ShowPR~PUBCODE~090~ACCT~9000000100~ISSUE~0503~RELTYPE~PR~ORIGRELTYPE~RLSN~PRODCODE~00000000~PRODLETT~R.html>

Subcategory: Government/ Approvals

FDA Issues Pharmacogenomics Guidance

Bioscience Technology

22-Mar-05

Some companies see FDA's recent pharmacogenomics guidance as an opportunity to apply their related technologies and prove the value of pharmacogenomics in improving the drug discovery process.

<http://www.biosciencetechnology.com/ShowPR~PUBCODE~090~ACCT~9000000100~ISSUE~0503~RELTYPE~PR~ORIGRELTYPE~RLSN~PRODCODE~00000000~PRODLETT~Q.htm>

U.S. Agency Acts to Foster 'Personalized' Drugs

Andrew Pollack

Herald Tribune

24-Mar-05

Discusses impact of the U.S. Food and Drug Administration's guidelines on submission of genetic information by pharmaceutical companies as part of the drug approval process.

<http://www.iht.com/articles/2005/03/23/business/drugs.html>

DIAGNOSTIC TOOLS

Subcategory: Genomics

Study of Genomic DNA Leads to New Advances in Cancer Diagnostics

EurekAlert!

22-Mar-05

Using an enzyme (Alu I) that cuts DNA at a common sequence in the human genome, researchers found that non-malignant cells were sensitive to DNA digestion by Alu I and highly malignant cells were resistant.

http://www.eurekalert.org/pub_releases/2005-03/tajo-sog031605.php

INDUSTRY

Subcategory: Collaboration

RNA Project to Create Language for Scientists Worldwide

Bowling Green State

21-Mar-05

An international team of RNA scientists, known as the RNA Ontology Consortium, has now been formed to develop a shared vocabulary and system for describing, cataloging and comparing their findings.

<http://www.bgsu.edu/offices/pr/news/2005/news8863.html>

Subcategory: Privacy/ Records Management

DNA Profiling of Babies Rejected

BBC News

31-Mar-05

The Human Genetics Commission (HGC) and the National Screening Committee of the U.K. concluded that taking DNA profiles of every baby born in the U.K. Would not be cost effective, and posed also ethical problems.

<http://news.bbc.co.uk/1/hi/health/4396833.stm>

INVESTMENTS/ GOV. SUPPORT

Subcategory: Geographic focus

Early-stage Biotech Investing Lags Behind Nation

Jeff Meisner

Puget Sound Business

18-Mar-05

Explains why early-stage biotech investing is so costly, with putting most of their money into later-stage companies with products in human trials, or products closer to getting to market. Focus on Seattle area.

<http://www.bizjournals.com/seattle/stories/2005/03/21/focus6.html>

PERSONALIZED MEDICINE

Subcategory: Gene Therapy

U.S. Panel Recommends Limiting Gene Therapy Trials

Amanda Gardner

HealthDay

05-Mar-05

Halted U.S. experiments should resume only for children with no other option, FDA advisers say. One aspect of gene therapy under scrutiny is the "delivery systems" used to get a gene into the human body.

<http://www.healthday.com/view.cfm?id=524357>

PLATFORM TECHNOLOGIES

Subcategory: Biomarker

Hearts and Minds: Biomarker Research Branches Out

Alan Dove

Genomics & Proteomics

01-Mar-05

Using new genomic and proteomic tools, researchers are now engaged in an unprecedented large-scale hunt for new biomarkers in addition to cancer, including cardiovascular disease.

<http://www.genpromag.com/ShowPR.aspx?PUBCODE=018&ACCT=1800000100&ISSUE=0503&RELTYPE=PR&ORIGRELTYPE=PRO&PRODCODE=00000000&PRODLETT=AN>

Subcategory: Cell Therapy

Tiny Flies Could Lead to Understanding Potential for Non-embryonic

EurekAlert!

