



BioTechCircle News®

November, 2004

Quote of the month:

”A diet rich in alpha-linolenic acid from walnuts, walnut oil and flaxseed oil not only lowered bad cholesterol but also decreased markers for blood vessel inflammation in men and women at risk of heart disease.”

<http://www.nutraingredients.com/news/news-ng.asp?n=55960-ala-rich-walnuts>

It is our sincere hope that this newsletter helps YOU discover intriguing new ways to improve your health while reviewing the wealth of highly-readable information on new developments in the world of biotech.

In this articles section: links to 80 free Web articles in 11 major categories.

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.

This month, we've added a new category, Personalized Medicine, as important advances are being made in this area.

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
Clinical Trials (4 articles) – Page 2
Contract Services (3 articles) – Page 3

successfully is critical. Shows how to lay the groundwork for excellence.

<http://www.actmagazine.com/appliedclinicaltrials/article/articleDetail.jsp?id=131505>

Subcategory: Subject Enrollment/Management

More Than Just Fun and Games?

Jeffrey S. Brady Applied Clinical Trials 01-Nov-04

Looks at the challenges of obtaining informed consent by parents for pediatric clinical trial recruitment.

<http://www.actmagazine.com/appliedclinicaltrials/article/articleDetail.jsp?id=131503&&page1>

The Self-Deception Syndrome

Mark Hochhauser Applied Clinical Trials 01-Nov-04

Reports evidence that some who say they would be a trial subject really don't feel that way.

<http://www.actmagazine.com/appliedclinicaltrials/article/articleDetail.jsp?id=131504>

A Skillful Mix of Marketing and Management Savvy Together with Scientific Expertise Makes a Recruitment Campaign Sing.

Donna Beasley Applied Clinical Trials 01-Nov-04

Explains a five-step process for a subject recruitment campaign that includes subject profiling, market segmentation, marketing communications planning, centralized pre-screening, and trial

<http://www.actmagazine.com/appliedclinicaltrials/article/articleDetail.jsp?id=129272>

CONTRACT SERVICES

Subcategory: Project Management

Technology Transfer: A Contract Manufacturer's Perspective

George Koch, Ph.D., et. Al. BioPharm International 01-Sep-04

Meticulous planning and execution are necessary to ensure a seamless transition of processes between partners.

<http://www.biopharm-mag.com/biopharm/article/articleDetail.jsp?id=124662>

Managing Quality While Outsourcing

Marc Puich, et.al. BioPharm International 01-Sep-04

Discusses outsourcing agreements, including the actual product manufacturing and supply agreement and inclusion of a quality agreement.

<http://www.biopharm-mag.com/biopharm/article/articleDetail.jsp?id=126233>

Strategies in Bioanalytical Outsourcing

Anthony J. De Stefano, Contract Pharma 01-Oct-04
Looks at the process of outsourcing and proposes a structured approach that can help manage the risks..
<http://www.contractpharma.com/1004bioanalytical.pdf>

DRUG DELIVERY

Subcategory: Cell Therapy

Engineered Stem Cells Can Home In on Tumors and Deliver Drug Payload in Mice

University of Texas 03-Nov-04

Researchers have perfected a delivery system for anticancer treatment that zeroes in on a tumor and becomes part of its supporting tissue, pumping drugs directly into cancer cells to disable them, but leaving normal tissue alone.

<http://www.mdanderson.org/departments/newsroom/display.cfm?id=4AD854D3-820E-46DD-BB60E3EDAD5A3CDC&method=displayFull&pn=00c8a30f-c468-11d4-80fb00508b603a14>

Subcategory: Intravesical

Alnylam Overcomes Delivery Problem with RNAi

Pharmaceutical Industry 17-Nov-04

Systemic delivery through the bloodstream potentially enables RNAi therapeutics to target virtually any gene involved in the cause of human disease, opening up the prospect for broad application of RNAi therapeutics to treat a wide range of diseases.

<http://www.inpharma.com/news/news-ng.asp?id=56152-alnylam-overcomes-delivery>

Subcategory: Miscellaneous

Tiny Sensor Makes Drug Pumps Safer

Pharmaceutical Industry 08-Nov-04

A tiny pressure sensor already sold in the automotive industry could improve the efficacy of pumps used to deliver drugs from implanted reservoirs, according to scientist.

