

# Chromosome Banding

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## Recent Publications on Chromosome Banding:



- [Characterization of a 5.8-Mb interstitial deletion of chromosome 3p in a girl with 46,XX,inv\(7\)dn karyotype and phenotypic abnormalities.](#)  
*Interstitial deletions of the short arm of chromosome 3 are rare, and a...*10th November, 2009  
Servei de Bioquímica i Genètica Molecular, Hospital Clinic, Barcelona,- Cytogenet Genome Res. 2009;125(4):334-40. Epub 2009 Oct 27. ([DOI Direct Link](#))
- [Centromeric alpha-satellite DNA break in reciprocal translocations.](#)  
*In the process of selecting fluorescence in situ hybridization probes to...*10th November, 2009  
Genzyme Genetics, Monrovia, CA 91016, USA.- Cytogenet Genome Res. 2009;125(4):329-33. Epub 2009 Oct 27. ([DOI Direct Link](#))
- [Sex chromosome evolution in cotton stainers of the genus Dysdercus \(Heteroptera: Pyrrhocoridae\).](#)  
*The neo-X and neo-Y sex chromosomes of Dysdercus albofasciatus represent a...*10th November, 2009  
Laboratory of Cytogenetics and Evolution, Faculty of Exact and Natural- Cytogenet Genome Res. 2009;125(4):292-305. Epub 2009 Oct 27. ([DOI Direct Link](#))
- [Characterisation of a GC-rich telomeric satellite DNA in Eumeces schneideri Daudin \(Reptilia, Scincidae\).](#)  
*A hitherto undescribed satellite DNA family (Avall satDNA) has been...*10th November, 2009  
Dipartimento di Biochimica, Biologia e Genetica, Università Politecnica- Cytogenet Genome Res. 2009;125(4):272-8. Epub 2009 Oct 27. ([DOI Direct Link](#))
- [The 450-band resolution G- and R-banded standard karyotype of the donkey \(Equus asinus, 2n = 62\).](#)  
*Donkey chromosomes were earlier characterized separately by C-, G- and...*10th November, 2009  
National Research Council (CNR), ISPAAM, Laboratory of Animal Cytogenetics- Cytogenet Genome Res. 2009;125(4):266-71. Epub 2009 Oct 27. ([DOI Direct Link](#))
- [New metacentric population of the house mouse \(Mus musculus domesticus\) found in Valchiavenna, Northern Italy.](#)  
*Although the standard karyotype of the western house mouse (Mus musculus...*10th November, 2009  
School of GeoSciences, University of Edinburgh, Edinburgh, UK.- Cytogenet Genome Res. 2009;125(4):260-5. Epub 2009 Oct 27. ([DOI Direct Link](#))
- [\[Diversity and the origin of the European population of Triticum dicoccum \(Schrank\) Schuebl. as revealed by chromosome analysis\]](#)  
*Cluster analysis of the Triticum dicoccum chromosome passports by...*10th November, 2009  
- Genetika. 2009 Sep;45(9):1234-43.
- [\[Comparison of Chironomus usenicus and Chironomus curabilis with species of the group plumosus](#)

[\(Diptera\) inferred from the mitochondrial DNA gene COI and by the polytene chromosomes banding pattern\]](#)

*The sequence of a 595-bp fragment of the mitochondrial COI gene was...*29th October, 2009

- Genetika. 2009 Aug;45(8):1029-35.

- [Hereditary gastrointestinal stromal tumors sharing the KIT Exon 17 germline mutation p.Asp820Tyr develop through different cytogenetic progression pathways.](#)  
*Hereditary gastrointestinal stromal tumor (GIST) syndrome is a rare...*23rd October, 2009  
Department of Genetics, Portuguese Oncology Institute, Porto, Portugal.- Genes Chromosomes Cancer. 2009 Oct 21. ([DOI Direct Link](#))
- [Distal trisomy of 10q with distal monosomy of 15q due to a paternal translocation.](#)  
*Distal trisomy of 10q is a rare chromosomal abnormality. Distal deletions...*23rd October, 2009  
Department of Clinical Laboratory, Shenzhen Baoan Hospital, Southern- J Int Med Res. 2009 Jul-Aug;37(4):1230-7.
- [Chronic myeloid leukemia: a prospective comparison of interphase fluorescence in situ hybridization and chromosome banding analysis for the definition of complete cytogenetic response, a study of the GIMEMA CML WP.](#)  
*In chronic myeloid leukemia (CML) different complementary methods are...*3rd October, 2009  
Department of Hematology-Oncology "L. and A. Seragnoli", University of- Blood. 2009 Oct 1. ([DOI Direct Link](#))
- [A novel cytogenetic abnormality in primary myelofibrosis.](#)  
*Distal trisomy of 10q is a rare chromosomal abnormality. Distal deletions...*26th September, 2009  
- Cancer Genet Cytogenet. 2009 Oct;194(1):65-6. ([DOI Direct Link](#))
- [Chromosome 8 pentasomy with partial tandem duplication of 11q23 in a case of de novo acute myeloid leukemia.](#)  
*Polysomy 8 is a rare abnormality, one that has been reported as associated...*26th September, 2009  
Department of Laboratory Medicine, Chungnam National University Hospital,- Cancer Genet Cytogenet. 2009 Oct;194(1):44-7. ([DOI Direct Link](#))
- [Duplication of isodicentric chromosome 21, idic\(21\)\(p11.2\), leading to pentasomy 21q in acute myeloid leukemia with multilineage dysplasia.](#)  
*Isodicentric chromosome 21, idic(21)(p11.2), is a rare but recurrent...*26th September, 2009  
Hematology/Oncology, Department of Medicine, Kobe University Graduate- Cancer Genet Cytogenet. 2009 Oct;194(1):38-43. ([DOI Direct Link](#))
- [Molecular cytogenetic study of three common Mediterranean limpets, Patella caerulea, P. rustica and P. ulyssiponensis \(Archaeogastropoda, Mollusca\).](#)  
*The present paper shows the results of chromosome banding and rDNA-FISH...*25th September, 2009  
Dipartimento di Biologia Strutturale e Funzionale, Universita di Napoli- Genetica. 2009 Sep 24. ([DOI Direct Link](#))