28-Feb-05

Researchers have demonstrated, through a study of regeneration and transdetermination of imaginal discs in fruit fly larvae, that cells can regenerate without becoming "younger."

http://www.eurekalert.org/pub_releases/2005-02/uow-tfc022805.php

Subcategory: Drug Discovery

Chaos Theory and Fractals Bring Order to PK and PD

Mark Greener

Drug Discover &

15-Mar-05

Greener says that changing mindsets to embrace "fuzzy thinking" in pharmacokinetics and pharmacodynamics can be difficult, but the returns may be worth the trouble.

<http://www.dddmag.com/ShowPR.aspx?PUBCODE=016&ACCT=1600000100&ISSUE=0503&RELTYPE=PR&ORIGRELTYPE=CEM&PRODCODE=00000000&PRODLETT=O>

Subcategory: Gene Sequences

New York Air to Have its Genes Sequenced

New Scientist

08-Mar-05

The "air genome project" aims to sequence the genomes of all the microbes floating in New York City air. Some experts say the research could lead to the discovery of previously unknown organisms and aid biosecurity.

<http://www.newscientist.com/article.ns?id=dn7112>

Subcategory: Genomics

Director of The Science Advisory Board to Present RNA Interference Technology Research Insights

BioInfomatics

15-Apr-05

The fundamental attraction of RNAi technology is that it permits scientists to observe the metabolic, physiologic and phenotypic changes that occur in a cell during real time due to a specific gene under specific conditions.

<http://www.gene2drug.com/about/news.asp?newsId=168>

An Actual Analysis of Sense-Antisense Transcripts

Bioscience Technology

31-Mar-05

Wanting to go beyond previous in silico approaches to identify sense-antisense transcript (SAT) pairs, researchers investigated their expression in living tissue using a custom oligo-microarray to detect the strand-specific expression of SAT pairs.

<http://www.biosciencetechnology.com/ShowPR~PUBCODE~090~ACCT~9000000100~ISSUE~0503~RELTYPE~PR~ORIGRELTYPE~RLSN~PRODCODE~00000000~PRODLETT~X.html>

NAi Provides Clues, Yet Remains a Mystery

Bill Schu

Genomics & Proteomics

01-Mar-05

RNA interference has been used widely in academia as a tool for gene silencing, but many are still struggling to find a way to make it work for them. Researchers are testing out different theories and separating the real leads from dead ends.

<http://www.genpromag.com/ShowPR.aspx?PUBCODE=018&ACCT=1800000100&ISSUE=0503&RELTYPE=PR&ORIGRELTYPE=GPF&PRODCODE=00000000&PRODLETT=AP>

RESEARCH ADVANCEMENTS

Subcategory: Cardiology/ Vascular Diseases

Mayo Clinic Develops First Genomic-based Test to Predict Stroke from Ruptured Brain Aneurysm

EurekaAlert!

03-Mar-05

Researchers report that people with key variations in a gene that

affects the ability of blood vessels to relax are 10 times more likely to suffer a stroke from a ruptured brain aneurysm than people who have aneurysms but lack these variations.

http://www.eurekalert.org/pub_releases/2005-03/mc-mcd030305.php

UC Davis Researchers Discover New Link Between C-reactive Protein, and Heart Disease and Stroke

EurekAlert!

16-Mar-05

Researchers found that endothelial cells also produce C-reactive protein, a key finding that helps to explain how plaque formation is initiated. This is important because endothelial cells are supposed to protect the arteries from C-reactive protein.

http://www.eurekalert.org/pub_releases/2005-03/uocd-udr031605.php

Mouse Gene Shows New Mechanism Behind Cardiac Infarction in Man

Kalolinska Institutet

08-Mar-05

A gene that, in different variants, increases or decreases the level of atherosclerosis has been identified in mice. The corresponding human gene has been shown to play a role in the development of myocardial infarction.