<http://www.inpharma.com/news/news-ng.asp?id=55931-tiny-sensor-makes>

NOVEL APPLICATIONS

Subcategory: Environment

Yellowstone Microbe Cleans Up Wastewater

drugs that are pumped into the cancer, sparing normal tissue.

<http://www.inpharma.com/news/news-ng.asp?id=55843-stem-cells-target>

Promise of Stem Cells Amplified; New Evidence Shows Cells May Help Treat Many Disorders Including Paralysis and Brain Cancer

The Society for Neuroscience

01-Nov-04

New evidence shows that newly created neurons may provide hope for treating a wide variety of disorders. Both human embryo and adult stem cells are being investigated.

http://apu.sfn.org/content/AboutSFN1/NewsReleases/am2004_human.html

Subcategory: Drug Discovery

Discovery Toxicology Finds Out Why Good Drugs Go Bad

Linda Schultz, DVM, PhD

Drug Discovery & Development

01-Nov-04

With toxicity topping the list of reasons why drugs fail, companies are improve the predictive power of studies conducted earlier in the development cycle.

<http://www.ddmag.com/PRArchivebyIssue.aspx?RELTYPE=CEM&YEAR=2004&MONTH=1>

Is The Zebra Fish Leading Us To New Therapies?

Flanders Interuniv.

28-Oct-04

Research using zebra fish has shown for the first time that new blood vessels do not grow in random directions, but that they are guided by specific signal molecules.

<http://www.vib.be/NR/rdonlyres/5B0F98EB-4821-4343-8529-530D6DB6F11F/0/281004carmelietEN.pdf>

Subcategory: Genomics

CGH Arrays Put Out an APB on DNA Variation

Bill Schu

Genomics & Proteomics

01-Nov-04

CGH (comparative genomic hybridization) is one of the diagnostic tools taking advantage of the completed map to find new treatment pathways.

<http://www.genpromag.com/ShowPR.aspx?PUBCODE=018&ACCT=1800000100&ISSUE=0411&RELTYPE=MIC&PRODCODE=00000000&PRODLETT=AJ>

Subcategory: Geriatrics

Researchers Closing In On 'Death Clock' Gene

HealthDay

17-Nov-04

The 'death clock' gene controls the length of human telomeres. These are repeat DNA sequences that cap a chromosome. Researchers say they have located a strong candidate for the gene in a region on Chromosome

riddles of protein interactions.

<http://www.genpromag.com/ShowPR.aspx?PUBCODE=018&ACCT=1800000100&ISSUE=0411&RELTYPE=CVS&ProdCode=00000000&PRODLETT=AL>

RNA Interference Could Put Clamp on Good Genes Gone Bad

USA Today

22-Nov-04

Describes why a lab technique for silencing genes called "RNA interference" is suddenly looking good as a treatment for cancer, diabetes and other ailments.

http://www.usatoday.com/news/science/2004-11-22-rna-interference_x.htm

RESEARCH ADVANCEMENTS

Subcategory: Bioterrorism

Vet School Sequences Genome of Possible Bioterrorism Agent

Brain McPartland

Tufts University

28-Oct-04

The sequencing of Cryptosporidium's genome will help determine the underlying mechanisms of its unusual resistance to antimicrobial agents and perhaps help scientists find treatment for the parasite.

<http://www.tuftsdaily.com/vnews/display.v/ART/2004/11/09/41906e00333ea>

Subcategory: Cardiology/ Vascular Diseases

Swelling Hope for a Heart Drug

Catherine Arnst

Business Week

01-Nov-04

For millions of cardiovascular patients, inflammation -- not high cholesterol -- is their worst enemy. A new treatment may provide some relief.

http://www.businessweek.com/bwdaily/dnflash/nov2004/nf20041118_4514_db090.htm

Defective Gene in Mitochondria Linked to Heart Disease

Cheryl Simon Silver

Genome News Network

28-Oct-04

Researchers intrigued by a family whose members all have low magnesium levels may have stumbled upon a metabolic defect that leads people to develop a group of health problems, including hypertension, diabetes, and high fat levels in blood.

<http://www.genomeneetwork.org/articles/2004/10/28/heartdisease.php>

Genetic Link in Heart Valve Disease Deaths Found

HealthDay

01-Nov-04

A study has found that first-degree relatives of people who died of mitral valve disease -- siblings, parents, or children -- were 2.5 times

more likely to also die of it, suggesting that unknown genetic factors contribute to death.

