



nCounter® Publications

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A photograph of a stack of books with various colored spines, shown in a shallow depth of field. The text '1114 Total Publications' is overlaid on the bottom left of this image.

**1114 Total
Publications**

CATEGORY	TITLE	AUTHOR(S)	PUBLICATION	PAGE	DATE
Copy Number Variant	Genomic Alterations in Biliary Tract Cancer Using Targeted Sequencing.	Yoo, K. H., et. al.	Trans. Oncol.	9(3): 173-78.	1-Jun-16
Methods	Comparison of quantitative real-time polymerase chain reaction with NanoString methodology using adipose and liver tissues from rats fed seaweed.	Bentley-Hewitt, K. L., et. al.	New Biotech.	33(3): 380-386.	25-May-16
Other Species	FGF8 and SHH substitute for anterior-posterior tissue interactions to induce limb regeneration	Nacu, E., et al.,	Nature	[Epub]	27-Apr-16
Methods	Efficient introduction of specific homozygous and heterozygous mutations using CRISPR/Cas9.	Paquet, D., et al.,	Nature	[Epub]	27-Apr-16
NeuroBiology	Insensitivity of Astrocytes to Interleukin-10 Signaling following Peripheral Immune Challenge Results in Prolonged Microglial Activation in the Aged Brain.	Norden, D. M., et al.,	Neurobiology of Aging	[Epub]	27-Apr-16
Lung Disease	Integrated Genomics Reveals Convergent Transcriptomic Networks Underlying COPD and IPF.	Kusko, R. L., et al.,	Am. J. Respir. Crit. Care. Med	[Epub]	22-Apr-16
Regulatory Small RNA	Dysregulation of miRNA-9 in a Subset of Schizophrenia Patient-Derived Neural Progenitor Cells.	Topol, A., et. al.	Cell Reports	[Epub]	21-Apr-16
Other Species	Glutathione antioxidant pathway activity and reserve determine toxicity and specificity of the biliary toxin biliatresone in zebrafish.	Zhao, X., et. al.	Hepatology	[Epub]	21-Apr-16
Methods	Single-Patient Molecular Testing with NanoString nCounter Data Using a Reference-Based Strategy for Batch Effect Correction.	Talhok, A., et. al.	PLoS ONE	[Epub]	20-Apr-16
Immunology	Noncanonical autophagy inhibits the autoinflammatory, lupus-like response to dying cells.	Martinez, J., et. al.	Nature	[Epub]	20-Apr-16
Oncology	A novel MIF signaling pathway drives the malignant character of pancreatic cancer by targeting NR3C2	Yang, S., et. al.	Cancer Res.	[Epub]	20-Apr-16
Oncology	Cancer stem cells in moderately differentiated oral tongue squamous cell carcinoma	Baillie, R., et. al.	J. Clin Pathol.	[Epub]	19-Apr-16
Immunology	Upregulation of inflammatory gene transcripts in periosteum of chronic migraineurs: Implications to extracranial origin of headache.	Perry, C., et. al.	Annals of Neurology	[Epub]	18-Apr-16
Immunology	Per2 induction limits lymphoid-biased haematopoietic stem cells and lymphopoiesis in the context of DNA damage and ageing.	Wang, J., et. al.	Nature Cell Biology	[Epub]	18-Apr-16
Regulatory Biology	Upregulation of inflammatory gene transcripts in periosteum of chronic migraineurs: Implications to extracranial origin of headache.	Perry, C., et. al.	Annals of Neurology	[Epub]	18-Apr-16
Oncology	ROBUST: Lenalidomide-R-CHOP versus placebo-R-CHOP in previously untreated ABC-type diffuse large B-cell lymphom	Nowakowski, R., et. al.	Future Oncol.	[Epub]	18-Apr-16
Oncology	RB1 is the crucial target of the Merkel cell polyomavirus Large T antigen in Merkel cell carcinoma cells.	Hesbacher, S., et. al.	Oncotarget	[Epub]	18-Apr-16
Oncology	ROBUST: Lenalidomide-R-CHOP versus placebo-R-CHOP in previously untreated ABC-type diffuse large B-cell lymphom	Nowakowski, R., et al.,	Future Oncol.	[Epub]	18-Apr-16

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Oncology	RB1 is the crucial target of the Merkel cell polyomavirus Large T antigen in Merkel cell carcinoma cells.	Hesbacher, S., et al.,	Oncotarget	[Epub]	18-Apr-16
NeuroBiology	Connexin 43 in astrocytes contributes to motor neuron toxicity in amyotrophic lateral sclerosis	Almad, A .A., et. al.	Glia	[Epub]	16-Apr-16
NeuroBiology	Social defeat leads to changes in the endocannabinoid system: An overexpression of calreticulin and motor impairment in mice.	Tomas-Roig, J., et. al.	Behavioral Brain Res.	[Epub]	15-Apr-16
Oncology	Frequency of germline DNA genetic findings in an unselected prospective cohort of triple-negative breast cancer patients participating in a platinum-based neoadjuvant chemotherapy trial.	Gonzalez-Rivera, M., et. al.	Breast Can Res. and Treat	[Epub]	15-Apr-16
Pan Cancer Panels	Assessment of Tumor Heterogeneity, as Evidenced by Gene Expression Profiles, Pathway Activation, and Gene Copy Number, in Patients with Multifocal Invasive Lobular Breast Tumors.	Norton, N., et. al.	PLoS ONE	[Epub]	14-Apr-16
Oncology	Adaptation of Laser Microdissection Technique for the Study of a Spontaneous Metastatic Mammary Carcinoma Mouse Model by NanoString Technologies.	Castro, N., et. al.	PLoS ONE	[Epub]	14-Apr-16
Immuno-oncology	GPER signalling in both cancer-associated fibroblasts and breast cancer cells mediates a feedforward IL1β/IL1R1 response	De Marco, P., et. al.	Sci. Reports	[Epub]	13-Apr-16
Immuno-oncology	Triple-negative breast cancers with amplification of JAK2 at the 9p24 locus demonstrate JAK2-specific dependence.	Balko, J., et. al.	Sci. Transl. Med.	[Epub]	13-Apr-16
Oncology	Transcriptome Variability in Keratocystic Odontogenic Tumor Suggests Distinct Molecular Subtypes.	Hu, S., et. al.	Sci. Reports	[Epub]	12-Apr-16
Regulatory Small RNA	Shift of microRNA profile upon orthotopic xenografting of glioblastoma spheroid cultures.	Halle, B., et. al.	J. Neurooncol.	[Epub]	11-Apr-16
Oncology	The Public Repository of Xenografts Enables Discovery and Randomized Phase II-like Trials in Mice.	Townsend, E. C., et. al.	Cancer Cell	[Epub]	11-Apr-16
Regulatory Biology	Expression of the Components of the Renin-Angiotensin System in Venous Malformation.	Siljee, S., et. al.	Frontiers in Surgery	[Epub]	11-Apr-16
Regulatory Small RNA	Comparing exosome-like vesicles with liposomes for the functional cellular delivery of small RNAs.	Stremersch, S., et. al.	J. Control Release	[Epub]	9-Apr-16
Oncology	HuR Contributes to TRAIL Resistance by Restricting Death Receptor 4 Expression in Pancreatic Cancer Cells.	Romeo, C., et. al.	Mol. Can. Res.	[Epub]	6-Apr-16
Cardiovascular	Cyclodextrin promotes atherosclerosis regression via macrophage reprogramming.	Zimmer, S., et. al.	Sci. Transl. Med.	[Epub]	6-Apr-16
Microbiome	Colitis susceptibility in p47(phox ^{-/-}) mice is mediated by the microbiome.	Falcone, E. L., et. al.	Microbiome	[Epub]	5-Apr-16

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Oncology	Validation of Gene Expression Signatures to Identify Low-risk Clear-cell Renal Cell Carcinoma Patients at Higher Risk for Disease-related Death.	Parasramka, M., et. al.	European Urology Focus	[Epub]	2-Apr-16
Regulatory Small RNA	MicroRNA expression profiling in skeletal muscle reveals different regulatory patterns in high and low responders to resistance training.	Ogasawara, R., et. al.	Physiol. Genomics	[Epub]	1-Apr-16
Oncology	A four gene signature of chromosome instability (CIN4) predicts for benefit from taxanes in the NCIC-CTG MA21 clinical trial.	Spears, M., et. al.	Oncotarget	[Epub]	1-Apr-16
Oncology	Prognostic value of medulloblastoma extent of resection after accounting for molecular subgroup: a retrospective integrated clinical and molecular analysis.	Thompson, E. M., et. al.	The Lancet Oncology	[Epub]	1-Apr-16
Developmental and Systems Biology	Deficiency of the placenta- and yolk sac-specific tristetraptolin family member ZFP36L3 identifies likely mRNA targets and an unexpected link to placental iron metabolism.	Stumpo, D. J., et. al.	Development	[Epub]	1-Apr-16
Stem Cell Technology	Expression of embryonic stem cell markers in keloid-associated lymphoid tissue.	Grant, C., et. al.	J. Clin Pathol.	[Epub]	30-Mar-16
Oncology	The West German Study Group Breast Cancer Intrinsic Subtype study: a prospective multicenter decision impact study utilizing the Prosigna assay for adjuvant treatment decision-making in estrogen-receptor-positive, HER2-negative early-stage breast cancer.	Wuerstlein, R., et. al.	Curr. Med. Res. Opin.	[Epub]	30-Mar-16
Oncology	A genomic case study of mixed fibrolamellar hepatocellular carcinoma.	Griffiths, O. L., et. al.	Annals Oncol.	[Epub]	30-Mar-16
Regulatory Small RNA	MicroRNA-122 Regulates Polyploidization in the Murine Liver.	Hsu, S-H, et. al.	Hepatology	[Epub]	26-Mar-16
NeuroBiology	Complex molecular and functional outcomes of single versus sequential cytokine stimulation of rat microglia	Tamjeed, A., et. al.	J. Neuroinflammation	[Epub]	24-Mar-16
Immunology	Crucial roles of XCR1-expressing dendritic cells and the XCR1-XCL1 chemokine axis in intestinal immune homeostasis	Ohta, T., et. al.	Sci. Reports	[Epub]	23-Mar-16
Immunology	Developmental Progression and Interrelationship of Central and Effector Regulatory T Cell Subsets.	Toomer, K .H., et. al.	J. Immunology	[Epub]	23-Mar-16
Regulatory Biology	Mitochondrial stress induces cellular senescence in an mTORC1-dependent manner	Nacarelli, T., et. al.	Free Radic Biol. Med.	[Epub]	23-Mar-16
Oncology	Novel Small-molecule CX3CR1 Antagonist Impairs Metastatic Seeding and Colonization of Breast Cancer Cells.	Shen, F., et. al.	Mol. Can. Res.	[Epub]	21-Mar-16
Other Species	A Combinatorial Kin Discrimination System in Bacillus subtilis	Lyons, N. A., et. al.	Current Biology	[Epub]	21-Mar-16
Liver Disease	DNMT1 is a Required Genomic Regulator for Murine Liver Histogenesis and Regeneration.	Kaji, K., et. al.	Hepatology	[Epub]	21-Mar-16

