

Recent patent applications in DNA diagnostics

Patent number	Description	Assignee	Inventor	Priority application date	Publication date
WO 2008127199, EP 2146740	A method of preventing, inhibiting, arresting or reversing tumorigenesis in a cell, comprising modulating the amount or the activity of a Rab binding protein.	Agency for Science, Technology and Research (Singapore)	Lim B, Miller LD, Zhang J	4/13/2007	10/23/2008, 1/27/2010
US 20090325813	A method of determining the level of target oligonucleotide suspected of being present in a sample for diagnosing, e.g., cancer, by measuring hybridization of the target and reference oligonucleotide to a test and calibration microarray and comparing the results.	Curry BU, Wang H	Curry BU, Wang H	6/26/2008	12/31/2009
WO 2009147519	A method of determining delivery rates and/or efficiency of a small interfering RNA (siRNA), microRNA (miRNA) or related molecule to/in target organs or cells, comprising measuring levels, in exosomes or vesicles of target organs or cells of siRNA and/or miRNA.	National Center for Research Sciences (Paris)	Gibbings D, Voinnet O	6/6/2008	12/10/2009
WO 2009143624	A method of determining the acute allograft rejection status of a subject by determining the nucleic acid expression profile of nucleic acid markers or proteomic expression profile of proteomic markers in a biological sample from the subject.	University of British Columbia (Vancouver, BC, Canada)	Balshaw R, Cohen Freue G, Gunther O, Keown P, McManus B, McMaster R, Meredith A, Mui A, Ng R, Scherer A	5/30/2008	12/3/2009
WO 2009100029	A diagnostic method aiding in the detection of disease or other medical condition, comprising isolating a microvesicle fraction from a biological sample and detecting the presence or absence of a biomarker within the microvesicle fraction.	General Hospital Corp. (Boston)	Breakefield XO, Brown D, Miranda KC, Russo LM, Skog J	2/1/2008	8/13/2009
WO 2009036513	Identifying an epigenetic and genetic profile in a subject associated with a mental health condition, comprising detecting DNA methylation of the serotonin transporter (5HTT) promoter region and/or the level of expression of the 5HTT gene.	Murdoch Childrens Research Institute (Parkville, Victoria, Australia)	Craig JM, Olsson CA, Saffery R	9/21/2007	3/26/2009
WO 2009033185	A method of identifying druggable targets comprising obtaining a cell or organism with an RNA interference (RNAi) pathway, infecting the cell or organism with a virus, and assaying for a change in expression of the microRNAs in the cell or organism.	University of Massachusetts (Boston)	Kowalik TF, Stadler BM	9/6/2007	3/12/2009
WO 2008113773	A nucleic acid molecule comprising a 7SL small-RNA-derived sequence comprising at least the binding domain to srp9 and srp14 proteins of the 7SL ribonucleocomplex, a sequence identical or complementary to a target sequence and a pol III type III promoter; useful for diagnosing an age-related pathology, e.g., Alzheimer's disease.	Biorigen (Genoa, Italy)	Pagano A	3/16/2007	9/25/2008
WO 2008103135	A new isolated microRNA (miRNA) polynucleotide, useful for diagnosing and treating a colorectal cancer in a subject, and for screening for test agents which that affect miRNA generation.	Johns Hopkins University (Baltimore, MD, USA)	Cummins J, Kinzler KW, Velculescu V, Vogelstein B	2/16/2007	8/28/2008
WO 2008097926	A new linear double-stranded DNA template comprising an open reading frame encoding a therapeutic, prophylactic or diagnostic polypeptide or nucleic acid molecule; useful for <i>in vitro</i> transcription of RNA and treating or inhibiting disorders.	Yale University (New Haven, CT, USA)	Bahceci E, Komarovskaya ME, Rabinovich PM, Weissman SM	2/2/2007	8/14/2008

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