http://info.ki.se/article_en.html?ID=3246

Skin Test May ID Heart Attack, Stroke Risk

WebMD

07-Mar-05

Discusses a new skin test that may provide needed information about cholesterol levels. The test can identify people at risk for stroke and heart attacks but who have no symptoms.

http://my.webmd.com/content/article/101/106419.htm?z=1728_00000_1000_tn_05

Subcategory: Dermatology

Key to Severe Skin Disease Found

BBC News

14-Mar-05

Using SNP array technology, researchers were able to pinpoint a suspect area of the genetic code linked to activity of a gene called ABCA 12, implicated in Harlequin Ichthyosis (HI), a skin disease causing most babies to die soon after birth..

<http://news.bbc.co.uk/1/hi/health/4337009.stm>

Subcategory: Genomics

DNA 'Packaging' Linked with Cancer

EurekAlert!

22-Mar-05

The molecules that surround a cell play a crucial role in altering the

packaging of its genome, opening it up to the machinery that allows genes to be expressed, or closing it down, according to a study.
http://www.eurekalert.org/pub_releases/2005-03/uoia-dl032105.php

Subcategory: Geriatrics

Ageing Disease 'Gene Clue' Found

BBC News

07-Mar-05

Researchers were able to correct inaccurate genetic information in the cells taken from people with Progeria, a rare premature ageing disease.

<http://news.bbc.co.uk/1/hi/health/4319435.stm>

Subcategory: Hematology

New Clues to Cause of Iron Disorder

HealthDay

16-Mar-05

Researchers found the protein ferroportin is the major iron exporter at key points of iron absorption and release in the body. Iron accumulation in people with hemochromatosis may be due to ferroportin-related loss of control over iron export.

<http://www.healthday.com/view.cfm?id=524478>

Subcategory: Immunology/ Infectious Diseases

Discovery of Gene Will Likely Lead to New Treatments for Inflammatory Diseases, Cancer

EurekAlert!

28-Mar-05

Researchers report the discovery of a new gene, STAT6(B), that helps regulate production of the potentially deadly tumor necrosis factor alpha (TNF-alpha) cytokine, involved in inflammatory disorders such as Crohn's disease and rheumatoid arthritis.

http://www.eurekalert.org/pub_releases/2005-03/bu-dog032805.php

Newly Discovered Protein an Important Tool for Sleeping Sickness

EurekAlert!

28-Feb-05

Researchers report their discovery of a protein called JBP2, which will help them test their hypothesis that a uniquely modified DNA base called base J is a key component of the trypanosome's mechanism for evading the immune system.

http://www.eurekalert.org/pub_releases/2005-02/mbi-ndp022805.php

Subcategory: Metabolism: Obesity, Diabetes

UT Southwestern Researchers Uncover Gene Variant That Appears to Predict Type 2 Diabetes

EurekAlert! 25-Mar-06
A variation in the gene ENPP1 has been found to be as much as 13% more common in people with type 2 diabetes and in those at greater risk for the disease.

http://www.eurekalert.org/pub_releases/2005-03/uots-usr032205.php

Sugar-Producing Proteins Point to New Diabetes Drugs

HealthDay 02-Mar-05
The interaction between 2 proteins, sirtuin1 and PGC1-alpha, to prompt the liver to produce sugar may offer a target for the development of new drugs to treat diabetes. In people with diabetes, this sugar production can occur when it isn't needed.