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Liver Disease	R-spondin 1 and noggin facilitate expansion of resident stem cells from non-damaged gallbladders.	Lugli, N., et. al.	EMBO Reports	[Epub]	18-Mar-16
Regulatory Biology	The Werner syndrome RECQ helicase targets G4 DNA in human cells to modulate transcription.	Tang, W., et. al.	HMG	[Epub]	16-Mar-16
Oncology	The WSG BCIST Study: A prospective multicenter decision impact study utilizing the Prosigna assay for adjuvant treatment decision-making in ER-positive, HER2-negative early-stage breast cancer.	Wuerstlein, R., et.. al.	Curr. Med. Res. Opin.	[Epub]	14-Mar-16
Immuno-oncology	PILOT AND FEASIBILITY TRIAL OF IMMUNO-GENE THERAPY OF MALIGNANT MESOTHELIOMA USING INTRAPLEURAL DELIVERY OF ADENOVIRUS- INTERFERON-ALPHA COMBINED WITH CHEMOTHERAPY.	Sterman, D. H., et. al.	Clin. Can. Res.	[Epub]	11-Mar-16
Pathogens	TIM3 Mediates T Cell Exhaustion during Mycobacterium tuberculosis Infection.	Jayaraman, P., et. al.	PLoS Pathogens	[Epub]	11-Mar-16
NeuroBiology	Activation of Myenteric Glia during Acute Inflammation In Vitro and In Vivo	Rosenbaum, C., et. al.	PLoS ONE	[Epub]	10-Mar-16
Oncology	Genomic markers of panitumumab resistance including ERBB2/ HER2 in a phase II study of KRAS wild-type (wt) metastatic colorectal cancer (mCRC).	Barry, G. S., et. al.	Oncotarget	[Epub]	9-Mar-16
Regulatory Small RNA	Tumor Evolution Inferred by Patterns of microRNA Expression through the Course of Disease, Therapy and Recurrence in Breast Cancer	Dadiani, M., et. al.	Clin. Can. Res.	[Epub]	8-Mar-16
Biofluids	Ambient particulate matter and microRNAs in extracellular vesicles: a pilot study of older individuals.	Rodosthenis, S., et. al.	Part Fibre Toxicol.	[Epub]	8-Mar-16
Regulatory Small RNA	Tumor Evolution Inferred by Patterns of microRNA Expression through the Course of Disease, Therapy and Recurrence in Breast Cancer.	Dadiani, M., et. al.	Clin. Can. Res.	[Epub]	8-Mar-16
Biofluids	Human cerebrospinal fluid microRNA: temporal changes following subarachnoid hemorrhage.	Powers, C. J., et. al.	Physiol. Genomics	[Epub]	4-Mar-16
Immuno-oncology	Pin1 is required for sustained B cell proliferation upon oncogenic activation of Myc.	D'Artista, L., et. al.	Oncotarget	[Epub]	2-Mar-16
Regulatory Small RNA	Tumor microenvironment derived exosomes pleiotropically modulate cancer cell metabolism.	Zhou, H., et al.,	eLife	[Epub]	27-Feb-16
Oncology	Folic-acid metabolism and DNA-repair phenotypes differ between neuroendocrine lung tumors and associate with aggressive subtypes, therapy resistance and outcome.	Walter, R. F., et.. al.	Oncotarget	[Epub]	26-Feb-16
Oncology	Delivery of Therapeutics Targeting the mRNA-Binding Protein HuR Using 3DNA Nanocarriers Suppresses Ovarian Tumor Growth.	Huang, Y-H., et. al.	Cancer Res.	[Epub]	26-Feb-16
Regulatory Small RNA	MicroRNA and gene expression changes in unruptured human cerebral aneurysms.	Bekelis, K., et. al.	J. Neurosurg.	[Epub]	26-Feb-16

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NeuroBiology	Eliminating microglia in Alzheimer's mice prevents neuronal loss without modulating amyloid- β pathology.	Spanenburg, E. E., et. al.	Brain	[Epub]	26-Feb-16
Other Species	A Combinatorial Kin Discrimination System in <i>Bacillus subtilis</i>	Lyons, N. A., et. al.	Current Biology	[Epub]	25-Feb-16
Immuno-oncology	Glioblastoma-infiltrated innate immune cells resemble MO macrophage phenotype	Gabrusiewicz, K., et. al.	JCI	[Epub]	25-Feb-16
Oncology	microRNAs are differentially regulated between MDM2-positive and negative malignant pleural mesothelioma.	Walter, R. F., et. al.	Oncotarget	[Epub]	24-Feb-16
Oncology	A sensitive NanoString-based assay to score STK11 (LKB1) pathway disruption in lung adenocarcinoma	Chen, L., et. al.	J. Thoracic Surgery	[Epub]	23-Feb-16
Oncology	Characterization of FGFR1 Locus in sqNSCLC Reveals a Broad and Heterogeneous Amplicon	Rooney, C., et.. al.	PLoS ONE	[Epub]	23-Feb-16
Oncology	Prognostic value of ERBB4 expression in patients with triple negative breast cancer.	Kim, J-Y., et. al.	BMC Cancer	[Epub]	22-Feb-16
Regulatory Small RNA	MicroRNA dysregulation and esophageal cancer development depend on the extent of zinc dietary deficiency.	Fong, L. Y., et. al.	Oncotarget	[Epub]	21-Feb-16
Other Species	Quantitative Single-Embryo Profile of <i>Drosophila</i> Genome Activation and the Dorsal-Ventral Patterning Network.	Sandler, J. E., et. al.	Genetics	[Epub]	19-Feb-16
Diabetes	Metabolic syndrome and pre-diabetes contribute to racial disparities in breast cancer outcomes: hypothesis and proposed pathways.	Gallagher, E. J., et. al.	Diabets Metab. Res. Rev.	[Epub]	19-Feb-16
Oncology	From the Field to the Laboratory: Air Pollutant-Induced Genomic Effects in Lung Cells	Vizuet, W., et. al.	Environ Health Insights	[Epub]	18-Feb-16
Oncology	MB3W1 is an orthotopic xenograft model for anaplastic medulloblastoma displaying cancer stem cell- and Group 3-properties.	Diet, I. S., et. al.	BMC Cancer	[Epub]	17-Feb-16
Oncology	NanoString expression profiling identifies candidate biomarkers of RAD001 response in metastatic gastric cancer.	Das, K., et. al.	BMJ	[Epub]	17-Feb-16
Other Species	Temporal embryonic transcription of chicken fast skeletal myosin heavy chain isoforms in the single comb white leghorn.	Griffin, J., et. al.	Poultry Sci.	[Epub]	16-Feb-16
Regulatory Small RNA	A selective screening platform reveals unique global expression patterns of microRNAs in a cohort of human soft-tissue sarcomas.	Yu, P. Y., et. al.	Lab Invest.	[Epub]	15-Feb-16
Oncology	Gamabufotalin triggers c-Myc degradation via induction of WWP2 in multiple myeloma cells.	Yu, Z., et.. al.	Oncotarget	[Epub]	15-Feb-16
Copy Number Variant	High-depth sequencing of over 750 genes supports linear progression of primary tumors and metastases in most patients with liver-limited metastatic colorectal cancer	Tan, I. B., et. al.	Genome Biology	[Epub]	12-Feb-16