<http://www.healthday.com/view.cfm?id=522069>

Research Team Discovers Possible Genetic Mechanism Behind Congenital Heart Defects

The Hospital for Sick Children

03-Nov-04

It was previously believed that all cells during development contained the same chromatin remodelling proteins that unwind DNA. However, when the function of a specific protein called Baf60c is suppressed, dramatic cardiovascular defects occur.

<http://www.sickkids.ca/mediaroom/custom/congenitalheart04.asp>

"Broken" Gene Reveals Evolution of Salt Retention and Possible Ties to Hypertension

University of Chicago

29-Oct-04

Researchers have found genetic evidence to support the sodium-retention hypothesis, a controversial 30-year-old theory that the high rate of hypertension in certain ethnic groups is caused, in part, by an inherited tendency to retain salt.

<http://www.uchospitals.edu/news/2004/20041028-salt.php>

Subcategory: Immunology/ Infectious Diseases

New Gene Link to 'Bubble Boy' Disease Found

HealthDay

15-Nov-04

A newly identified gene mutation that causes severe combined immunodeficiency (SCID), also known as "bubble boy" disease may prove important for diagnosis and therapy.

<http://www.healthday.com/view.cfm?id=522304>

The Anti-arthritic Effects Of Bee Venom: Study Reveals How Melittin In Venom Blocks Inflammation

Science Daily

09-Nov-04

Researchers conducted an investigation into the molecular mechanisms behind a component of bee venom, melittin, and its therapeutic impact on RA, a chronic, destructive inflammatory disease.

<http://www.sciencedaily.com/releases/2004/11/041108030833.htm>

Subcategory: Metabolism: Obesity, Diabetes

Emisphere Makes Progress with Oral Insulin

Pharmaceutical Industry

16-Nov-04

Reported on promising results for an oral formulation of insulin that

could do away with the need for injections in people with diabetes.

<http://www.inpharma.com/news/news-ng.asp?id=56085-emisphere-makes-progress>

Subcategory: Misc. Drugs

Gastric-State-Controlled Bioequivalence Studies

Nasir M. Idkaidek, Ph.D. BioPharm International 01-Oct-04

Defines bioequivalence and reports study showing that fasting and then drinking 200 mL water one hour before taking antibiotic tablets may reduce variability caused by the gastric system.

<http://www.biopharm-mag.com/biopharm/article/articleDetail.jsp?id=132782>

Subcategory: Neurology

Deciphering a Mystery: New Research Provides Clues to the Genetic, Neurological, and Molecular Basis of Autism

Society for Neuroscience 01-Nov-04

Scientists have found that a specific gene contributes to autism and that autistic people have fewer receptors for the brain messenger acetylcholine, as well as more tightly packed columns of neurons in the cerebral cortex.

http://web.sfn.org/content/AboutSFN1/NewsReleases/am2004_autism.html

Genetic Mutations Cause Rare Form of Parkinson's

Edward R. Winstead Genome News Network 28-Oct-04

Scientists have identified a genetic mutation that causes a rare inherited form of Parkinson's disease in some families.

<http://www.genomenewsnetwork.org/articles/2004/10/28/parkinsons.php>

Depression May Alter Genes that Protect Neurons

Edward R. Winstead Genome News Network 15-Oct-04

Researchers have identified a family of genes that is consistently less active in the brains of depressed individuals compared to mentally healthy men and women.

<http://www.genomenewsnetwork.org/articles/2004/10/15/neurons.php>

Mouse Study Says Down Syndrome Is Genetically Complex

Cheryl Simon Silver Genome News Network 28-Oct-04

Based on mouse studies, researchers suggest that the genetics of Down syndrome are more complex and less well understood than some may have assumed.

<http://www.genomenewsnetwork.org/articles/2004/10/28/downsyndrom.php>

Genes May Give Some a Taste for Alcohol

HealthDay

15-Nov-04

Researchers have concluded that both genotype and bitter taste perception make independent and overlapping contributions to taste when a person drinks alcohol.

<http://www.healthday.com/view.cfm?id=522254>

Nicotine Addiction Gene Identified

Ed Edelson

HealthDay

04-Nov-04

Researchers say they have identified brain cell receptors that appear to be responsible for nicotine addiction. Because of the complexity of the system, researchers estimate that a treatment could be developed in "between five and 20 years."