<http://www.healthday.com/view.cfm?id=524247>

Insulin Levels Linked to Alzheimer's Disease

News-Medical 07-Mar-05
Reports insulin is not just produced in the pancreas, but also in the brain; insulin and its growth factors, which are necessary for the survival of brain cells, contribute to the progression of Alzheimer's, raising the possibility of a Type 3 diabetes.

http://www.news-medical.net/print_article.asp?id=8212

Subcategory: Miscellaneous

Secrets of the Cilia: Kidney Disease and Blindness Share Common

EurekAlert! 02-Mar-05
In both the eye and the kidney, scientists found that mutations in NPHP5 produced defects in hair-like cellular structures called cilia. Cilia may play roles in diseases ranging from diabetes to Alzheimer's.

http://www.eurekalert.org/pub_releases/2005-03/uomh-sot030205.php

Subcategory: Neurology

Gene May Be a Cause of Dyslexia

BBC News 03-Mar-05
A single gene, called KIAA0319, has been linked to dyslexia in children. Research will now focus on how the gene works within the brain to disrupt reading and writing skills.

<http://news.bbc.co.uk/1/hi/wales/4313937.stm>

Silence the Gene, Save the Cell: RNA Interference as Promising Therapy for Amyotrophic Lateral Sclerosis

Medical News Today 14-Mar-05
Presents the first proof of principle in the human form of a disease of

the nervous system in which you can silence the gene and at the same time produce another normal form of the protein.

<http://www.medicalnewstoday.com/medicalnews.php?newsid=21176>

Gene Variant That May Increase the Risk of Late-onset Alzheimer's

News-Medical

02-Mar-05

Researchers report that specific changes in the gene for a protein called ubiquilin-1 are associated with an increased incidence of Alzheimer's. The discovery could lead to a new target for the development of preventive and treatment strategies.

http://www.news-medical.net/print_article.asp?id=8123

Subcategory: Oncology

Cancer Cells Put into Deep Sleep

BBC News

15-Mar-05

Scientists have found a way to block the development of cancer by putting tumor cells into a permanent coma. When a gene called Tbx2 was disabled, melanoma cells lost the ability to divide.

<http://news.bbc.co.uk/1/hi/health/4348281.stm>

Model for Understanding Chemically Induced Cancer

Bioscience Technology

10-Mar-05

Researchers found a conformational switch in a tumor suppressor gene altered by a cancer-causing chemical found in cigarette smoke. The finding may help in understanding how chemically induced cancers are initiated.

<http://www.biosciencetechnology.com/ShowPR~PUBCODE~090~ACCT~9000000100~ISSUE~0503~RELTYPE~PR~ORIGRELTYPE~RLSN~PRODCODE~00000000~PRODLETT~H.htm>

Mayo Clinic Discovers 'New Pathway' Against Pancreatic Cancer

EurekAlert!

15-Mar-05

Researchers report discovering a key molecule that controls the growth, spread and survival of pancreatic cancer cells. This is a critical first step toward developing new and better treatments for patients with pancreatic cancer.

http://www.eurekalert.org/pub_releases/2005-03/mc-mcd031105.php

Research May Provide Ways to Inhibit Cancer's Ability to Resist

EurekAlert!

03-Mar-05

Researchers have crystallized--or characterized in three dimensions--polynucleotide kinase (PNK), a key enzyme involved in a cell's ability to repair single-strand and double-strand breaks in DNA.