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Other Species	Contribution of hedgehog signaling to the establishment of left-right asymmetry in the sea urchin.	Warner, J. F., et. al.	Dev Biol.	[Epub]	9-Feb-16
Oncology	Elevated Serum Levels of Alpha-Fetoprotein in Patients with Infantile Hemangioma Are Not Derived from within the Tumor.	Itineang, T., et. al.	Frontiers in Surgery	[Epub]	9-Feb-16
Regulatory Small RNA	miR-126 Regulates Distinct Self-Renewal Outcomes in Normal and Malignant Hematopoietic Stem Cells.	Lechman, E. R., et. al.	Cancer Cell	[Epub]	8-Feb-16
Copy Number Variant	Divergent clonal evolution of castration-resistant neuroendocrine prostate cancer.	Beltran, H., et. al.	Nat. Med.	[Epub]	8-Feb-16
Oncology	Downregulation of histone H2A and H2B pathways is associated with anthracycline sensitivity in breast cancer.	Braunstein, M., et. al.	Breast Can Res.	[Epub]	6-Feb-16
Pathogens	Gastric Helicobacter pylori Infection Affects Local and Distant Microbial Populations and Host Responses.	Kienesberger, S., et. al.	Cell Reports	[Epub]	4-Feb-16
NeuroBiology	The Cannabinoid CB1/CB2 Agonist WIN55212.2 Promotes Oligodendrocyte Differentiation In Vitro and Neuroprotection During the Cuprizone-Induced Central Nervous System Demyelination	Tomas-Roig, J., et.. al.	CNS Neuroscience and Therapeutics	[Epub]	4-Feb-16
Single Cell	Single-Cell Detection of Secreted A β and sAPP α from Human iPSC-Derived Neurons and Astrocytes.	Liao, M-C., et. al.	J. Neuroscience	[Epub]	3-Feb-16
Oncology	A prognostic signature based on three-genes expression in triple-negative breast tumours with residual disease.	Pinto, J. A., et. al.	Nature Genomic Med.	[Epub]	3-Feb-16
Formalin-Fixed Paraffin-Embedded	Multiplexed color-coded probe-based gene expression assessment for clinical molecular diagnostics in formalin-fixed paraffin-embedded human renal allograft tissue	Adam, B., et. al.	Cli. Transplantation	[Epub]	3-Feb-16
Immunology	Neutrophils Self-Regulate Immune Complex-Mediated Cutaneous Inflammation through CXCL2.	Li, J., et. al.	J. Investigative Dermatology	[Epub]	1-Feb-16
Immunology	Enhanced stability of tristetraprolin mRNA protects mice against immune-mediated inflammatory pathologies.	Patil, S., et.. al.	PNAS	[Epub]	1-Feb-16
Oncology	Tankyrase Inhibition Blocks Wnt/ β -Catenin Pathway and Reverts Resistance to PI3K and AKT Inhibitors in the Treatment of Colorectal Cancer.	Arques, O., et. al.	Clin. Can. Res.	[Epub]	1-Feb-16
Immuno-oncology	Loss of PTEN Promotes Resistance to T Cell-Mediated Immunotherapy.	Peng, W., et. al.	Cancer Discovery	[Epub]	1-Feb-16
Other Species	Graded Proteasome Dysfunction in Caenorhabditis elegans Activates an Adaptive Response Involving the Conserved SKN-1 and ELT-2 Transcription Factors and the Autophagy-Lysosome Pathway	Keith, S. A., et. al.	PLoS Genetics	[Epub]	1-Feb-16

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Diabetes	Despite Increased Type 1 IFN, Autoimmune Nonobese Diabetic Mice Display Impaired Dendritic Cell Response to CpG and Decreased Nuclear Localization of IFN-Activated STAT1.	Rahman, M. J., et. al.	J. Immunology	[Epub]	29-Jan-16
Regulatory Small RNA	RBM3 regulates temperature sensitive miR-142-5p and miR-143 (thermomirs), which target immune genes and control fever.	Wong J. et. al.	NAR	[Epub]	28-Jan-16
Regulatory Small RNA	MicroRNA-mRNA Pairs Associated with Outcome in AML: From In Vitro Cell-Based Studies to AML Patients.	Bhise N.S. et. al.	Frontiers in Pharmacology	[Epub]	28-Jan-16
Other Species	Aberrant Activation of p38 MAP Kinase-Dependent Innate Immune Responses is Toxic to Caenorhabditis elegans.	Cheesman H.K. et. al.	Genes, Genomics, Genetics	[Epub]	27-Jan-16
Immunology	Btk inhibition treats TLR7/IFN driven murine lupus.	Bender A.T. et. al.	Clin. Immunol.	[Epub]	25-Jan-16
Other Species	Combinatorial hydrogel library enables identification of materials that mitigate the foreign body response in primates.	Vegas A.J. et. al.	Nat. Biotech	[Epub]	25-Jan-16
Oncology Fusions	ALK, ROS1 and RET Rearrangements in Lung Squamous Cell Carcinoma Are Very Rare.	Zhao, W., et.. al.	Lung Cancer	[Epub]	21-Jan-16
Signatures	Pheo-type: a diagnostic gene-expression assay for the classification of pheochromocytoma and paraganglioma.	Flynn A. et. al.	J Clin Endocrinol Metab.	[Epub]	21-Jan-16
Immunology	Induction of Monocyte Chemoattractant Proteins in Macrophages via the Production of Granulocyte/Macrophage Colony-Stimulating Factor by Breast Cancer Cells	Yoshimura, T., et. al.	Frontiers in Immunology	[Epub]	20-Jan-16
Diabetes	A Treg gene signature is a specific and sensitive biomarker to identify children with new onset type 1 diabetes	Pesenacker, A. M., et. al.	Diabetes	[Epub]	19-Jan-16
NeuroBiology	Transcriptional Mechanisms Underlying Sensitization of Peripheral Sensory Neurons by Granulocyte-/Granulocyte-Macrophage Colony Stimulating Factors.	Bali, K. K., et. al.	Molecular Pain	[Epub]	16-Jan-16
Oncology	Functional Genomic Landscape of Human Breast Cancer Drivers, Vulnerabilities, and Resistance.	Marcotte, R., et. al.	Cell	[Epub]	14-Jan-16
Immuno-oncology	Tumor infiltrating plasma cells are associated with tertiary lymphoid structures, cytolytic T cell responses, and superior prognosis in ovarian cancer.	Kroeger, D. R., et. al.	Clin. Cancer Res.	[Epub]	13-Jan-16
Biofluids	The Host Shapes the Gut Microbiota via Fecal MicroRNA	Liu, S., et. al.	Cell Host and Microbe	[Epub]	13-Jan-16
Immunology	In vivo Cigarette Smoke Exposure Decreases CCL20, SLPI, and BD-1 Secretion by Human Primary Nasal Epithelial Cells	Jukosky, J., et. al.	Frontiers in Pyschiatry	[Epub]	13-Jan-16

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Pathogens	Gene Expression Profiling of Infecting Microbes Using a Digital Bar-coding Platform.	Wu, W., et. al.	J. Vis. Exp.	[Epub]	13-Jan-16
Oncology	Low CSC marker expression and low hypoxia identify good prognosis subgroups in HPV(-)HNSCC after postoperative radiochemotherapy: a multicenter study of the DKTK-ROG.	Linge, A., et. al.	Clin. Can. Res.	[Epub]	11-Jan-16
Other Species	Characterization of RNA helicase CshA and its role in protecting mRNAs and sRNAs of Staphylococcus aureus strain Newman	Kim, S., et. al.	Infection and Immunity	[Epub]	11-Jan-16
Regulatory Small RNA	MicroRNA profiles in colorectal carcinomas, adenomas, and normal colonic mucosa: variations in miRNA expression and disease progression	Slattery, M. L., et. al.	Carcinogenesis	[Epub]	6-Jan-16
Oncology	PAM50 gene signatures and breast cancer prognosis with adjuvant anthracycline- and taxane-based chemotherapy: correlative analysis of C9741 (Alliance)	Liu, M. C., et. al.	Breast Cancer	[Epub]	6-Jan-16
Methods	Multiplexed Color-Coded Probe-Based Gene Expression Assessment for Clinical Molecular Diagnostics in Formalin-Fixed Paraffin-Embedded Human Renal Allograft Tissue.	Adam, B., et. al.	Clin. Transplant.	[Epub]	5-Jan-16
Immuno-oncology	The expression quantitative trait loci in immune pathways and their effect on cutaneous melanoma prognosis.	Vogelsang, M., et. al.	Clin. Can. Res.	[Epub]	5-Jan-16
Immunology	Identification of a novel mechanism of action of fingolimod (FTY720) on human effector T cell function through TCF-1 upregulation	Mazzola, M. A., et. al.	J. Neuroinflammation	[Epub]	30-Dec-15
Immunology	Modulation of post-stroke degenerative and regenerative processes and subacute protection by site-targeted inhibition of the alternative pathway of complement.	Alawieh, A., et. al.	J. Neuroinflammation	[Epub]	30-Dec-15
Other Species	Expression patterns of inflorescence- and sex-specific transcripts in male and female inflorescences of African oil palm (<i>Elaeis guineensis</i>)	Ho, H., et. al.	Annals of Applied Biology	[Epub]	28-Dec-15
Stem Cell Technology	Complement proteins C7 and CFH control the stemness of liver cancer cells via LSF-1	Seol, H. S., et. al.	Cancer Lett.	[Epub]	23-Dec-15
Immuno-oncology	Activation of IFN/STAT1 signalling predicts response to chemotherapy in oestrogen receptor-negative breast cancer.	Legrier, M-E., et. al.	Br. J. Cancer	[Epub]	22-Dec-15
Oncology	A phase II trial to evaluate the efficacy of fostamatinib in patients with relapsed or refractory diffuse large B-cell lymphoma (DLBCL).	Flinn, I. W., et. al.	Eur. J. Can	[Epub]	20-Dec-15
Oncology Fusions	Multiplex Diagnosis of Oncogenic Fusion and MET Exon Skipping by Molecular Counting Using Formalin-Fixed Paraffin Embedded Lung Adenocarcinoma Tissues	Sunami, K., et. al.	J. Thoracic Oncol.	[Epub]	19-Dec-15

