

Spectral Karyotyping

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Recent Publications on Spectral Karyotyping:

- [Detailed cytogenetic and array analysis of pediatric primitive sarcomas reveals a recurrent CIC-DUX4 fusion gene event.](#)
*Pediatric undifferentiated soft tissue sarcomas (USTS) are a...*13th November, 2009
Department of Pathology and Molecular Medicine, Queen's University,- *Cancer Genet Cytogenet.* 2009 Nov;195(1):1-11. ([DOI Direct Link](#))
- [Establishment of trophoblast stem cell lines from somatic cell nuclear-transferred embryos.](#)
*Placental abnormalities occur frequently in cloned animals. Here, we...*7th November, 2009
Laboratory of Cellular Biochemistry, Animal Resource Sciences/Veterinary- *Proc Natl Acad Sci U S A.* 2009 Sep 22;106(38):16293-7. Epub 2009 Aug 24. ([DOI Direct Link](#))
- [Spectral Karyotypic and Comparative Genomic Analysis of the Endocrine Pancreatic Tumor Cell Line BON-1.](#)
*BON-1 is a human serotonin-producing endocrine pancreatic tumor (EPT) cell...*6th November, 2009
Department of Medical Sciences, Uppsala University, Uppsala, Sweden.- *Neuroendocrinology.* 2009 Oct 29. ([DOI Direct Link](#))
- [Chromosomal rearrangements after ex vivo Epstein-Barr virus \(EBV\) infection of human B cells.](#)
*The Epstein-Barr virus (EBV) is carried by more than 90% of the adult...*3rd November, 2009
Department of Physiology, Manitoba Institute of Cell Biology, University- *Oncogene.* 2009 Nov 2. ([DOI Direct Link](#))
- [Alteration of enhancer of polycomb 1 at 10p11.2 is one of the genetic events leading to development of adult T-cell leukemia/lymphoma.](#)
*Adult T-cell leukemia/lymphoma (ATLL) is a malignant tumor caused by...*3rd October, 2009
Division of Tumor and Cellular Biochemistry, Department of Medical- *Genes Chromosomes Cancer.* 2009 Sep;48(9):768-76. ([DOI Direct Link](#))
- [The chromosomal constitution of postmitotic neurons, assessed by neuronal nuclear transfer into oocytes and in ES cell lines derived from them.](#)
*Spectral karyotyping (SKY) was used to assess the chromosomal constitution...*26th September, 2009
Department of Regenerative and Developmental Biology, Mitsubishi Kagaku- *Cytogenet Genome Res.* 2009;125(3):201-12. Epub 2009 Sep 4. ([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](#))