http://www.eurekalert.org/pub_releases/2005-03/uoa-rmp030305.php

- Genetically Modified Natural Killer Immune Cells Attack, Kill**
EurekAlert! 25-Mar-05
Study shows that new genetic modification and culture techniques produce NK cells with significantly enhanced ability to eradicate leukemia cells.
http://www.eurekalert.org/pub_releases/2005-03/sjcr-gmn032505.php
- New Tumor-suppressor Gene Discovered**
EurekAlert! 10-Mar-05
A new tumor-suppressor gene has been discovered which works with another tumor suppressor to control tissue growth. The new gene is named "mats," an abbreviation for "Mob As Tumor Suppressor."
http://www.eurekalert.org/pub_releases/2005-03/ps-ntg030905.php
- Emory Scientists Find New Prostate Cancer Suppressor Gene**
EurekAlert! 22-Mar-05
A gene named ATBF1 may contribute to the development of prostate cancer through acquired mutations and/or loss of expression, according to research.
http://www.eurekalert.org/pub_releases/2005-03/euhs-esf032205.php
- MUHC Researchers Make Cancer Target Breakthrough**
EurekAlert! 08-Mar-05
Researchers have identified a new gene, MTHFR, promoting the growth of both colon and lung cancer tumors; the function of the gene was inhibited by creating antisense, an exact opposite of a tiny section of the MTHFR gene.
http://www.eurekalert.org/pub_releases/2005-03/mu-mrm030805.php
- Targeting Mutant B-Raf Protein Reduces Melanoma Development**
EurekAlert! 22-Mar-05
Researchers have identified the mechanism by which the most mutated gene in melanoma, called v599EB-Raf, aids melanoma tumor development and demonstrating its importance as a therapeutic target.
http://www.eurekalert.org/pub_releases/2005-03/ps-tmb032205.php
- Mutant Protein Developed by Hebrew University Scientists**
EurekAlert! 16-Mar-05
A unique technique for neutralizing the action of the leptin protein in humans and animals, thereby providing a means for controlling and better understanding of leptin function, including its role in unwanted cell growth, has been developed.
http://www.eurekalert.org/pub_releases/2005-03/huoj-mpd031605.php

Biochemists Report Discovery of Structure of Major Piece of Telomerase; Implications for Cancer

EurekaAlert!

09-Mar-05

Every time a cell divides, telomeres get shorter. In the natural aging process, the telomeres eventually get so short that cells can no longer divide, and they die. While telomerase is turned off in most healthy cells, it is active in most cancer cells.

http://www.eurekaalert.org/pub_releases/2005-03/uoc--brd030905.php

Compound Could Stop Cancer Growth

HealthDay

22-Mar-05

Researchers say they've discovered a compound that blocks a known cancer-causing protein. The compound, called cysmethynil, inhibits destructive cell signals responsible for the growth of a third of all cancers.

<http://www.healthday.com/view.cfm?id=524612>

Protein That Helps Skin Cancer Spread Identified by Stanford

Medical News Today

18-Mar-05

Reports findings that a fragment of collagen VII is required for the skin cancer cells to break free from the neighboring skin tissue and spread - a step that turns an otherwise benign tumor into a killer.

<http://www.medicalnewstoday.com/medicalnews.php?newsid=21450>

Researchers Uncover Mutated Genes Involved in Lung Cancer; One Affects Nonsmokers

Medical News Today

02-Mar-05

Lung cancer patients who have never smoked are more likely than smokers to harbor 1 of 2 genetic mutations, which may help explain why some lung cancer patients respond dramatically to one form of targeted therapy while others have little or no response.

<http://www.medicalnewstoday.com/medicalnews.php?newsid=20544>

Compound Inhibits One Critical Pathway in Breast Cancer Growth

Ohio State University

08-Mar-05

Laboratory experiments in human breast cancer cells suggest that a compound called STA-21 inhibits the constant activation of a protein called Stat3 that is found in several different types of cancer.

<http://researchnews.osu.edu/archive/stat3.htm>

New Cancer Drug May Block Tumor Growth

WebMD

14-Mar-05

A study suggests that the ONO1910 drug works by zeroing in on a molecule called PLK1 that is known to play a critical role in the spread

of cancer. The molecule drives normal cell division. High levels of it have been found in human cancer tumors.

http://my.webmd.com/content/article/102/106541.htm?z=1728_00000_1000_tn_08

Testicular Cancer Test May Give Early Diagnosis

webMD

02-Mar-05

A test checks semen samples for a protein called AP-2 gamma, which comes from undeveloped cells that produce sperm. Most testicular cancers originate from these undeveloped cells.

http://my.webmd.com/content/article/101/106209.htm?z=1728_00000_1000_tn_07

Subcategory: Ophthalmology

Discovery Could Prevent Blindness in Premies

HealthDay

04-Mar-05

Researchers have identified a protein in mice called HIF-2* that is crucial in retina formation. The protein may be triggered inappropriately when premature babies who are initially housed in oxygen-rich incubators are removed.