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Oncology	Hemorrhagic presentations of cerebellar pilocytic astrocytomas in children resulting in death: report of 2 cases.	Wilson, M. P., et. al.	J. Neurosurg Pediatr.	[Epub]	18-Dec-15
NeuroBiology	Response and survival of breast cancer intrinsic subtypes following multi-agent neoadjuvant chemotherapy.	Prat, A., et. al.	BMC. Med.	[Epub]	18-Dec-15
Immunology	Type I Interferon Transcriptional Signature in Neutrophils and Low-Density Granulocytes Are Associated with Tissue Damage in Malaria	Rocha, B. C., et. al.	Cell Reports	[Epub]	17-Dec-15
Biofluids	Detection of Exosomal miRNAs in the Plasma of Melanoma Patient.	Pfeffer, S., et. al.	J. Clin. Med.	[Epub]	17-Dec-15
Regulatory Biology	Loss of Endometrial Plasticity in Recurrent Pregnancy Loss	Lucas, E. S., et. al.	Stem Cells	[Epub]	17-Dec-15
Oncology	Treatment of Triple-Negative Breast Cancer with TORC1/2 Inhibitors Sustains a Drug-Resistant and Notch-Dependent Cancer Stem Cell Population	Bhola, N. E., et. al.	Cancer Res.	[Epub]	16-Dec-15
Diabetes	Integrative mRNA-microRNA analyses reveal novel interactions related to insulin sensitivity in human adipose tissue.	Kirby, J. T., et. al.	Physiological Genomics	[Epub]	15-Dec-15
Regulatory Biology	Pharmacological Inhibition of O-GlcNAcase Does Not Increase Sensitivity of Glucocorticoid Receptor-Mediated Transrepression	Stivers, P. J., et. al.	PLoS ONE		15-Dec-15
Regulatory Biology	Regulation of neural gene transcription by optogenetic inhibition of the RE1-silencing transcription factor.	Paonessa, F., et. al.	PNAS	[Epub]	15-Dec-15
Immunology	Proinflammatory gene expression in patients undergoing mitral valve surgery and Maze ablation for atrial fibrillation	Tsai, F-C., et. al.	J. Thoracic and Cardiovascular Surgery	[Epub]	13-Dec-15
Other Species	dbl-1/TGF- β and daf-12/NHR Signaling Mediate Cell-Nonautonomous Effects of daf-16/FOXO on Starvation-Induced Developmental Arrest.	Kaplan, R. E., et. al.	PLoS Genetics	[Epub]	11-Dec-15
Immunology	Transcriptome profiling of human FoxP3 + regulatory T cells	Bhairavabhotla, R., et. al.	Human Immunology	[Epub]	10-Dec-15
Other Species	The Cytokinin Response Factors modulate root and shoot growth and promote leaf senescence in Arabidopsis	Raines, T., et. al.	The Plant J.	[Epub]	10-Dec-15
Oncology	High Expression of MicroRNA-196a Indicates Poor Prognosis in Resected Pancreatic Neuroendocrine Tumor.	Lee Y.S. et. al.	Medicine	[Epub]	9-Dec-15
Oncology	NOVA1 inhibition by miR-146b-5p in the remnant tissue microenvironment defines occult residual disease after gastric cancer removal.	Yoon, S. O., et. al.	Oncotarget	[Epub]	9-Dec-15
Regulatory Small RNA	Analysis of miRNA in Normal Appearing White Matter to Identify Altered CNS Pathways in Multiple Sclerosis.	Guerau-de-Arellano, M., et. al.	J of Autoimmune Disorders	[Epub]	5-Dec-15

CATEGORY	TITLE	AUTHOR(S)	PUBLICATION	PAGE	DATE
Other Species	Analysis of Microtubule-Associated-Proteins during IBA-Mediated Adventitious Root Induction Reveals KATANIN Dependent and Independent Alterations of Expression Patterns	Abu-Abied M. et. al.	PLoS ONE	[Epub]	3-Dec-15
Other Species	Targeted gene enrichment and high throughput sequencing for environmental biomonitoring: a case study using freshwater macroinvertebrates	Dowle, E. J., et. al.	Molecular Ecology Resources	[Epub]	3-Dec-15
Oncology	The MDM2 Inhibitor NVP-CGM097 Is Highly Active in a Randomized Preclinical Trial of B-Cell Acute Lymphoblastic Leukemia Patient Derived Xenografts.	Townsend, E. C., et. al.	Blood	[Epub]	3-Dec-15
Other Species	Revised Morning Loops of the Arabidopsis Circadian Clock Based on Analyses of Direct Regulatory Interactions	Adams, S., et. al.	PLoS ONE	[Epub]	1-Dec-15
Biofluids	Analytical Performance of Nanostring's Companion Diagnostic (CDx) Lymphoma Subtyping Test (LST) with Diffuse Large B-Cell Lymphoma Core Needle Biopsy Samples.	Storhoff, J., et. al.	Blood	[Epub]	1-Dec-15
Skin Disease	Tyrosinase Depletion Prevents the Maturation of Melanosomes in the Mouse Hair Follicle	Paterson, E. K., et. al.	PLoS ONE	[Epub]	30-Nov-15
Panels	A Prospective Comparison of the 21-Gene Recurrence Score and the PAM50-Based Prosigna in Estrogen Receptor-Positive Early-Stage Breast Cancer.	Alvarado, M. D., et. al.	Adv Ther.	[Epub]	26-Nov-15
Oncology	Pediatric thalamic tumors in the MRI era: a Canadian perspective.	Steinbok, P., et. al.	Childs Nerve Sys.	[Epub]	26-Nov-15
Regulatory Small RNA	Multi-platform microRNA profiling of hepatoblastoma patients using formalin fixed paraffin embedded archival samples.	Leichter, A. L., et. al.	Gigascience	[Epub]	25-Nov-15
Immunology	Promotion of Inflammatory Arthritis by Interferon Regulatory Factor 5 in a Mouse Model.	Duffau, P., et. al.	Arthritis and Rheumatology	[Epub]	25-Nov-15
Oncology	Hypoxia-activated prodrug TH-302 targets hypoxic bone marrow niches in pre-clinical leukemia models.	Benito, J., et. al.	Clin. Can. Res.	[Epub]	24-Nov-15
Oncology	MicroRNA profiles of Barrett's esophagus and esophageal adenocarcinoma: Differences in glandular non-native epithelium.	Drahos, J., et. al.	Cancer Epidemiology, Biomarkers and Prevention	[Epub]	24-Nov-15
Copy Number Variant	Lipid levels in HIV-positive men receiving anti-retroviral therapy are not associated with copy number variation of reverse cholesterol transport pathway genes.	Marino, R. B., et. al.	BMC Res Notes	[Epub]	21-Nov-15
Methods	High-Resolution Genomic Profiling of Disseminated Tumor Cells in Prostate Cancer.	Wu, Y., et. al.	J. Mol. Diag.	[Epub]	20-Nov-15
Immunology	CD5L/AIM Regulates Lipid Biosynthesis and Restrains Th17 Cell Pathogenicity	Wang, C., et. al.	Cell	[Epub]	19-Nov-15

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Liver Disease	Dectin-1 Regulates Hepatic Fibrosis and Hepatocarcinogenesis by Suppressing TLR4 Signaling Pathways	Sefert, L., et. al.	Cell Reports	[Epub]	19-Nov-15
Liver Disease	Endogenous hepatic glucocorticoid receptor signaling coordinates sex-biased inflammatory gene expression.	Quinn, M. A., et. al.	FASEB J.	[Epub]	18-Nov-15
Immunology	Characterising the immune profile of the kidney biopsy at lupus nephritis flare differentiates early treatment responders from non-responders.	Parikh, S. V., et. al.	Lupus Sci Med	[Epub]	18-Nov-15
Immunology	DNA-Containing Immunocomplexes Promote Inflammasome Assembly and Release of Pyrogenic Cytokines by CD14+ CD16+CD64 CD32 Inflammatory Monocytes from Malaria Patients.	Hirako, I. C., et. al.	mBio	[Epub]	17-Nov-15
Immunology	Differential expression of the eicosanoid pathway in patients with localized or mucosal cutaneous leishmaniasis.	Franca-Costa, J., et. al.	J. Infect. Dis.	[Epub]	17-Nov-15
Immuno-oncology	Comprehensive functional characterization of cancer-testis antigens defines obligate participation in multiple hallmarks of cancer.	Maxfield, K. E., et. al.	Nat. Commun.	[Epub]	16-Nov-15
Regulatory Small RNA	microRNA classifiers are powerful diagnostic/ prognostic tools in ALK-, EGFR-, and KRAS-driven lung cancer.	Gasparini, P., et. al.	PNAS	[Epub]	16-Nov-15
Biofluids	MicroRNA molecular profiling from matched tumor and bio-fluids in bladder cancer.	Armstrong, D. A., et. al.	Mol. Cancer	[Epub]	14-Nov-15
Immunology	The impact of HLA class I and EBV latency-II antigen-specific CD8 T cells on the pathogenesis of EBV Hodgkin lymphoma.	Jones, K., et. al.	Clin. & Exp. Immunol.	[Epub]	13-Nov-15
Methods	Analytical Performance Characteristics of the Cepheid GeneXpert Ebola Assay for the Detection of Ebola Virus.	Pinksky, B. A., et. al.	PLoS ONE	[Epub]	12-Nov-15
Liver Disease	Molecular subclasses of hepatocellular carcinoma predict sensitivity to fibroblast growth factor receptor inhibition.	Schmidt, B., et. al.	Int. J. Cancer	[Epub]	9-Nov-15
Regulatory Small RNA	Reprogramming of Polycomb-Mediated Gene Silencing in Embryonic Stem Cells by the miR-290 Family and the Methyltransferase Ash1l	Kanellopoulou, C., et. al.	Stem Cell Reports	[Epub]	5-Nov-15
Oncology	Uninterrupted sedentary behavior downregulates BRCA1 gene expression.	Pettapiece-Phillips, R., et. al.	Cancer Prevention Res.	[Epub]	2-Nov-15
Copy Number Variant	Determining multiallelic complex copy number and sequence variation from high coverage exome sequencing data.	Forni, D., et. al.	BMC. Genomics	[Epub]	2-Nov-15
Immunology	Changes in T-cell subsets identify responders to FcR non-binding anti-CD3 mAb (teplizumab) in patients with Type 1 diabetes.	Tooley, J. E., et. al.	Eur. J. Immunol.	[Epub]	31-Oct-15

