

Aneuploidy

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Aneuploidy is a change in the number of chromosomes that can lead to a chromosomal abnormality. In humans, in every cell of our bodies, we typically will have 46 chromosomes. The only exception to this is that our egg and sperm cells will only have half the number of chromosomes. The 46 chromosomes can be arranged into 23 pairs. From each pair, we typically will inherit one chromosome from our mother and one from our father. The first 22 pairs of chromosomes are referred to as autosomes, or body chromosomes. They are numbered from 1 through 22 from largest to smallest. The last pair of chromosomes are the sex chromosomes. Females will typically have two X chromosomes, while males will typically have one X chromosome and one Y chromosome. The most common form of aneuploidy is Down syndrome, which is caused by an extra copy of chromosome number 21. ([From the Wikipedia article Aneuploidy](#) .)

Recent Publications on Aneuploidy:



- [DNA Replication Licensing Factors and Aneuploidy Are Linked to Tumor Cell Cycle State and Clinical Outcome in Penile Carcinoma.](#)
PURPOSE: The DNA replication licensing machinery is integral to the...19th November, 2009
Authors' Affiliations: Departments of Pathology and Statistical Science- Clin Cancer Res. 2009 Nov 17. ([DOI Direct Link](#))
- [Influence of maternal BMI on genetic sonography in the FaSTER trial.](#)
OBJECTIVE: We sought to evaluate the influence of maternal body mass index...18th November, 2009
University of Utah, Salt Lake City, UT, USA.- Prenat Diagn. 2009 Nov 16. ([DOI Direct Link](#))
- [Histone H3 Exerts Key Function in Mitotic Checkpoint Control.](#)
*It has been firmly established that many interphase nuclear functions...*18th November, 2009
Department of Biochemistry and Molecular Biology, and Programs in Genetics- Mol Cell Biol. 2009 Nov 16. ([DOI Direct Link](#))
- [A case of 48,XXYY syndrome detected prenatally by QF-PCR.](#)
*We report on the prenatal diagnosis and genetic analysis of a 48,XXYY...*18th November, 2009
Prenatal Diagnostic Center, Guangzhou Maternal and Neonatal Hospital,- J Matern Fetal Neonatal Med. 2009 Dec;22(12):1214-6.
- [Screening for fetal aneuploidy and neural tube defects.](#)
*Maternal serum screening for neural tube defects and fetal aneuploidy in...*17th November, 2009
University of Pennsylvania Medical Center, Philadelphia, PA 19104, USA.- Genet Med. 2009 Nov;11(11):818-21. ([DOI Direct Link](#))
- [Non-informative results and monosomies in PGD: the importance of a third round of re-hybridization.](#)
*The incidence of non-informative results after fluorescence in-situ...*17th November, 2009
IVF Centres Prof. Zech, Pilsen, Czech Republic.- Reprod Biomed Online. 2009 Oct;19(4):539-46.
- [Increased efficiency of preimplantation genetic diagnosis for aneuploidy by testing 12 chromosomes.](#)

One of the most important factors in increasing the screening potential of... 17th November, 2009
Reprogenetics LLC, 3 Regent Street, Suite 301, Livingston, NJ 07039, USA.- *Reprod Biomed Online*.
2009 Oct;19(4):532-8.