<http://www.healthday.com/view.cfm?id=522146>

Enzyme Linked to Mania and Schizophrenia Impairs Higher Brain

Yale University

29-Oct-04

Reports that there is mounting evidence that excessive activity of PKC may underlie the distractibility, impaired judgment, impulsivity, and disturbed thinking seen in bipolar disorder (also known as manic depressive illness), and in schizophrenia.

<http://www.yale.edu/opa/newsr/04-10-28-01.all.html>

Subcategory: Oncology

Enzyme 'Key' to Stopping Cancer

BBC News

28-Nov-04

Blocking a specific enzyme, urokinase plasminogen activator, could be enough to check the spread of cancer in the human body, researchers say.

<http://news.bbc.co.uk/1/hi/health/4036451.stm>

A Fight about the Toughest Microbe on Earth

Kate Ruder

Genome News Network

15-Oct-04

A microbe that can withstand thousands of times more radiation than a person can and still survive could be used to design better drugs or clean up the environment.

<http://www.genomenewsnetwork.org/articles/2004/10/15/radiodurans.php>

Genetic Interplay Controls Prostate Cancer Growth

HealthDay

23-Nov-04

A complex interplay between three different genes may determine how prostate cancer will progress, a new mouse study finds.

<http://www.healthday.com/view.cfm?id=522464>

Risks Outlined for Women With Breast Cancer Gene

Ed Edelson

HealthDay

22-Nov-04

For women with breast cancer who carry a cancer-causing gene and treated with breast-conservation therapy, the risk that cancer will occur in that breast is no higher than for women not carrying that gene. The risk of cancer in other breast is higher.

<http://www.healthday.com/view.cfm?id=522435>

Breast Cancer Genes Tied to Other Malignancies

HealthDay

15-Nov-04

Data on nearly a million families suggest that mutations in BRCA1 and BRCA2 genes, which are strongly linked to some breast cancers, may also confer a slight increase in risk for pancreatic, prostate and stomach cancers.

<http://www.healthday.com/view.cfm?id=522357>

Stem Cells That Fuel Brain Cancer Found

HealthDay

17-Nov-04

Reports a way of discriminating within a tumor those cells that perpetuate the tumor from those which just basically take up space. If they could be targeted with a drug, the cells might hold the key to successful treatment.

<http://www.healthday.com/view.cfm?id=522412>

New Gene Biomarkers Discovered for PCA

InPharm.com

09-Nov-04

A new set of genetic biomarkers related to prostate cancer (PCA) has been discovered. This newly discovered gene set is expected to lead to considerable improvement in the diagnosis and treatment of clinically significant PCA.

http://www.inpharm.com/External/InpH/1,2580,1-4-0-0-inp_intelligence_news-0-

New Gene Target Found for Common Brain Tumors in Children

Johns Hopkins Medicine

10-Nov-04

Scientists have linked a stem-cell gene to a portion of one of the most common childhood brain cancers, opening the door to tailored therapies that block the gene's tumor-promoting ability.

http://www.hopkinsmedicine.org/Press_releases/2004/11_11_04.html

New Protein Identified in Development of Lung Cancer

Ohio State University

16-Nov-04

A newly-identified protein that can flag an important tumor suppressor gene for destruction, Pirh2, may be a key player in the development of lung cancer.

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

Stem Cells' Repair Skills Might Be Link To Cancer

Science Daily

24-Nov-04

Researchers say there is growing evidence that stem cells gone awry in their efforts to repair tissue damage could help explain why long-term irritation, such as from alcohol or heartburn, can create a breeding ground for certain cancers.

<http://www.sciencedaily.com/releases/2004/11/041123153245.htm>

New Protein Associated With Aggressiveness in Breast and Ovarian

University of Texas

25-

Oct-04

Researchers report tumor cells that “overexpress” the protein Rab25 are more aggressive and associated with poorer outcome. Thus, Rab25 could represent a novel therapeutic target or marker of tumor behavior.

<http://www.mdanderson.org/departments/newsroom/display.cfm?id=0867201E-9DA6-477D->

UW Licenses Potential Cancer Treatment Derived from Ancient Chinese Folk Remedy

Rob Harrill

University of Washington

14-Oct-04

A group of promising cancer-fighting compounds derived from artemisinin, found in the wormwood plant and used throughout Asia since ancient times to treat malaria, will be developed for potential use in humans.