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Immuno-oncology	RAS/MAPK activation is associated with reduced tumor-infiltrating lymphocytes in triplenegative breast cancer: therapeutic cooperation between MEK and PD-1/PD-L1 immune checkpoint inhibitors.	Loi, S., et. al.	Clin. Cancer Res.	[Epub]	29-Oct-15
Biofluids	Mucosal production of uric acid by airway epithelial cells contributes to particulate matter-induced allergic sensitization.	Gold, M. J., et. al.	Mucosal Immunology	[Epub]	28-Oct-15
Immunology	RNA sensing by conventional dendritic cells is central to the development of lupus nephritis.	Celhar, T., et. al.	PNAS	[Epub]	28-Oct-15
Immunology	Modulation of Innate Immune Responses Covalently Linked TLR Agonists.	Tom, J. K., et. al.	ACS	[Epub]	28-Oct-15
Regulatory Biology	Protein-leucine Ingestion Activates a Regenerative Inflammo-Myogenic Transcriptome in Skeletal Muscle Following Intense Endurance Exercise.	Rowlands, D. S., et. al.	Physiological Genomics	[Epub]	27-Oct-15
Formalin-Fixed Paraffin-Embedded	MicroRNA-33-dependent regulation of macrophage metabolism directs immune cell polarization in atherosclerosis	Ouimet, M., et. al.	JCI	[Epub]	26-Oct-15
Oncology	Leptin, BMI, and a Metabolic Gene Expression Signature Associated with Clinical Outcome to VEGF Inhibition in Colorectal Cancer.	Pommier, A. J., et. al.	Cell Metabolism	[Epub]	26-Oct-15
NeuroBiology	Rapid generation of sub-type, region-specific neurons and neural networks from human pluripotent stem cell-derived neurospheres	Begum, A. N., et. al.	Stem Cell Res.	[Epub]	24-Oct-15
Oncology	Complexity of FGFR signalling in metastatic urothelial cancer.	Rodriguez-Vida, A., et. al.	J. Hematol. and Oncol.	[Epub]	24-Oct-15
Regulatory Small RNA	Cross platform analysis of methylation, miRNA and stem cell gene expression data in germ cell tumors highlights characteristic differences by tumor histology.	Poynter, J. N., et. al.	Br. J. Cancer	[Epub]	23-Oct-15
Regulatory Biology	Cancer-Associated SF3B1 Hotspot Mutations Induce Cryptic 3' Splice Site Selection through Use of a Different Branch Point.	Darman, R. B., et. al.	Cell Reports	[Epub]	22-Oct-15
Immunology	Differential Gene Expression in Human, Murine, and Cell Line-derived Macrophages upon Polarization.	Spiller, K. L., et. al.	Exp. Cell Res.	[Epub]	21-Oct-15
Methods	Ultrasound-mediated gastrointestinal drug delivery.	Schoellhammer, C. M., et. al.	Science Translational Medicine	[Epub]	21-Oct-15
Liver Disease	Non-alcoholic Steatohepatitis is Associated with Increased Mortality in Obese Patients Undergoing Bariatric Surgery.	Goossens, N., et. al.	Clinical Gastroneterology and Hepatology	[Epub]	20-Oct-15
Methods	Pathogen Gene Expression Profiling During Infection Using a NanoString nCounter Platform.	Wu, W., et. al.	Meth. Mol. Biol.	[Epub]	20-Oct-15
Immuno-oncology	Characterization of novel biomarkers in selecting for subtype specific medulloblastoma phenotypes.	Liang, L., et. al.	Oncotarget	[Epub]	20-Oct-15

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Oncology	Exploratory biomarker analysis for treatment response in KRAS wild type metastatic colorectal cancer patients who received cetuximab plus irinotecan.	Kim, S. T., et. al.	Br. J. Cancer	[Epub]	20-Oct-15
Panels	Mutational profiling of brain metastasis from breast cancer: matched pair analysis of targeted sequencing between brain metastasis and primary breast cancer.	Lee, J. Y., et. al.	Oncotarget	[Epub]	20-Oct-15
Elements	Continuously tunable nucleic acid hybridization probes	Wu, L. R., et. al.	Nature Methods	[Epub]	19-Oct-15
Panels	Peripheral Blood Mononuclear Cell Gene Expression Remains Broadly Altered Years after Successful Interferon-Based Hepatitis C Virus Treatment.	Waldron, P. R., et. al.	J. Immunol. Res.	[Epub]	19-Oct-15
Immuno-oncology	Differential T-cell Subset Representation in Cutaneous Squamous Cell Carcinoma Arising in Immunosuppressed vs. Immunocompetent Individuals.	Feldmeyer, L., et. al.	Exp. Dermatol.	[Epub]	18-Oct-15
Immunology	Sexual Dimorphism in the Th17 Signature of Ankylosing Spondylitis.	Gracey, E., et. al.	Arthritis Rheumatol.	[Epub]	16-Oct-15
Oncology Fusions	Decoding Tumor Phenotypes for ALK, ROS1, and RET Fusions in Lung Adenocarcinoma Using a Radiomics Approach.	Yoon, H. J., et. al.	Medicine	[Epub]	16-Oct-15
Regulatory Biology	The Effector Domain of MARCKS Is a Nuclear Localization Signal that Regulates Cellular PIP2 Levels and Nuclear PIP2 Localization.	Rohrbach, T. D., et. al.	PLoS ONE	[Epub]	15-Oct-15
Oncology	Selecting molecular therapeutic drug targets based on the expression profiles of intrahepatic cholangiocarcinomas and miRNA-mRNA regulatory networks.	Sun, B., et. al.	Oncology Rep.	[Epub]	15-Oct-15
Other Species	Molecular Genetic Response to Varied Wavelengths of Light in Xiphophorus maculatus Skin.	Chang, J., et. al.	Comparative Biochem and Physiol.	[Epub]	14-Oct-15
Pan Cancer Panels	Small Molecule Microarrays Enable the Identification of a Selective, Quadruplex-Binding Inhibitor of MYC Expression.	Felsenstein, K. M., et. al.	American Chemical Society	[Epub]	13-Oct-15
Oncology	ASCT2/SLC1A5 controls glutamine uptake and tumour growth in triple-negative basal-like breast cancer.	Van Geldermalsen, M., et. al.	Oncogene	[Epub]	12-Oct-15
Other Species	Clock-Controlled Regulation of the Acute Effects of Norepinephrine on Chick Pineal Melatonin Rhythms.	Li, Y., et. al.	J. Biological Rhythms	[Epub]	11-Oct-15
Regulatory Small RNA	Reduced miR-512 and the Elevated Expression of Its Targets cFLIP and MCL1 Localize to Neurons With Hyperphosphorylated Tau Protein in Alzheimer Disease	Mezache, A., et. al.	Appl. Immunohistochem Mol Morph.	[Epub]	9-Oct-15
Oncology	Phase II clinical and exploratory biomarker study of dacomitinib in recurrent and/or metastatic esophageal squamous cell carcinoma.	Kim, H. S., et. al.	Oncotarget	[Epub]	9-Oct-15

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Oncology	Orally administered colony stimulating factor 1 receptor inhibitor PLX3397 in recurrent glioblastoma: an Ivy Foundation Early Phase Clinical Trials Consortium phase II study	Butowski, N., et. al.	Neuro-Oncol.	[Epub]	8-Oct-15
Other Species	An extended family of novel vertebrate photopigments is widely expressed and displays a diversity of function.	Davis, W. I., et. al.	Genome Research	[Epub]	8-Oct-15
Oncology	ALDH1A1 mRNA expression in association with prognosis of triple-negative breast cancer.	Liu, Y., et. al.	Oncotarget	[Epub]	8-Oct-15
Immunology	ST2 blockade reduces sST2-producing T cells while maintaining protective mST2-expressing T cells during graft-versus-host disease.	Zhang, J., et.. al.	Science Translational Medicine	[Epub]	7-Oct-15
NeuroBiology	Novel clinical associations with specific C9ORF72 transcripts in patients with repeat expansions in C9ORF72.	Blitterswijk, M. V., et. al.	Acta Neuropathica	[Epub]	5-Oct-15
Immuno-oncology	Ratios of T-cell immune effectors and checkpoint molecules as prognostic biomarkers in diffuse large B-cell lymphoma: a population-based study.	Keane, C., et. al.	Lancet Hematology	[Epub]	3-Oct-15
Oncology Fusions	Clinical Application of Prognostic Gene Expression Signature in Fusion Gene-Negative Rhabdomyosarcoma: A Report from the Children's Oncology Group.	Hingorani, P., et. al.	Clin. Cancer Res.	[Epub ahead of print]	1-Oct-15
Other Species	Expression Divergence of Chemosensory Genes between Drosophila sechellia and Its Sibling Species and Its Implications for Host Shift	Shiao M-S. et. al.	Genome Biol and Evol.	[Epub]	1-Oct-15
Regulatory Biology	Loss of Endometrial Plasticity in Recurrent Pregnancy Loss	Lucas, E. S., et. al.	Stem Cells	[Epub]	30-Sep-15
Regulatory Small RNA	Aberrant Level of miRNAs in Bone Marrow Microenvironment and Peripheral Blood of Myeloma Patients and Disease Progression.	Wang, W., et. al.	J. Mol. Diag.	[Epub]	30-Sep-15
Oncology	Selective coexpression of VEGF receptor 2 in EGFRvIII-positive glioblastoma cells prevents cellular senescence and contributes to their aggressive nature.	Jones, K. A., et. al.	Neuro-oncology	[Epub]	29-Sep-15
Colon	The Viral Mimetic Polyinosinic:Polycytidylic Acid Alters the Growth Characteristics of Small Intestinal and Colonic Crypt Cultures.	Davis, J. M., et. al.	PLoS ONE	[Epub]	28-Sep-15
Immunology	A Gene Expression Signature That Correlates with CD8 T Cell Expansion in Acute EBV Infection	Greenough, T. C., et. al.	Eur. J. Immunol.	[Epub]	28-Sep-15
Immunology	TIGIT predominantly regulates the immune response via regulatory T cells .	Kurtulus, S., et. al.	JCI	[Epub]	28-Sep-15
Immunology	IL-21R signaling is critical for induction of spontaneous experimental autoimmune encephalomyelitis	Lee, Y., et. al.	JCI	[Epub]	28-Sep-15