- [Cytogenetic and cDNA microarray expression analysis of MCF10 human breast cancer progression cell lines.](#)
We used a combination of spectral karyotyping, array comparative genomic... 26th September, 2009
 Department of Biological Sciences, University at Buffalo, State University- Cancer Res. 2009 Jul 15;69(14):5946-53. Epub 2009 Jul 7. ([DOI Direct Link](#))
- [Evidence for a novel mechanism for gene amplification in multiple myeloma: 1q12 pericentromeric heterochromatin mediates breakage-fusion-bridge cycles of a 1q12 approximately 23 amplicon.](#)
Gene amplification is defined as a copy number (CN) increase in a... 12th September, 2009
 Myeloma Institute for Research and Therapy, University of Arkansas for- Br J Haematol. 2009 Nov;147(4):484-94. Epub 2009 Sep 9. ([DOI Direct Link](#))
- [Masked t\(15;17\) APL with the insertion of PML-RARalpha fusion gene in 4q21.](#)
Most cases of acute promyelocytic leukemia (APL) are characterized by the... 4th September, 2009
 Department of Digestive and Life-style Related Diseases, Human- Leuk Res. 2009 Nov;33(11):1552-5. Epub 2009 May 27. ([DOI Direct Link](#))
- [Cell type specific chromosome territory organization in the interphase nucleus of normal and cancer cells.](#)
Numerous studies indicate that the genome of higher eukaryotes is... 29th August, 2009
 Department of Biological Sciences, University at Buffalo, State University- J Cell Physiol. 2009 Oct;221(1):130-8. ([DOI Direct Link](#))
- [Integrative genomics reveals mechanisms of copy number alterations responsible for transcriptional deregulation in colorectal cancer.](#)
To evaluate the mechanisms and consequences of chromosomal aberrations in... 20th August, 2009
 Genetics Branch, Center for Cancer Research, National Cancer Institute,- Genes Chromosomes Cancer. 2009 Nov;48(11):1002-17. ([DOI Direct Link](#))
- [Cytogenetic characterization of NCI-H69 and NCI-H69AR small cell lung cancer cell lines by spectral karyotyping.](#)
Small cell lung cancer (SCLC) shows an excellent sensitivity to... 9th July, 2009
 Pathology Department, Molecular Cytogenetic Laboratory, IMAS, GRETNHE;- Cancer Genet Cytogenet. 2009 Jun;191(2):97-101. ([DOI Direct Link](#))
- [Unbalanced translocation in an adult patient with premature ovarian failure and mental retardation detected by spectral karyotyping and array-comparative genomic hybridization.](#)
BACKGROUND: There are only three cases of unbalanced translocation (X;1)... 12th June, 2009
 Department of Maternal and Fetal Medicine, The Obstetrics & Gynecology- Eur J Clin Invest. 2009 Aug;39(8):729-37. Epub 2009 Jun 5. ([DOI Direct Link](#))
- [Acquired genetic and functional alterations associated with transforming growth factor beta type I resistance in Hep3B human hepatocellular carcinoma cell line.](#)
Abstract During the neoplastic process tumor cells frequently acquire... 12th May, 2009
 Laboratory of Experimental Carcinogenesis, Center for Cancer Research,- J Cell Mol Med. 2009 May 1. ([DOI Direct Link](#))

BioNews Results for Spectral Karyotyping

- [Spectral announces third quarter 2009 results](#)
Montana's News Station: Nov 12 2009 2:16PM Matching: spectral
- [Electro-Optical Sciences to Present at Upcoming Investor Conferences](#)
Freshnews.com: Nov 12 2009 2:25AM Matching: spectral
- [Spectral changes of near-infrared spectroscopy signals in migraineurs with aura reveal an impaired carbon diox](#)
Bioscience Technology Online: Nov 11 2009 8:21PM Matching: spectral

- [LDL cholesterol and adiponectin levels linked to necrotic core-rich coronary plaque](#)
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- [Cerno Bioscience and Agilent Technologies partner](#)
Scientific Computing World: Nov 11 2009 4:14PM Matching: spectral
- [High resolution UV-visible spectrophotometer](#)
Research & Development: Nov 10 2009 10:46PM Matching: spectral
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BioFind: Nov 10 2009 6:51PM Matching: spectral
- [Medical News: Heart Health Boosted By Yoga](#)
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- [Pranalytica Wins U.S. Army Small Business Technology Transfer Program \(STTR\) Contract to Build on Powerful Qua](#)
Genetic Engineering News: Nov 10 2009 1:16PM Matching: spectral
- [Cerno Bioscience and Agilent Technologies to Co-Market MassWorks for GC/MSD](#)
Separation Science: Nov 8 2009 10:41PM Matching: spectral
- [Cerno Bioscience, Agilent Technologies to Co-Market MassWorks for GC/MSD](#)
Spectroscopy Now: Nov 8 2009 3:17AM Matching: spectral
- [Rapid supernova could be new class of exploding star](#)
Research & Development: Nov 6 2009 4:58PM Matching: spectral
- [SXC Health Solutions announces \\$50 million PBM contract with Spectral Solutions, LLC](#)
Pharmacy Choice: Nov 5 2009 2:02AM Matching: spectral
- [MALDI Profiling of Human Lung Cancer Subtypes](#)
Elites TV: Nov 5 2009 11:42PM Matching: spectral
- [CMS cuts SPECT MPI payments 36%, sets CCTA rates](#)
Aunt Minnie: Nov 5 2009 7:52AM Matching: spectral

Spectral Karyotyping Patents:



- 6423551- [Organo luminescent semiconductor nanocrystal probes for biological applications and process for making and using such probes](#)
- 6617583- [Inventory control](#)
- 6627748- [Combinatorial fluorescence energy transfer tags and their applications for multiplex genetic analyses](#)
- 6630307- [Method of detecting an analyte in a sample using semiconductor nanocrystals as a detectable label](#)
- 6656683- [Laser scanning cytology with digital image capture](#)
- 6690817- [Spectral bio-imaging data for cell classification using internal reference](#)
- 6699723- [Organo luminescent semiconductor nanocrystal probes for biological applications and process for making and using such probes](#)
- 6727065- [Methods of use of semiconductor nanocrystal probes for treating a material](#)
- 6738502- [Multispectral taxonomic identification](#)
- 6774361- [Inventory control](#)
- 6861155- [Highly luminescent color selective nanocrystalline materials](#)
- 6607888- [Method for analyzing nucleic acid reactions](#)

- 6602671- [Semiconductor nanocrystals for inventory control](#)
- 6586181- [Method for detecting allelic imbalance](#)
- 6427126- [Automatic sequencer/genotyper having extended spectral response](#)
- 6444143- [Water-soluble fluorescent nanocrystals](#)
- 6468808- [Water-soluble luminescent quantum dots and biomolecular conjugates thereof and related compositions and method of use](#)
- 6472185- [Use of selective DNA fragment amplification products for hybridization-based genetic fingerprinting, marker assisted selection, and high-throughput screening](#)
- 6506563- [Multiparametric fluorescence in situ hybridization](#)
- 6534266- [Assay of transcription sites by multi-fluor fish](#)
- 6548259- [Multiparametric fluorescence in situ hybridization](#)
- 6552794- [Optical detection method for improved sensitivity](#)
- 6556853- [Spectral bio-imaging of the eye](#)
- 6562959- [Detection of altered expression of genes regulating cell proliferation](#)
- 6905828- [Fluorescent probes for chromosome painting](#)
- 6921496- [Inorganic particle conjugates](#)
- 7297492- [LMNA gene and its involvement in Hutchinson-Gilford Progeria Syndrome \(HGPS\) and arteriosclerosis](#)
- 7300759- [Use of tramdorins in diagnostic and therapeutic methods](#)
- 7306916- [Methods for detecting chromosome aberrations](#)
- 7314764- [Organo luminescent semiconductor nanocrystal probes for biological applications and process for making and using such probes](#)
- 7348418- [Carcinoma-related genes and polypeptides and methods of use thereof](#)
- 7351529- [Methods for detecting genetic mosaicisms using arrays](#)
- 7374824- [Core-shell nanocrystallite comprising tellurium-containing nanocrystalline core and semiconductor shell](#)
- 7424368- [Methods for identifying DNA copy number changes](#)
- 7470379- [Inorganic particle conjugates](#)
- 7566476- [Highly luminescent color-selective nanocrystalline materials](#)
- 7238472- [Non-alloying core shell nanoparticles](#)
- 7214488- [Detection of MECT1-MAML2 fusion products](#)
- 7199218- [ICBP90 polypeptide and its fragments and polynucleotides coding for said polypeptides and applications for diagnosing and treating cancer](#)
- 6927069- [Organo luminescent semiconductor nanocrystal probes for biological applications and process for making and using such probes](#)
- 7011942- [Fluorescent probes for chromosomal painting](#)
- 7045292- [Method and marker for identification of pre-malignancy and malignancy and therapeutic intervention](#)
- 7060243- [Tellurium-containing nanocrystalline materials](#)
- 7101718- [Organo luminescent semiconductor nanocrystal probes for biological applications and process for making and using such probes](#)
- 7125605- [Highly luminescent color-selective nanocrystalline materials](#)
- 7135055- [Non-alloying core shell nanoparticles](#)
- 7147687- [Non-alloying core shell nanoparticles](#)
- 7157570- [Human ribonucleotide reductase M2 subunit](#)
- 7192785- [Water-soluble luminescent quantum dots and biomolecular conjugates thereof and related compositions and methods of use](#)
- 7588767- [Microorganisms for therapy](#)

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