- [Vitrification of biopsied embryos at cleavage, morula and blastocyst stage.](#)
This study investigated the effect of vitrification on biopsied embryos at... 17th November, 2009
Pedios IVF- *Reprod Biomed Online*. 2009 Oct;19(4):526-31.
- [Metaphase II karyoplast transfer from human in-vitro matured oocytes to enucleated mature oocytes.](#)
Metaphase II karyoplast transfer is believed to be a useful method to... 17th November, 2009
Saint Mother Obstetrics and Gynecology Clinic and Institute for ART,- *Reprod Biomed Online*. 2009
Oct;19(4):514-20.
- [Modeling interactions between leukemia-specific chromosomal changes, somatic mutations, and gene expression patterns during progression of core-binding factor leukemias.](#)
In cancer genomes, changes observed during tumor progression can be... 13th November, 2009
Department of Hematopathology, The University of Texas M. D. Anderson- *Genes Chromosomes
Cancer*. 2009 Nov 11. ([DOI Direct Link](#))
- [Human embryo culture and assessment for the derivation of embryonic stem cells \(ESC\).](#)
The culture and critical assessment of early human embryos during the... 13th November, 2009
Monash Immunology and Stem Cell Laboratories Faculty of Medicine and- *Methods Mol Biol*.
2010;584:1-20. ([DOI Direct Link](#))
- [Spontaneous Aneuploidy and Clone Formation in Adipose Tissue Stem Cells during Different Periods of Culturing.](#)
Cytogenetic analysis of 13 mesenchymal stem cell cultures isolated from... 11th November, 2009
I. M. Sechenov Moscow Medical Academy; Medical Genetic Center, Russian- *Bull Exp Biol Med*. 2009
Jul;148(1):109-12.
- [Flow immunocytochemistry of marker expression in cells from body cavity fluids.](#)
Diagnostic cytology based on the examination of cells from body cavity... 10th November, 2009
Department of Pathology, University of Miami Miller School of Medicine,- *Cytometry A*. 2009 Nov 6. (
[DOI Direct Link](#))
- [Cytogenetic analysis of human embryos and embryonic stem cells derived from monopronuclear zygotes.](#)
PURPOSE: By comparing the chromosomal constitution among the arrested... 7th November, 2009
Institute of Reproductive and Stem Cell Engineering, Central South- *J Assist Reprod Genet*. 2009 Nov
6. ([DOI Direct Link](#))
- [Learning about cancer from frogs: analysis of mitotic spindles in Xenopus egg extracts.](#)
The mitotic spindle is responsible for correctly segregating chromosomes... 7th November, 2009
Department of Cell Biology and.- *Dis Model Mech*. 2009 Nov-Dec;2(11-12):541-7. ([DOI Direct Link](#))

BioNews Results for Aneuploidy

- [Ki67 and p53 overexpression predict neoplastic progression in BE](#)
MedWire News: Nov 16 2009 3:21AM Matching: aneuploidy
- [Gene Security Network Reduces Price for 24 Chromosome Aneuploidy Screening with Parental Support](#)
Individual.com: Oct 23 2009 4:09AM Matching: aneuploidy
- [Substantial price reduction for 24 Chromosome Aneuploidy Screening](#)
News-Medical.Net: Oct 20 2009 6:09AM Matching: aneuploidy
- [CORRECTING and REPLACING HRC Fertility Offers Gene Security Parental Control for Embryonic Safety](#)
Genetic Engineering News: Oct 20 2009 4:20PM Matching: aneuploidy
- [CORRECTING and REPLACING HRC Fertility Offers Gene Security Parental Control for Embryonic](#)

Safety

Street Insider: Oct 20 2009 3:37PM Matching: aneuploidy

- [Gene Security Network Announces Price Reduction for 24 Chromosome Aneuploidy Screening with Parental SupportTM](#)

Earthtimes.org: Oct 19 2009 11:22AM Matching: aneuploidy

- [Gene Security Network Announces Price Reduction for 24 Chromosome Aneuploidy Screening with Parental SupportTM](#)

FinanzNachrichten.de: Oct 19 2009 11:18AM Matching: aneuploidy

- [Gene Security Network Announces Price Reduction for 24 Chromosome Aneuploidy Screening with Parental Support\(TM\)](#)

Individual.com: Oct 19 2009 11:08AM Matching: aneuploidy

- [Gene Security Network Announces Price Reduction for 24 Chromosome Aneuploidy Screening with Parental Support\(TM\)](#)

Individual.com: Oct 19 2009 11:07AM Matching: aneuploidy

- [Shady Grove Fertility Center Research to Be Showcased at Premier Annual Medical Conference on Reproductive Med](#)

TickerTech.com: Oct 15 2009 5:06PM Matching: aneuploidy

- [Shady Grove Fertility Center Research to Be Showcased at Premier Annual Medical Conference on Reprod](#)