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Regulatory Small RNA	HDAC inhibitor AR-42 decreases CD44 expression and sensitizes myeloma cells to lenalidomide.	Canella, A., et. al.	Oncotarget	[Epub]	25-Sep-15
Immunology	HIV-tuberculosis-associated immune reconstitution inflammatory syndrome is characterized by Toll-like receptor and inflammasome signalling.	Lai, R. P., et. al.	Nat Commun.	[Epub]	24-Sep-15
Immunology	RIPK1 and NF- κ B signaling in dying cells determines cross-priming of CD8 ⁺ T cells.	Yatim, N., et. al.	Science	[Epub]	24-Sep-15
Other Species	YAP controls retinal stem cell DNA replication timing and genomic stability.	Caboche P. et. al.	eLife	[Epub]	22-Sep-15
Other Species	Characterization of a Novel Hepadnavirus in the White Sucker (<i>Catostomus commersonii</i>) from the Great Lakes Region of the United States.	Hahn C.M. et. al.	J. Virol.	[Epub]	16-Sep-15
NeuroBiology	Altered WNT Signaling in Human Induced Pluripotent Stem Cell Neural Progenitor Cells Derived from Four Schizophrenia Patients.	Topol, A., et. al.	Biological Psychiatry	[Epub]	15-Sep-15
NeuroBiology	Variable telomere length across post-mortem human brain regions and specific reduction in the hippocampus of major depressive disorder.	Mamdani F. et. al.	Trans. Psychiatry	[Epub]	15-Sep-15
Methods	Role of Gene Expression Profiling in Cytologically Indeterminate Thyroid Nodules	Basola F. et. al.	J. Basic and Clin. Med.	[Epub]	15-Sep-15
Oncology	The histone lysine methyltransferase KMT2D sustains a gene expression program that represses B cell lymphoma development.	Ortega-Molina, A., et. al.	Nat. Med.	[Epub]	14-Sep-15
Immunology	Deletion of CTLA-4 on regulatory T cells during adulthood leads to resistance to autoimmunity.	Paterson, A. M., et. al.	JEM	[Epub]	14-Sep-15
Other Species	Replication timing is regulated by the number of MCMs loaded at origins	Das, S., et. al.	Genome Res.	[Epub]	10-Sep-15
Oncology	A four gene signature predicts benefit from anthracyclines: evidence from the BR9601 and MA.5 clinical trials.	Spears, M., et. al.	Oncotarget	[Epub]	10-Sep-15
Oncology	Approaches to isolation and molecular characterization of disseminated tumor cells.	Magbanua, M. J., et. al.	Oncotarget	[Epub]	10-Sep-15
Copy Number Variant	The NEXT-1 (Next generation personalized tx with mulTi-omics and preclinical model) trial: prospective molecular screening trial of metastatic solid cancer patients, a feasibility analysis.	Kim, S-T., et. al.	Oncotarget		9-Sep-15
Regulatory Biology	Cerebellar c9RAN proteins associate with clinical and neuropathological characteristics of C9ORF72 repeat expansion carriers.	Gendron, T. F., et. al.	Acta Neuropathol.	[Epub]	8-Sep-15
Regulatory Small RNA	Sarcoma Cell Line Screen of Oncology Drugs and Investigational Agents Identifies Patterns Associated with Gene and microRNA Expression.	Teicher B. A., et. al.	Molecular Cancer Therapeutics	[Epub]	8-Sep-15

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Immunology	Inflammatory Gene Networks in Term Human Decidual Cells Define A Potential Signature For Cytokine-Mediated Parturition.	Ibrahim, S. A., et. al.	Am. J. Obs & Gynecol.	[Epub]	5-Sep-15
Other Species	Studies of tomato plants in response to infections with PVX and different PVY isolates reveal a remarkable PVX-PVY synergism and diverse expression profiles of genes involved in different pathways.	Liang, Z., et. al.	Eur. J. Plant Pathology	[Epub]	5-Sep-15
Other Species	Exposure to Fluorescent Light Triggers Down Regulation of Genes Involved with Mitotic Progression in Xiphophorus Skin.	Walter, R. B., et. al.	Comparative Biochemistry and Physiology	[Epub]	1-Sep-15
Regulatory Small RNA	MicroRNA network changes in the brain stem underlie the development of hypertension.	Dicicco, D., et. al.	Physiol. Genomics	[Epub]	1-Sep-15
Regulatory Biology	Frequency Modulated Translocational Oscillations of Nrf2 Mediate the Antioxidant Response Element Cytoprotective Transcriptional Response.	Xue, M., et. al.	Antiox Redox Signal.	[Epub]	1-Sep-15
Regulatory Small RNA	Microbial Disruption of Autophagy Alters Expression of the RISC Component AGO2, a Critical Regulator of the miRNA Silencing Pathway.	Sibony, M., et. al.	Inflamm Bowel Dis.	[Epub]	31-Aug-15
Liver Disease	Human liver-resident CD56(bright)/CD16(neg) NK cells are retained within hepatic sinusoids via the engagement of CCR5 and CXCR6 pathways.	Hudspeth, K., et. al.	Journal of Autoimmunity	[Epub]	30-Aug-15
Other Species	Mitochondrial Activity and Cyr1 Are Key Regulators of Ras1 Activation of C. albicans Virulence Pathways.	Grahl, N., et. al.	PLoS Pathogens	[Epub]	28-Aug-15
Diabetes	Comparative Genomic, MicroRNA, and Tissue Analyses Reveal Subtle Differences between Non-Diabetic and Diabetic Foot Skin.	Ramirez, H. A., et. al.	PLoS ONE	[Epub]	28-Aug-15
Immunology	Interferon Regulatory Factor 5 Promotes Inflammatory Arthritis.	Duffau, P., et. al.	Arthritis Rheumatol.	[Epub]	28-Aug-15
Methods	Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium.	Laurent, L. C., et. al.	J. Extracell. Vesicles.	[Epub]	28-Aug-15
Regulatory Small RNA	Extracellular RNAs: development as biomarkers of human disease.	Quinn, J. F., et. al.	J. Extracell Vesicles.	[Epub]	28-Aug-15
Copy Number Variant	Ethnicity-Dependent and -Independent Heterogeneity in Healthy Normal Breast Hierarchy Impacts Tumor Characterization.	Nakshatri, H., et. al.	Sci. Rep.	[Epub]	27-Aug-15
Biofluids	Plasma MicroRNAs as Novel Biomarkers for Patients with Intraductal Papillary Mucinous Neoplasms of the Pancreas.	Permuth-Wey, J., et. al.	Cancer Prevention Res.	[Epub]	27-Aug-15
Biofluids	Processing of voided urine for prostate cancer RNA biomarker analysis.	Quek, S-I., et. al.	The Prostate	[Epub]	26-Aug-15
Regulatory Small RNA	The Role of MicroRNAs and Human Epidermal Growth Factor Receptor 2 in Proliferative Lupus Nephritis.	Costa-Reis, P., et. al.	Arthritis and Rheumatol.	[Epub]	26-Aug-15

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Other Species	Fungal endophyte infection of ryegrass reprograms host metabolism and alters development.	Dupont, P-Y., et. al.	New Phytologist	[Epub]	25-Aug-15
Oncology	Cell of origin of transformed follicular lymphoma	Kridel, R., et. al.	Blood	[Epub]	25-Aug-15
Regulatory Biology	Distinct E-cadherin-based complexes regulate cell behaviour through miRNA processing or Src and p120 catenin activity.	Kourtidis, A., et. al.	NCB	[Epub]	24-Aug-15
Methods	Development and verification of the PAM50-based Prosigna breast cancer gene signature assay.	Wallden, B., et. al.	BMC Med Genomics		22-Aug-15
Immunology	Interferon γ -inducible protein (IFI) 16 transcriptionally regulates type I interferons and other interferon-stimulated genes and controls the interferon response to both DNA and RNA viruses.	Thompson, M. R., et. al.	JBC	[Epub]	22-Aug-15
Other Species	RNA-Seq Analysis of Abdominal Fat Reveals Differences between Modern Commercial Broiler Chickens with High and Low Feed Efficiencies	Zhuo, Z., et. al.	PLoS ONE	[Epub]	21-Aug-15
NeuroBiology	Genomic DISC1 Disruption in hiPSCs Alters Wnt Signaling and Neural Cell Fate	Srikanth, P., et. al.	Cell reports	[Epub]	20-Aug-15
Regulatory Biology	Functional equivalence of an evolutionarily conserved RNA binding module.	Wells, M. L., et. al.	JBC	[Epub]	19-Aug-15
Biofluids	The human glioblastoma cell culture resource: validated cell models representing all molecular subtypes.	Xie, Y., et. al.	EbioMedicine	[Epub]	15-Aug-15
Immuno-oncology	Vaccine-induced tumor regression requires a dynamic cooperation between T cells and myeloid cells at the tumor site.	Thoreau, M., et. al.	Oncotarget	[Epub]	11-Aug-15
Other Species	Comparative transcriptional analysis provides new insights into the molecular basis of adventitious rooting recalcitrance in Eucalyptus.	Rodrigues de Almeida, M., et. al.	Plant Science	[Epub]	10-Aug-15
Oncology	Phase II Study of Bevacizumab, Temozolomide and Hypofractionated Stereotactic Radiotherapy for Newly Diagnosed Glioblastoma	Omuro, A., et. al.	Clin. Cancer Res.	[Epub]	8-Aug-15
Regulatory Small RNA	Exploring the associations between microRNA expression profiles and environmental pollutants in human placenta from the National Children's Study (NCS).	Li, Q., et. al.	Epigenetics	[Epub]	7-Aug-15
Other Species	Axud1 Integrates Wnt Signaling and Transcriptional Inputs to Drive Neural Crest Formation.	Simoes-Costa, M., et. al.	Developmental Cell	[Epub]	6-Aug-15
Oncology	Prognostic Fifteen-Gene Signature for Early Stage Pancreatic Ductal Adenocarcinoma.	Chen, D. T., et. al.	PLoS ONE	[Epub]	6-Aug-15
Biofluids	Assessment of Circulating MicroRNAs for the Diagnosis and Disease Activity Evaluation in Patients with Ulcerative Colitis by Using the Nanostring Technology	Polytarchou, C., et. al.	Inflammatory Bowel Disease	[Epub]	6-Aug-15

