

# Bloom Syndrome

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## Recent Publications on Bloom Syndrome:



- [Bloom DNA helicase facilitates homologous recombination between diverged homologous sequences.](#)  
*Bloom syndrome caused by inactivation of the Bloom DNA helicase (Blm) is...*7th November, 2009  
Department of Radiation Genetics, Graduate School of Medicine, Kyoto- J Biol Chem. 2009 Sep 25;284(39):26360-7. Epub 2009 Aug 5. ([DOI Direct Link](#))
- [Bloom syndrome helicase stimulates RAD51 DNA strand exchange activity through a novel mechanism.](#)  
*Loss or inactivation of BLM, a helicase of the RecQ family, causes Bloom...*7th November, 2009  
Department of Biochemistry and Molecular Biology, Drexel University- J Biol Chem. 2009 Sep 25;284(39):26349-59. Epub 2009 Jul 24. ([DOI Direct Link](#))
- [ACOG Committee Opinion No. 442: Preconception and prenatal carrier screening for genetic diseases in individuals of Eastern European Jewish descent.](#)  
*Certain autosomal recessive disease conditions are more prevalent in...*6th November, 2009  
- Obstet Gynecol. 2009 Oct;114(4):950-3. ([DOI Direct Link](#))
- [Progeroid syndromes and UV-induced oxidative DNA damage.](#)  
*Progeroid syndromes are a group of diseases characterized by signs of...*5th November, 2009  
Department of Dermatology, Molecular Oncology and Aging, Eberhard Karls- J Investig Dermatol Symp Proc. 2009 Aug;14(1):8-14. ([DOI Direct Link](#))
- [The gene of Bloom's syndrome: an autosomal recessive disorder with male dominance.](#)  
*Bloom syndrome confers strong predisposition to malignancy in multiple...*27th October, 2009  
- Genet Test Mol Biomarkers. 2009 Aug;13(4):443-4. ([DOI Direct Link](#))
- [Lupus-Like Histopathology in Bloom Syndrome: Reexamining the Clinical and Histologic Implications of Photosensitivity.](#)  
*Bloom syndrome is a rare genodermatosis of autosomal recessive...*13th October, 2009  
From the Department of Dermatology and Dermatologic Surgery, Medical- Am J Dermatopathol. 2009 Oct 8. ([DOI Direct Link](#))
- [Development of genomic DNA reference materials for genetic testing of disorders common in people of ashkenazi jewish descent.](#)  
*Many recessive genetic disorders are found at a higher incidence in people...*10th October, 2009  
Laboratory Practice Evaluation and Genomics Branch, National Center for- J Mol Diagn. 2009 Nov;11(6):530-6. Epub 2009 Oct 8. ([DOI Direct Link](#))
- [Topo IIIalpha and BLM act within the Fanconi anemia pathway in response to DNA-crosslinking agents.](#)  
*The Bloom protein (BLM) and Topoisomerase IIIalpha are found in...*26th September, 2009  
Department of Molecular and Medical Genetics, Oregon Health & Science- Cytogenet Genome Res. 2009;125(3):165-75. Epub 2009 Sep 4. ([DOI Direct Link](#))

- [Telomeric D-loops containing 8-oxo-2'-deoxyguanosine are preferred substrates for Werner and Bloom syndrome helicases and are bound by POT1.](#)  
*8-Oxo-2'-deoxyguanosine (8-oxodG) is one of the most important oxidative...* 8th September, 2009  
Laboratory of Molecular Gerontology, NIA, National Institutes of Health,- J Biol Chem. 2009 Nov 6;284(45):31074-84. Epub 2009 Sep 4. ([DOI Direct Link](#))
- [Irradiated Blm-deficient mice are a highly tumor prone model for analysis of a broad spectrum of hematologic malignancies.](#)  
*Mutations in the BLM gene cause human Bloom syndrome (BS), an autosomal...* 28th August, 2009  
Wellcome Trust Sanger Institute, Wellcome Trust Genome Campus, Hinxton,- Leuk Res. 2009 Aug 25. ([DOI Direct Link](#))
- [Removal of the Bloom Syndrome DNA Helicase Extends the Utility of Imprecise Transposon Excision for Making Null Mutations in Drosophila.](#)  
*Transposable elements are frequently used in Drosophila melanogaster for...* 19th August, 2009  
Tufts University.- Genetics. 2009 Sep 28. ([DOI Direct Link](#))
- [BLM helicase stimulates the ATPase and chromatin-remodeling activities of RAD54.](#)  
*Mutation of BLM helicase results in the autosomal recessive disorder Bloom...* 13th August, 2009  
National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi, India.- J Cell Sci. 2009 Sep 1;122(Pt 17):3093-103. Epub 2009 Aug 11. ([DOI Direct Link](#))
- [Replication stress induces sister-chromatid bridging at fragile site loci in mitosis.](#)  
*Several inherited syndromes in humans are associated with cancer...* 8th July, 2009  
Weatherall Institute of Molecular Medicine, University of Oxford, John- Nat Cell Biol. 2009 Jun;11(6):753-60. Epub 2009 May 24. ([DOI Direct Link](#))
- [The FANC pathway and BLM collaborate during mitosis to prevent micro-nucleation and chromosome abnormalities.](#)  
*Loss-of-function of caretaker genes characterizes a group of cancer...* 8th July, 2009  
Universite Paris-Sud, CNRS FRE2939, CEA LRC43V, Institut Gustave Roussy- Nat Cell Biol. 2009 Jun;11(6):761-8. Epub 2009 May 24. ([DOI Direct Link](#))
- [Loss of Bloom syndrome protein destabilizes human gene cluster architecture.](#)  
*Bloom syndrome confers strong predisposition to malignancy in multiple...* 23rd June, 2009  
Department of Microbiology, Immunology and Molecular Genetics, University- Hum Mol Genet. 2009 Sep 15;18(18):3417-28. Epub 2009 Jun 19. ([DOI Direct Link](#))