<http://www.healthday.com/view.cfm?id=524173>

Gene Variation Could Be Responsible for Age-related Macular

Southwestern Medical

10-Mar-05

Half of all cases of age-related macular degeneration, the leading cause of blindness among the elderly, could be caused by a variation in Complement Factor H.

<http://www8.utsouthwestern.edu/utsw/cda/dept37389/files/211338.html>

Subcategory: Reproduction

Mice with Two Mothers; Gene “Imprints” Were Key to Making

Genome News Network

23-Apr-05

Researchers have shown that female mice can reproduce without help from the male. Although embryos from mice and other mammals have been created in the past without using any DNA from males, this was the first time an offspring was born.

<http://www.genomenevsnetwork.org/articles/2004/04/23/fatherless.php>

Infertility - Discovery Could Mean New Treatment

News Medical

09-Mar-05

Researchers have discovered a protein essential for human sperm to fuse to an egg. The findings could well lead to new methods of treating infertility and the development of new contraceptive strategies.

RESEARCH TOOLS

Subcategory: Computing Systems

Biotechnology Research New Arena for Open Source

LinuxInsider

04-Mar-05

A contractor for the U.S. Department of Defense is developing the open-source platform to allow researchers at universities, government agencies and private firms to read, distribute, modify and contribute to stem cell and other biotechnology research.

<http://www.linuxinsider.com/rsstory/41081.html>

Subcategory: Databases

Referencing Gene Expression to Healthy Tissue

Bioscience Technology

14-Mar-05

A gene expression database from the National Cancer Institute, comprising 18,927 genes captured for 158 normal human tissues samples from 19 different organs of 30 different donors is said to be the largest open-source database for normal human tissue.

<http://www.biosciencetechnology.com/ShowPR~PUBCODE~090~ACCT~9000000100~ISSUE~0503~RELTYPE~PR~ORIGRELTYPE~RLSN~PRODCODE~00000000~PRODLETT~J.html>

Subcategory: Gene Sequences

Sequencing the X Chromosome

Bioscience Technology

24-Mar-05

The most comprehensive analysis of the X chromosome shows the origin of the X chromosome and how it has been preserved, while the Y chromosome has degenerated. It also identifies new genes involved in disease.

<http://www.biosciencetechnology.com/ShowPR~PUBCODE~090~ACCT~9000000100~ISSUE~0503~RELTYPE~PR~ORIGRELTYPE~RLSN~PRODCODE~00000000~PRODLETT~S.html>

Subcategory: Genome Sequence

Strategy for Finding Functional Elements Proposed

Bioscience Technology

15-Mar-05

In looking for a way to improve the efficiency of identifying functional elements in the human genome, researchers propose an alternative strategy that involves low-redundancy comparative sequencing across multiple species.

<http://www.biosciencetechnology.com/ShowPR~PUBCODE~090~ACCT~9000000100~ISSUE~0503~RELTYPE~PR~ORIGRELTYPE~RLSN~PRODCODE~00000000~PRODLETT~L.html>

Subcategory: Lab-on-a-chip/ DNA Chips/

Multi-Sample Microarrays Sequence Stem Cells

Bioscience Technology

30-Mar-05

Researchers are using a new microarray technology, enable whole-genome profiling of multiple samples on the same microarray, to perform gene expression profiling on human embryonic stem cells to learn how the cells differentiate into other cell types.