CATEGORY	TITLE	AUTHOR(S)	PUBLICATION	PAGE	DATE
Copy Number Variant	Automated, high-throughput derivation, characterization and differentiation of induced pluripotent stem cells.	Paull, D., et. al.	Nat. Methods	[Epub]	3-Aug-15
Oncology	Prognostic Significance of Diffuse Large B-Cell Lymphoma Cell of Origin Determined by Digital Gene Expression in Formalin-Fixed Paraffin-Embedded Tissue Biopsies.	Scott, D. W., et. al.	J. Clin. Oncol.	[Epub]	3-Aug-15
Skin Disease	A Longitudinal Biomarker for the Extent of Skin Disease in Patients with Diffuse Cutaneous Systemic Sclerosis.	Rice, L. M., et. al.	Arthritis Rheumatol.	[Epub]	3-Aug-15
NeuroBiology	Calorie Restriction Suppresses Age-Dependent Hippocampal Transcriptional Signatures.	Schafer, M. J., et. al.	PLoS ONE	[Epub]	1-Aug-15
Immunology	IL-21-driven neoplasms in SJL mice mimic some key features of human angioimmunoblastic T-cell lymphoma.	Jain, S., et. al.	Am. J. Pathol.	[Epub]	30-Jul-15
Immunology	Individuality and Variation of Personal Regulomes in Primary Human T Cells.	Qu, K., et. al.	Cell Systems	[Epub]	29-Jul-15
Toxicology	Transcriptional profiling of rat white adipose tissue response to 2,3,7,8-tetrachlorodibenzo-p-dioxin.	Houlahan, K. E., et. al.	Toxicology and Applied Pharmacology	[Epub]	29-Jul-15
NeuroBiology	Association between α -synuclein blood transcripts and early, neuroimaging-supported Parkinson's disease.	Locascio, J. J., et. al.	Brain	[Epub]	28-Jul-15
Developmental and Systems Biology	Logics and properties of a genetic regulatory program that drives embryonic muscle development in an echinoderm.	Andrikou, C., et. al.	eLife	[Epub]	28-Jul-15
Oncology	Clinical and pathological features of Burkitt lymphoma showing expression of BCL2 - an analysis including gene expression in formalin-fixed paraffin-embedded tissue.	Masque-Solar, N., et. al.	Br. J. Haematol.	[Epub]	27-Jul-15
Immunology	Peripheral Blood Mononuclear Cell Gene Expression Remains Broadly Altered Years after Successful Interferon-Based Hepatitis C Virus Treatment.	Waldron, P. R., et. al.	J. Immunol. Res.	[Epub]	26-Jul-15
Regulatory Biology	Targeting the mRNA-binding protein HuR impairs malignant characteristics of pancreatic ductal adenocarcinoma cells.	Jimbo, M., et. al.	Oncotarget	[Epub]	25-Jul-15
Formalin-Fixed Paraffin-Embedded	Robust gene expression and mutation analyses of RNA-sequencing of formalin-fixed diagnostic tumor samples.	Graw, S., et. al.	Sci. Reports	[Epub]	23-Jul-15
Liver Disease	LT β R signalling preferentially accelerates oncogenic AKT-initiated liver tumours.	Scarzello, A. J., et. al.	Gut	[Epub]	23-Jul-15
Oncology	Randomized, phase II, placebo-controlled trial of onartuzumab and/or bevacizumab in combination with weekly paclitaxel in patients with metastatic triple-negative breast cancer.	Dieras, V., et. al.	Annals of Oncology	[Epub]	22-Jul-15

PUBLICATIONS

List of nCounter® Publications

CATEGORY	TITLE	AUTHOR(S)	PUBLICATION	PAGE	DATE
Methods	TEtranscripts: A package for including transposable elements in differential expression analysis of RNA-seq datasets.	Jin, J., et. al.	Bioinformatics	[Epub]	22-Jul-15
Developmental and Systems Biology	Expression of imprinted genes in placenta is associated with infant neurobehavioral development	Green, B. B., et. al.	Epigenetics	[Epub]	22-Jul-15
Immunology	Keap1 regulates inflammatory signaling in Mycobacterium avium-infected human macrophages.	Awuh, J. A., et. al.	PNAS	[Epub]	20-Jul-15
Regulatory Small RNA	Repression of Esophageal Neoplasia and Inflammatory Signaling by Anti-miR-31 Delivery In Vivo.	Tacciolo, C., et. al.	JNCI	[Epub]	20-Jul-15
Other Species	Transposon Mutagenesis Paired with Deep Sequencing of Caulobacter crescentus under Uranium Stress Reveals Genes Essential for Detoxification and Stress Tolerance.	Yung, M. C., et. al.	J. Bacteriol.	[Epub]	20-Jul-15
Oncology	Hierarchical paracrine interaction of breast cancer associated fibroblasts with cancer cells via hMAPK-microRNAs to drive ER-negative breast cancer phenotype.	Shah, S. H., et. al.	Cancer Biology and Ther.	[Epub]	17-Jul-15
Developmental and Systems Biology	Placental expression profile of imprinted genes impacts birth weight	Kappil, M. A., et. al.	Epigenetics	[Epub]	17-Jul-15
Biofluids	Ectopic cross-talk between thyroid and retinoic acid signaling: A possible etiology for spinal neural tube defects.	Li, H., et. al.	Gene	[Epub]	16-Jul-15
Stem Cell Technology	Integrative Analyses of Human Reprogramming Reveal Dynamic Nature of Induced Pluripotency.	Cacciarelli, D., et. al.	Cell	[Epub]	16-Jul-15
Oncology	Clinical utility of the IHC4 C score in oestrogen receptor-positive early breast cancer: a prospective decision impact study.	Yeo, B., et. al.	Br. J. Cancer	[Epub]	16-Jul-15
Immuno-oncology	Patient-derived cell models as preclinical tools for genome-directed targeted therapy.	Lee, J. Y., et. al.	Oncotarget	[Epub]	16-Jul-15
Immunology	Cutting Edge: A Natural Antisense Transcript, AS-IL1 α , Controls Inducible Transcription of the Proinflammatory Cytokine IL-1 α .	Chan, J., et. al.	J. Immunol.	[Epub]	15-Jul-15
Oncology	MYC Is a Major Determinant of Mitotic Cell Fate.	Topham, C., et.. al.,	Cancer Cell	[Epub]	13-Jul-15
Regulatory Biology	Temporal order of RNase IIIb and loss-of-function mutations during development determines phenotype in DICER1 syndrome: a unique variant of the two-hit tumor suppression model.	Brenneman, A., et. al.	F1000 Science	[Epub]	10-Jul-15
Regulatory Biology	Functional compensation among HMGN variants modulates the DNase I hypersensitive sites at enhancers.	Deng, T., et. al.	Genome Res.	[Epub]	8-Jul-15
Copy Number Variant	A NOTCH1 Gene Copy Number Gain is a Prognostic Indicator of Worse Survival and a Predictive Biomarker to a Notch1 Targeting Antibody in Colorectal Cancer.	Arcaroli, J. J., et. al.	Int. J. Cancer	[Epub]	7-Jul-15

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Regulatory Small RNA	Differential expression of miRNAs and their relation to active tuberculosis.	Xu, Z., et. al.	Tuberculosis	Volume 95, Issue 4, July 2015, Pages 395-403	1-Jul-15
Immuno-oncology	Whole-transcriptome analysis links trastuzumab sensitivity of breast tumors to both HER2 dependence and immune cell infiltration.	Triulzi, T., et. al.	Oncotarget	[Epub]	1-Jul-15
Oncology	Patients With Proneural Glioblastoma May Derive Overall Survival Benefit From the Addition of Bevacizumab to First-Line Radiotherapy and Temozolomide: Retrospective Analysis of the AVAglio Trial	Sandmann, T., et. al.	J. Clinical Oncology	[Epub]	29-Jun-15
Oncology	CD10-positive mantle cell lymphoma: biologically distinct entity or an aberrant immunophenotype? Insight, through gene expression profile in a unique case series	Akhter, A., et. al.	J. Clinical Pathology	[Epub]	29-Jun-15
Liver Disease	Clinicopathological indices to predict hepatocellular carcinoma molecular classification.	Tan, P. S., et. al.	Liver Int.	[Epub]	29-Jun-15
Diabetes	Diabetogenic milieus induce specific changes in mitochondrial transcriptome and differentiation of human pancreatic islets.	Brun, T., et. al.	Hum Mol. Genet.	[Epub]	29-Jun-15
Oncology	A Role for Histone H2B Variants in Endocrine-Resistant Breast Cancer.	Nayak, S. R., et. al.	Horm Cancer	[Epub]	26-Jun-15
Immuno-oncology	Crosstalk between Tumor Cells and Macrophages in Stroma Renders Tumor Cells as the Primary Source of MCP-1/CCL2 in Lewis Lung Carcinoma.	Yoshimura, T., et. al.	Front. Immunol.	[Epub]	26-Jun-15
Oncology	Enrichment of the Cancer Stem Phenotype in Sphere Cultures of Prostate Cancer Cell Lines Occurs through Activation of Developmental Pathways Mediated by the Transcriptional Regulator Δ Np63 α .	Portillo-Lara, R., et. al.	PLoS ONE	[Epub]	25-Jun-15
Oncology	Body Mass Index, PAM50 Subtype, and Outcomes in Node-Positive Breast Cancer: CALGB 9741 (Alliance).	Ligibel, J. A., et. al.	J. Natl. Can. Inst.	[Epub]	25-Jun-15
Immunology	TLR3-Mediated CD8+ Dendritic Cell Activation Is Coupled with Establishment of a Cell-Intrinsic Antiviral State.	Szeles, L., et. al.	J. Immunol.	[Epub]	22-Jun-15
Methods	Fresolimumab treatment decreases biomarkers and improves clinical symptoms in systemic sclerosis patients.	Rice, L. M., et. al.	JCI	[Epub]	22-Jun-15
NeuroBiology	C-Terminally Truncated Forms of Tau, But Not Full-Length Tau or Its C-Terminal Fragments, Are Released from Neurons Independently of Cell Death.	Kanmert, D., et. al.	J. Neuroscience	[Epub]	22-Jun-15
Regulatory Small RNA	MicroRNA network changes in the brain stem underlie the development of hypertension.	DiCicco, D., et. al.	Physiol Genomics.	[Epub]	20-Jun-15
Regulatory Small RNA	A transgenic resource for conditional competitive inhibition of conserved Drosophila microRNAs.	Fulga, T. A., et. al.	Nat. Commun.	[Epub]	17-Jun-15