<http://www.uwnews.org/article.asp?articleID=5826>

Study Hints at Possible Allergy-Cancer Link

Jennifer Warner

WebMD

03-Nov-04

Research shows that people who report hives and asthma are about twice as likely to develop leukemia. Childhood eczema appears to double the risk of non-Hodgkin's lymphoma.

http://my.webmd.com/content/article/96/103759.htm?z=1728_00000_1000_nd_01

Genetic Basis for Colorectal Cancer Found

Miranda Hitti

WebMd

02-Nov-04

Mutations on a certain gene may raise the risk of colorectal cancer, which could partially explain why the disease runs in some families, according to a new study.

http://my.webmd.com/content/article/96/103747.htm?z=1728_00000_1000_nb_06

Subcategory: Ophthalmology

UK Researchers Discover New Blindness Gene

CORDIS RTD-NEWS

04-Nov-04

The discovery of a new blindness gene will enable an early diagnosis of diseases that affect the light-sensitive part of the eye.

http://dbs.cordis.lu/cgi-bin/srchidadb?CALLER=NHP_EN_NEWS&ACTION=D&SESSION=&RCN=EN_RCN_ID:22

Blind' Cells See The Light; Maybe Someday Humans Will, Too

Science Daily

22-Nov-04

Scientists have given "blind" nerve cells the ability to detect light, paving the way for an innovative therapy that could restore sight to those who have lost it through disease.

<http://www.sciencedaily.com/releases/2004/11/041121215400.htm>

Subcategory: Pulmonary/ Respiratory Diseases

Gene Found to Defend Against Environmental Pollutants and Pulmonary Emphysema

Johns Hopkins Medicine

01-Nov-04

Reports research findings that may provide a better understanding of the human body's defense mechanisms and could lead to the identification of what factors make some people more susceptible to lung disease.

http://www.jhsph.edu/PublicHealthNews/Press_Releases/PR_2004/Biswal_Nrf2.html

RESEARCH TOOLS

Subcategory: Biomarker

Lupus Biomarkers Identified

HealthDay

04-Nov-04

Protein biomarkers that could lead to earlier and more accurate diagnosis of the autoimmune disease lupus have been identified by researchers.

<http://www.healthday.com/view.cfm?id=522107>

Subcategory: Genome Sequence

Fewer Genes in "Finished" Human Genome Sequence

Edward R. Winstead

Genome News Network

28-Oct-04

There are some regions of the human genome that cannot be sequenced using current methods, so it's likely that in 2010 there may be news

stories about the completion of the human genome.

<http://www.genomenewsnetwork.org/articles/2004/10/28/fewerhumangenes.php>

Subcategory: Imaging

Imaging Gives Pharma Researchers a View to a Pill

Gina Shaw Drug Discover & 01-Nov-04

With thousands of possible drug targets at the molecular level already identified by basic scientists, and many more in the pipeline, tools for diagnostic imaging have moved to drug development.

<http://www.ddmag.com/PRArchivebyIssue.aspx?RELTYPE=CEL&YEAR=2004&MONTH>

=1

Solving Neuron Death in Huntington's

Elizabeth Tolchin Genomics & Proteomics 01-Nov-04

By using a unique robotic microscope system, researchers were able to dispel a popular misconception regarding the cause and effect of the neurodegeneration associated with Huntington's disease and other neurodegenerative diseases.

<http://www.genpromag.com/ShowPR.aspx?PUBCODE=018&ACCT=1800000100&ISSUE=0411&RELTYPE=GPW&PRODCODE=00000000&PRODLETT=AP>

Subcategory: Miscellaneous

Follow the Pathway to Increased ROI

Zachary Zimmerman Bio-IT World 01-Nov-04

Discusses applications and benefits of pathways analysis. Highlights use during target identification and validation, during preclinical studies and, in particular, in choosing the appropriate animal model, comparing a drug with that of a competitor.