## Bloom Syndrome Patents:



- 7244614- [Fusion proteins and assays for molecular binding](#)
- 7348418- [Carcinoma-related genes and polypeptides and methods of use thereof](#)
- 7359748- [Apparatus for total immersion photography](#)
- 7361336- [Methods of cancer therapy targeted against a cancer stem line](#)
- 7361491- [DNA molecules encoding human NHL, a DNA helicase](#)
- 7368531- [Human secreted proteins](#)
- 7375133- [Pharmaceutical compositions including carotenoid ether analogs or derivatives for the inhibition and amelioration of disease](#)
- 7381722- [Tetracyclic amino and carboxamido compounds and methods of use thereof](#)
- 7388016- [Dibenzonaphthyridine derivatives and methods of use thereof](#)

- 7388093- [Gene for identifying individuals with familial dysautonomia](#)
- 7393534- [Compositions and methods for immunotherapy of cancer and infectious diseases](#)
- 7345172- [Methods and compositions for detecting polynucleotide duplex damage and errors](#)
- 7345091- [Carotenoid ether analogs or derivatives for the inhibition and amelioration of disease](#)
- 7344841- [Real-time monitoring of nucleic acid target-identifying signals](#)
- 7250416- [Azacytosine analogs and derivatives](#)
- 7255993- [Detection of mutational frequency and related methods](#)
- 7276228- [Methods for treating hematological disorders through inhibition of DNA methylation and histone deacetylase](#)
- 7285641- [Antibodies against gene products related to Werner's Syndrome](#)
- 7291461- [Methods for identifying small molecules that modulate premature translation termination and nonsense mRNA decay](#)
- 7306918- [Determination of the number of tandem repeat nucleotides using encoded probe-displaying beads](#)
- 7317008- [Carotenoid ester analogs or derivatives for the inhibition and amelioration of ischemic reperfusion injury](#)
- 7319007- [Determining a predisposition to cancer](#)
- 7320997- [Pharmaceutical compositions including carotenoid ester analogs or derivatives for the inhibition and amelioration of disease](#)
- 7329497- [Gene causative of Rothmund-Thomson syndrome and its gene product](#)
- 7396669- [Mammalian endonucleases and methods of use](#)
- 7399633- [Methods for immortalizing cells](#)
- 7514209- [Diagnosis and prognosis of breast cancer patients](#)
- 7521584- [Carotenoid analogs or derivatives for the inhibition and amelioration of disease](#)
- 7541511- [Mouse exhibiting characteristics of Rothmund-Thomson syndrome and preparation method thereof](#)
- 7566536- [WNT-regulated cytokine-like polypeptide and nucleic acids encoding same](#)
- 7572886- [Death associated proteins, and THAP1 and PAR4 pathways in apoptosis control](#)
- 7576192- [Rapid and sensitive assay for the detection and quantification of coregulators of nucleic acid binding factors](#)
- 7592422- [Modified plasminogen activator inhibitor type-1 and methods based thereon](#)
- 7592449- [Structural carotenoid analogs for the inhibition and amelioration of disease](#)
- 7608259- [Methods of cancer diagnosis and therapy targeted against a cancer stem line](#)
- 7612189- [Cell cycle phase markers](#)
- 7510881- [Method and kit for the quantitative and/or qualitative detection of components in a sample](#)
- 7507828- [Histone deacetylase inhibitors and methods of use thereof](#)
- 7504103- [Methods of cancer diagnosis and therapy targeted against a cancer stem line](#)
- 7404973- [Bowman-Birk inhibitor soy protein concentrate composition](#)
- 7407756- [Methods for detecting mutations associated with familial dysautonomia](#)
- 7411051- [Antibodies to HDPPA04 polypeptide](#)
- 7425331- [Protein A methods of use](#)
- 7425416- [Genetic analysis and authentication](#)
- 7427400- [Methods of cancer diagnosis and therapy targeted against a cancer stem line](#)
- 7432369- [Pyridyl-substituted porphyrin compounds and methods of use thereof](#)
- 7459287- [Method for determination and quantification of radiation or genotoxin exposure](#)
- 7459532- [Variants of the TRP channel family member, LTRPC3G](#)
- 7485308- [26199, 33530, 33949, 47148, 50226, 58764, 62113, 32144, 32235, 23565, 13305, 14911, 86216, 25206, and 8843 molecules and uses therefor](#)
- 7618774- [Materials and methods for identifying genes and/or agents that alter replicative lifespan](#)

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