

Oncomine Update August 2006

Greetings Oncominers!

Oncomine was recently updated to include 65 new Studies! Some of these are described below and can be explored by copy/paste the Author_Tissue name into Profile Search within Oncomine.

We hope you will find these studies valuable for biomarker discovery, target identification/validation and hypothesis generation.

As always, we welcome your requests for valuable new studies to include in the Oncomine platform.

Regards,

The Compendia Bioscience Team

New Studies!

Breast

Pawtiwan_Breast

Breast 135 Arrays BRCA1 Mutation , Survival Breast Cancer Res 2006

Gene expression profiling spares early breast cancer patients from adjuvant therapy: derived and validated in two population-based cohorts

Sotiriou_Breast_3

Breast 189 Arrays ER Status, Grade, Relapse J Natl Cancer Inst 2006

Gene expression profiling in breast cancer: understanding the molecular basis of histologic grade to improve prognosis.

Colon

Graudens_Colon

Colon 60 Arrays Type, Resistance, Metastasis Genome Biol 2006

Deciphering cellular states of innate tumor drug responses.

Clarke_Colon

Colon 35 Arrays Chemoradiotherapy, Response, p53 Immunohistochemistry Cancer Res 2003

Molecular pharmacology of cancer therapy in human colorectal cancer by gene expression profiling.

Koinuma_Colon

Colon 40 Arrays Mutation, Methylation, Duke Stage, Microsatellite Instability Oncogene 2006

Epigenetic silencing of AXIN2 in colorectal carcinoma with microsatellite instability.

Head and Neck

Chung_Head-Neck

Head and Neck 78 Arrays Tobacco Use, Type, Site, Stage, Immuno, Relapse, Lymph Node, Differentiation, Cancer Cell 2004

Gene expression profiling spares early breast cancer patients from adjuvant therapy: derived and validated in two population-based cohorts.

Ginos_Head-Neck

Head and Neck	54 Arrays	Type, Site, Stage, Differentiation, Lymph Node Status, Primary/Recurrent	Cancer Res 2004
---------------	-----------	--	-----------------

Identification of a gene expression signature associated with recurrent disease in squamous cell carcinoma of the head and neck.

New Tissues!

Neuroblastoma

Ohira_Neuroblastoma

Neuroblastoma	186 Arrays	MYCN Status, trkA Expression, Preop. Chemotherapy, Ploidy	Cancer Cell 2005
---------------	------------	--	------------------

Expression profiling using a tumor-specific cDNA microarray predicts the prognosis of intermediate risk neuroblastomas.

Oral

O'Donnell_Oral

<i>Oral</i>	27 Arrays	Type, Lymph Node Status	<i>Oncogene, 2005</i>
-------------	-----------	-------------------------	-----------------------

Gene expression signature predicts lymphatic metastasis in squamous cell carcinoma of the oral cavity.

Seminoma

Korkola_Seminoma

Seminoma	107 Arrays	Type	Cancer Res 2006
----------	------------	------	-----------------

Down-regulation of stem cell genes, including those in a 200-kb gene cluster at 12p13.31, is associated with in vivo differentiation of human male germ cell tumors.

New Cell Lines!

Bild_CellLine

Cell Line	55 Arrays	Type, Oncogene Transfected, Survival	Nature 2005
-----------	-----------	---	-------------

Oncogenic pathway signatures in human cancers as a guide to targeted therapies.

Bild_CellLine_2

Cell Line	30 Arrays	Type, Survival	Nature 2005
-----------	-----------	----------------	-------------

Oncogenic pathway signatures in human cancers as a guide to targeted therapies.

Gyorffy_CellLine

Cell Line	30 Arrays	Sensitivity	Int J Cancer 2005
-----------	-----------	-------------	-------------------

Gene expression profiling of 30 cancer cell lines predicts resistance towards 11 anticancer drugs at clinically achieved concentrations.

Banno_CellLine

Cell Line	16 Arrays	Sensitivity	J Biol Chem 2005
-----------	-----------	-------------	------------------

Epidermal keratinocytes: Pathway-specific profiling identifies the NF-kappa B-dependent tumor necrosis factor alpha-regulated genes

New Treatments!

Cloos_Lymphoma

Lymphoma	28 Arrays	Bleomycin, Mutagen sensitivity	Mol Cancer Res 2006
----------	-----------	--------------------------------	---------------------

Microarray analysis of bleomycin-exposed lymphoblastoid cells for identifying cancer susceptibility genes.

Cariello_Liver

Liver 23 Arrays Ciprofibrate Treatment, Dose Toxicol Sci 2005

PPAR-alpha agonist profiling in liver

Baghdoyan_CellLine

Cell Line 72 Arrays Gamma Irradiation Treatment J Biol Chem 2005

Id2 reverses cycle cycle arrest by gamma irradiation in keratinocytes

Ben-Chetrit_CellLine

Cell Line 16 Arrays Colchicine Treatment Rheumatology (Oxford) 2005

Anti-inflammatory effect of colchicine on HUVEC cells

Trus_CellLine

Cell Line 4 Arrays Valproic acid Treatment Leukemia 2005

Histone deacetylase inhibitor valproic acid alters sensitivity towards all trans retinoic acid in OCI/AML2 cells

Carson_CellLine

Cell Line 7 Arrays Camptothecin Treatment Cancer Res 2004

Pharmacogenomic identification of targets for adjuvant therapy with the topoisomerasepoison camptothecin in HeLa cells.