## Chromosome Banding Patents:



- 5948278- [System and method for enrichment of rare cell population from whole blood samples](#)
- 6175000- [Nucleic acids encoding human trithorax protein](#)
- 6203977- [Delineation of individual human chromosomes in metaphase and interphase cells by in situ suppression hybridization](#)

- 6255465- [Cross-species chromosome painting](#)
- 6270971- [Methods for detecting chromosomal aberrations using chromosome-specific paint probes](#)
- 6280929- [Method of detecting genetic translocations identified with chromosomal abnormalities](#)
- 6291181- [Nucleic acid adapters containing a type IIIs restriction site and methods of using the same](#)
- 6307035- [BRCA1 associated polynucleotide \(BAP-1\) and uses therefor](#)
- 6329198- [Production and use of human nm23 protein and antibodies therefor](#)
- 6344315- [Chromosome-specific staining to detect genetic rearrangements associated with chromosome 3 and/or chromosome 17](#)
- 6388788- [Method and apparatus for screening chemical compounds](#)
- 6159732- [Nucleic acid encoding mammalian Ubr1](#)
- 6132961- [Methods of biological dosimetry employing chromosome-specific staining](#)
- 6007994- [Multiparametric fluorescence in situ hybridization](#)
- 6025126- [Methods and compositions for the detection of chromosomal aberrations](#)
- 6025155- [Artificial chromosomes, uses thereof and methods for preparing artificial chromosomes](#)
- 6025182- [Method for producing a virus from an african green monkey kidney cell line](#)
- 6027894- [Nucleic acid adapters containing a type IIIs restriction site and methods of using the same](#)
- 6043039- [Method of and composite for in situ fluorescent hybridization](#)
- 6066459- [Method for simultaneous detection of multiple fluorophores for in situ hybridization and multicolor chromosome painting and banding](#)
- 6077697- [Artificial chromosomes, uses thereof and methods for preparing artificial chromosomes](#)
- 6087117- [Production and use of human nm23 protein and antibodies therefor](#)
- 6117667- [Method for producing an adapted virus population from an African green monkey kidney cell line](#)
- 6400487- [Method and apparatus for screening chemical compounds](#)
- 6423836- [Production and use of human nm23 protein and antibodies therefor](#)
- 7034144- [Molecular detection of chromosome aberrations](#)
- 7056673- [Preservation of RNA in a biological sample](#)
- 7083924- [Diagnostic method for the identification of foetal DNA in a material sample](#)
- 7101710- [Two-stage culture protocol for isolating mesenchymal stem cells from amniotic fluid](#)
- 7115709- [Methods of staining target chromosomal DNA employing high complexity nucleic acid probes](#)
- 7226740- [Aza-benzazolium containing cyanine dyes](#)
- 7279277- [Methods for clinical diagnosis](#)
- 7297492- [LMNA gene and its involvement in Hutchinson-Gilford Progeria Syndrome \(HGPS\) and arteriosclerosis](#)
- 7309783- [Mammalian early developmental regulator gene](#)
- 7432349- [Tumor suppressor gene, p28ING5](#)
- 6818758- [Estrogen receptor beta variants and methods of detection thereof](#)
- 6743967- [Artificial chromosomes, uses thereof and methods for preparing artificial chromosomes](#)
- 6475720- [Chromosome-specific staining to detect genetic rearrangements associated with chromosome 3 and/or chromosome 17](#)
- 6506563- [Multiparametric fluorescence in situ hybridization](#)
- 6509160- [Methods for analyzing nucleic acids using a type IIIs restriction endonuclease](#)
- 6524798- [High efficiency methods for combined immunocytochemistry and in-situ hybridization](#)
- 6548259- [Multiparametric fluorescence in situ hybridization](#)
- 6576421- [Methods and compositions for the detection of chromosomal aberrations](#)
- 6607877- [Methods and compositions for chromosome-specific staining](#)
- 6664047- [Aza-benzazolium containing cyanine dyes](#)
- 6703197- [Human methionine synthase: cloning, and methods for evaluating risk of neural tube defects, cardiovascular disease, and cancer](#)
- 6730474- [Molecular detection of chromosome aberrations](#)
- 7601498- [Methods of using dyes in association with nucleic acid staining or detection and associated technology](#)

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