<http://www.bioitworld.com/archive/101404/insights.html>

Not-So-Cool DNA Storage

Mark D. Uehling Bio-IT World 01-Nov-04

Reports on a new microarray technology: 6mm discs of absorbent paper that stores genetic material at room temperature. The dry DNA samples pose no biohazard and can languish within the shipping process indefinitely with no degradation.

http://www.bioitworld.com/archive/101404/st_cool.html

Researchers Are Using a Variety of Methods to Isolate Specific Cell

Randall C. Willis Modern Drug Discovery 01-Nov-04

Reviews the variety of methods researchers are using to isolate specific cell types, including flow cytometry and microchips.

http://pubs.acs.org/subscribe/journals/mdd/v07/i11/html/1104feature_willis.html

Subcategory: Neurology

NIDA Researchers Develop New Genetic Strain of Mice To Study

National Institute On Drug Abuse

08-Nov-04

A 'knock-in' mouse has been developed to accentuate response to nicotine by making a hypersensitive nicotinic acetylcholine receptor that would emphasize the pleasure pathway, allowing researchers to study behaviors leading to abuse and addiction.

<http://www.drugabuse.gov/Newsroom/04/NR11-8.html>

Subcategory: Personalized Medicine

Converting Protein Data into Knowledge for Discovery

Bernard Tulsi

Genomics & Proteomics

01-Nov-04

Computational tools mine protein interaction databases to generate new chemical targets, speeding up protein discovery. Standards are being developed to facilitate the mining of patient data, potentially leading to personalized medicine.

<http://www.genpromag.com/ShowPR.aspx?PUBCODE=018&ACCT=1800000100&ISSUE=0411&RELTYPE=CB&PRODCODE=00000000&PRODLETT=AK>

STRATEGIC RELATIONSHIPS

Subcategory: Collaboration

Emerson, GE Link up on ProteinPurification

Pharmaceutical Industry

04-Nov-04

Emerson Process Management has formed an alliance with GE Healthcare aimed at providing faster, simpler and more cost-efficient solutions for protein purification - the most critical operation in manufacturing of biotech medicines.

<http://www.inpharma.com/news/news-ng.asp?id=55865-emerson-ge-link>

THERAPEUTIC CATEGORY

Subcategory: Cardiology/ Vascular Diseases

Drug Combo Cuts Heart Disease Death Rate in Blacks

Amanda Gardner

HealthDay

08-Nov-04

A specific combination of drugs produced such encouraging results in blacks with heart disease, reducing deaths by 43%, that the trial was

halted early so all the participants could take advantage of the therapy.
<http://www.healthday.com/view.cfm?id=522232>

ALA-rich Walnuts Reduce Inflammation, Shows Small Study

Nutra Ingredients

09-Nov-04

A diet rich in alpha-linolenic acid from walnuts, walnut oil and flaxseed oil not only lowered bad cholesterol but also decreased markers for blood vessel inflammation in men and women at risk of heart disease.

<http://www.nutraingredients.com/news/news-ng.asp?n=55960-ala-rich-walnuts>

Subcategory: Disease Prevention

Fruit's Anti-cancer Effect 'Overstated'

Nutra Ingredients

03-Nov-04

Increased fruit and vegetable consumption is associated with a decreased risk of cardiovascular disease but not cancer, according to a new study.

<http://www.nutraingredients.com/news/news-ng.asp?n=55818-fruit-s-anti>

Subcategory: Gastroenterology

Random Gene Activation Helps Ulcer Bug Escape Immune System

Science Daily

23-Nov-04

The bacterium that causes ulcers and contributes to stomach cancers uses a clever interaction between two genes to randomly tighten and loosen its grip on the stomach, according to a study.

<http://www.sciencedaily.com/releases/2004/11/041122100101.htm>

Subcategory: Immunology/ Infectious Diseases

Mayo Clinic Researchers Discover One Mechanism for Why Men and Women Differ in Immune Response

Mayo Clinic

06-Nov-04

Decreasing testosterone boosts immunity because testosterone helps control T-lymphocytes, the attack cells of the immune system, according to researchers.

<http://www.mayoclinic.org/news2004-rst/2499.html>

Subcategory: Neurology

Humans May Get Different Forms of BSE

New Scientist

11-Nov-04

Humans are likely to catch more than one form of mad cow disease, but some people may have a genetic make-up that protects them against the disease.

<http://www.newscientist.com/news/news.jsp?id=ns99996660>

Subcategory: Oncology

Lung Cancer Vaccine Targets Tumor's Root

Charlene Laino

WebMd

01-Nov-04

A novel non small cell lung cancer vaccine that stimulates the immune system to attack tumor cells is helping people with lung cancer live longer, researchers say.

http://my.webmd.com/content/article/96/103726.htm?z=1728_00000_1000_nd_03

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