Interest!ALERT: Oct 15 2009 4:30PM Matching: aneuploidy

Aneuploidy Clinical Trials:



- [Aneuploidies and Different Stimulation Protocols](#)

Aneuploidy Patents:



- 7541514- [Methods for producing apomictic plants](#)
- 7563567- [Use of ECIST microarrays in an integrated method for assessing DNA methylation, gene expression and histone acetylation](#)
- 7563568- [Method for detecting activated CD3+ T-cells](#)
- 7563620- [Cell aggregate correction method](#)
- 7563787- [Substituted pyrazole compounds](#)
- 7563867- [PRO4356 polypeptides](#)
- 7569373- [Method for counting megakaryocytes](#)
- 7569387- [Antibody to TNF receptor-like molecules](#)
- 7569670- [Cytokine zalpha11 ligand fusion proteins](#)

- [7572784- Compounds and methods for inhibiting mitotic progression](#)
- [7572809- Isoquinoline aminopyrazole derivatives](#)
- [7563438- FGF homologs and antibodies thereto](#)
- [7560467- Indazolo-tetrahydropyrimidine-carboxamide derivative kinase inhibitors](#)
- [7550573- Secreted and transmembrane polypeptides and nucleic acids encoding the same](#)
- [7553623- Method for detecting human papillomavirus mRNA](#)
- [7553815- Therapeutic use](#)
- [7553821- Methods for selectively modulating survivin apoptosis pathways](#)
- [7553948- Nucleotide and amino acid sequences, and assays and methods of use thereof for diagnosis of ovarian cancer](#)
- [7556929- Compositions and methods for screening anti-cancer agents in yeast](#)
- [7557070- Multiplexed cell analysis system](#)
- [7557106- Substituted pyrimidines useful as protein kinase inhibitors](#)
- [7557187- Purified SR-p70 protein](#)
- [7560437- Nucleic acid compositions for eliciting an immune response against telomerase reverse transcriptase](#)
- [7572892- Cytokine zalpha11 ligand fusion proteins](#)
- [7579441- Cytokine zalpha11 ligand fusion proteins](#)
- [7608452- Polynucleotides encoding cytokine receptor zcytor19](#)
- [7608686- Human tumor necrosis factor receptor](#)
- [7611699- Methods of using cytokine zalpha11 ligand](#)
- [7612191- Polynucleotides encoding interleukin-17 receptor homologue](#)
- [7615531- Methods of reducing the likelihood of spontaneous abortion](#)
- [7615544- Method of improving cumulative embryo score and quantity of fertilized oocytes, increasing euploidy rate and of normalizing ovarian function using an androgen such as dehydroepiandrosterone](#)
- [7615611- Human cytokine receptor](#)
- [7615627- RNA interference mediated inhibition of aurorakinase B and its combinations as anticancer therapy](#)
- [7618791- Methods of detecting cancer with antibodies to cytokine receptor ZCYTOR19](#)
- [7618939- Compositions and methods to prevent cancer with cupredoxins](#)
- [7608426- Polynucleotides encoding mammalian cytokine-like factor 7](#)
- [7605266- Azaindole inhibitors of Aurora kinases](#)
- [7585622- Increasing the proliferative capacity of cells using telomerase reverse transcriptase](#)
- [7586022- Transgenic non-human animal model of lung tumorigenesis](#)
- [7592146- Protocol for detecting proteins in a culture containing an embryo](#)
- [7592425- Cytokine zalpha11 ligand fusion proteins](#)
- [7598060- Rapid analysis of variations in a genome](#)
- [7601127- Therapeutic stimulation of genital tissue or reproductive organ of an infertility or impotence diagnosed patient](#)
- [7601521- Detection of nucleic acid mutation associated with cancer by analysis of saliva](#)
- [7601532- Microarray for predicting the prognosis of neuroblastoma and method for predicting the prognosis of neuroblastoma](#)
- [7601809- Cytokine receptor zcytor19](#)
- [7601830- Polynucleotide encoding mammalian cytokine-like polypeptide-10](#)
- [7619071- Antibodies that bind interleukin-17 receptor homologue](#)

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