<http://www.biosciencetechnology.com/ShowPR~PUBCODE~090~ACCT~9000000100~ISSUE~0503~RELTYPE~PR~ORIGRELTYPE~RLSN~PRODCODE~00000000~PRODLETT~W.html>

Critical Biomarkers Revealed Through Novel Expression Profiling of

Pharmaceutical Discovery

31-Mar-05

The expression levels of all known miRNAs can be evaluated using a proprietary microarray detection system. These high-throughput analysis tools are critical to identifying miRNA function both in normal tissues and during tumorigenesis

<http://www.pharmagenomicsonline.com/pharmagenomics/article/articleDetail.jsp?id=154153>

Subcategory: Oncology

US Genome Project Planned to Beat Cancer

News Medical

28-Mar-05

Discusses plan to compile a complete catalogue of the genetic abnormalities that characterize cancer. It would seek to determine the DNA sequence of thousands of tumour samples, looking for mutations that give rise to cancer or sustain it.

<http://www.news-medical.net/?id=8748>

THERAPEUTIC CATEGORY

Subcategory: Nephrology/ Urology

Duke Researchers Uncover Genetic Link to Kidney Damage after Heart

EurekAlert!

01-Mar-05

Researchers have found that specific variants of genes involved in inflammation and blood vessel constriction are strongly associated with kidney damage in patients undergoing major heart surgery.

http://www.eurekalert.org/pub_releases/2005-03/dumc-dru022105.php

Subcategory: Oncology

Biomarker Study Can Save Iressa

Bioscience Technology

07-Mar-05

Discusses project marking the first time technology to find cancer biomarkers that apply to Iressa (gefitinib) is being applied to an approved drug. The data may save the drug from being pulled off the

<http://www.biosciencetechnology.com/ShowPR~PUBCODE~090~ACCT~9000000100~ISSUE~0503~RELTYPE~PR~ORIGRELTYPE~RLSN~PRODCODE~00000000~PRODLETT~E.html> market.

Antioxidant Blood Levels Key to MnSOD Gene

EurekaAlert!

15-Mar-05

Greater levels of selenium, vitamin E and the tomato nutrient lycopene have been shown to reduce prostate cancer in one out of every four Caucasian males: those who inherit a specific genetic variation that's particularly sensitive to oxidative stress.

http://www.eurekaalert.org/pub_releases/2005-03/aafc-abl031405.php

Two Vitamin E Forms Appear to Reduce Prostate Cancer Risk

Nutra Ingredients

02-Mar-05

High blood levels of either alpha-tocopherol or gamma-tocopherol, both forms of vitamin E, appeared to halve the risk of prostate cancer. Further research is needed to clarify whether taking supplements can offer the same level of protection.

<http://www.nutraingredients.com/news/news-ng.asp?n=58477-two-vitamin-e>

UNCLASSIFIED BIO-IT WORLD

Nano Poised for Liftoff

NANOBIOTECH · First 'nano' technologies yield fruit in the lab and clinic with the promise of more to come

Salvatore Salamone

Bio-IT World

08-Mar-05

http://www.bioitworld.com/archive/030805/st_nano.html

Evolution of New Genes Studied

Kevin Davies

Bio-IT World

08-Mar-05

http://www.bioitworld.com/archive/030805/itin_mining.html

J&J Teams with United Devices for Global Grid

Salvatore Salmone

Bio-IT World

08-Mar-05

http://www.bioitworld.com/archive/030805/itin_grid.html

Biomarkers: Trends and Potential

Companies are centralizing biomarker research to help reduce

Patricia Reilly Bio-IT World 08-Mar-05

http://www.bioitworld.com/archive/030805/bs_insights.html

What's New at Big Blue? The Scale of Computing Has Improved Dramatically in the Life Sciences.

Michael A. Greeley Bio-IT World 08-Mar-05

http://www.bioitworld.com/archive/030805/bs_ventured.html

DNA Chips Reveal Gene Activity

Kevin Davies Bio-IT World 08-Mar-05

http://www.bioitworld.com/archive/030805/st_lab.html

Debating Business Models for Bioinformatics Companies

John Russell Bio-IT World 08-Mar-05

http://www.bioitworld.com/archive/030805/bs_strategy.html

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