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Immunology	Immune system transcriptome in gingival tissues of young nonhuman primates.	Gonzalez, O. A., et. al.	J. Periodontal Res.	[Epub]	16-Jun-15
Cardiovascular	A background Ca entry pathway mediated by TRPC1/TRPC4 is critical for development of pathological cardiac remodeling.	Londono, J., et. al.	Eur. Heart Journal	[Epub]	15-Jun-15
Other Species	Links between Anr and quorum sensing in Pseudomonas aeruginosa biofilms.	Hammond, J., et. al.	J. Bacteriology	[Epub]	15-Jun-15
Oncology	Genomic landscape of adenoid cystic carcinoma of the breast.	Martelotto, L. G., et. al.	J. Pathology	[Epub]	12-Jun-15
Regulatory Small RNA	Particulate Air Pollution Exposure and Expression of Viral and Human MicroRNAs in Blood: The Beijing Truck Driver Air Pollution Study.	Hou, L., et. al.	Environ. Health Perspect.	[Epub]	12-Jun-15
Diabetes	DCIR2 cDC2 DCs and Zbtb32 Restore CD4 T-Cell Tolerance and Inhibit Diabetes	Price, J. D., et. al.	Diabetes	[Epub]	12-Jun-15
Regulatory Small RNA	Tumor tissue microRNA expression in association with triple-negative breast cancer outcomes.	Liu, Y., et. al.	Breast Can. Res. and Treat.	[Epub]	11-Jun-15
Oncology	Evaluating Robustness and Sensitivity of the NanoString Technologies nCounter Platform to Enable Multiplexed Gene Expression Analysis of Clinical Samples.	Veldman-Jones, M., et.. al.	Cancer Res.	[Epub]	11-Jun-15
Pathogens	Pathogen transcriptional profile in nasopharyngeal aspirates of children with Acute respiratory tract infection.	Fukutani, K. F., et. al.	J. Clinical Virology	[Epub]	10-Jun-15
NeuroBiology	Dietary glycemic index modulates the behavioral and biochemical abnormalities associated with autism spectrum disorder.	Currais, A., et. al.	Mol. Psychiatry	[Epub]	9-Jun-15
Immunology	Bone-Marrow-Resident NK Cells Prime Monocytes for Regulatory Function during Infection.	Askenase, M. H., et. al.	Immunity	[Epub]	9-Jun-15
Immunology	OX40 Ligand Contributes to Human Lupus Pathogenesis by Promoting T Follicular Helper Response	Jacquemin, C., et. al.	Immunity	[Epub]	9-Jun-15
Regulatory Small RNA	A set of NF-κB-regulated microRNAs induces acquired TRAIL resistance in lung cancer.	Jeon, Y-J., et. al.	PNAS	[Epub]	9-Jun-15
Oncology	Developing Molecular Signatures for Chronic Lymphocytic Leukemia.	Cornet, E., et.. al.	PLoS ONE	[Epub]	5-Jun-15
Immunology	The generation of macrophages with anti-inflammatory activity in the absence of STAT6 signaling.	Fleming, B. D., et. al.	J. Leukocyte Biol.	[Epub]	5-Jun-15
Immunology	The beneficial effects of a gas-permeable flask for expansion of Tumor-Infiltrating lymphocytes as reflected in their mitochondrial function and respiration capacity	Forget, M-A., et. al.	Oncolmmunology	[Epub]	5-Jun-15
Regulatory Small RNA	MicroRNA expression profiling predicts clinical outcome of carboplatin/paclitaxel-based therapy in metastatic melanoma treated on the ECOG-ACRIN trial E2603.	Villaruz, L. C., et. al.	Clin. Epigenetics	[Epub]	4-Jun-15

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Immunology	Pathogenic trans-differentiation of Th17 cells contribute to perpetuation of rheumatoid arthritis during anti-TNF treatment.	Andersson, K. M., et. al.	Mol. Med	[Epub]	4-Jun-15
Oncology	Somatic Copy Number Abnormalities and Mutations in PI3K/AKT/mTOR Pathway Have Prognostic Significance for Overall Survival in Platinum Treated Locally Advanced or Metastatic Urothelial Tumors.	Bellmunt, J., et. al.	PLoS ONE	[Epub]	3-Jun-15
Regulatory Small RNA	A cross comparison of technologies for the detection of microRNAs in clinical FFPE samples of hepatoblastoma patients.	Chatterjee, A., et. al.	Sci. Rep.	[Epub]	3-Jun-15
Oncology Fusions	Detection of chromosomal translocations in formalin-fixed paraffin-embedded (FFPE) leukemic specimens by digital expression profiling.	Liew, M., et. al.	Int. J. Lab. Hematol.	[Epub]	3-Jun-15
Regulatory Small RNA	The role of miRNAs and HER2 in proliferative lupus nephritis.	Costa-Reis, P., et.. al.	Arthritis and Rheumatology	[Epub]	2-Jun-15
Immunology	Insulin-resistant subjects have normal angiogenic response to aerobic exercise training in skeletal muscle, but not in adipose tissue.	Walton, G., et. al.	Physiological Reports	[Epub]	2-Jun-15
Methods	Expression of Cathepsins B, D and G in Infantile Hemangioma	Itinteang, T., et. al.	Frontiers in Surgery	[Epub]	2-Jun-15
Oncology	MYC amplifications in myeloma cell lines: correlation with MYC-inhibitor efficacy	Holien, T., et. al.	Oncotarget	[Epub ahead of print].	2-Jun-15
Immunology	Sleeping Beauty Transposition of Chimeric Antigen Receptors Targeting Receptor Tyrosine Kinase-Like Orphan Receptor-1 (ROR1) into Diverse Memory T-Cell Populations.	Deniger, D. C., et. al.	PLoS ONE	[Epub]	1-Jun-15
Regulatory Small RNA	Induction of miRNA-181a by genotoxic treatments promotes chemotherapeutic resistance and metastasis in breast cancer.	Niu, J., et. al.	Oncogene	[Epub]	1-Jun-15
Regulatory Small RNA	MicroRNA Expression Profile and the Role of miR-204 in Corneal Wound Healing.	An, J. ,et. al.	Invest. Ophthamol. Vis. Sci.	[Epub]	1-Jun-15
Immuno-oncology	Interleukin-4 Expressed By Neoplastic Cells Provokes an Anti-Metastatic Myeloid Immune Response.	Zhang, C. S., et. al.	J. Clinical & Cellular Immunol.	[Epub]	31-May-15
Methods	Digital gene expression profiling of a series of cytologically indeterminate thyroid nodules.	Giannini, R., et. al.	Cancer Cytopathology	[Epub]	29-May-15
Regulatory Small RNA	Whole-genome characterization of chemoresistant ovarian cancer.	Patch, A. M., et. al.	Nature	[Epub]	28-May-15
Liver Disease	Hepatic expression levels of interferons and interferon-stimulated genes in patients with chronic hepatitis C: A phenotype-genotype correlation study.	Noureddin, M., et. al.	Genes and Immunity	[Epub]	28-May-15
Biofluids	A differentially expressed set of micrnas in cerebro-spinal fluid (CSF) can diagnose CNS malignancies.	Drusco, A., et. al.	Oncotarget	[Epub]	28-May-15

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Regulatory Small RNA	Shifts in temperature within the physiologic range modify strand-specific expression of select human microRNAs.	Potla R. et. al.	RNA	[Epub]	27-May-15
Immunology	Phenotypic switch of CD8(+) T cells reactivated under hypoxia toward IL-10 secreting, poorly proliferative effector cells.	de Silly, R. V., et. al.	Eur. J. Immunology	[Epub]	26-May-15
Immunology	CD47 Promotes Protective Innate and Adaptive Immunity in a Mouse Model of Disseminated Candidiasis.	Navarathana, D., et. al.	PLoS ONE	[Epub]	26-May-15
Oncology	Prognostic and predictive value of NanoString-based immune-related gene signatures in a neoadjuvant setting of triple-negative breast cancer: relationship to tumor-infiltrating lymphocytes.	Lee, H. J., et. al.	Breast Cancer Res Treat.	[Epub]	26-May-15
Immuno-oncology	Anti-PD-L1 prolongs survival and triggers T cell but not humoral anti-tumor immune responses in a human MUC1-expressing preclinical ovarian cancer model.	Mony, J. T., et. al.	Cancer Immunology, Immunotherapy	[Epub]	22-May-15
Other Species	Characterization of a novel chicken muscle disorder through differential gene expression and pathway analysis using RNA-sequencing.	Mutryn, M. F., et. al.	BMC Genomics	[Epub]	22-May-15
Immunology	Multiplexed Component Analysis to Identify Genes Contributing to the Immune Response during Acute SIV Infection.	Hosseini, I., et. al.	PLoS ONE	[Epub]	20-May-15
Immunology	Divergent Phenotypes of Human Regulatory T Cells Expressing the Receptors TIGIT and CD226.	Fuhrman, C. E., et. al.	J. Immunol	[Epub]	20-May-15
Regulatory Small RNA	The presence of Epstein-Barr virus significantly impacts the transcriptional profile in immunodeficiency-associated Burkitt lymphoma	Navari, M., et.. al.	Frontiers in Microbiology	[Epub]	20-May-15
Oncology	Cripto-1 as a novel therapeutic target for triple negative breast cancer.	Castro, N. P., et. al.	Oncotarget	20;6(14):11910-29.	19-May-15
Immunology	Size- and shape-dependent foreign body immune response to materials implanted in rodents and non-human primates.	Vieseh, O., et. al.	Nature Materials	[Epub]	18-May-15
Immuno-oncology	Gene expression patterns through oral squamous cell carcinoma development: PD-L1 expression in primary tumor and circulating tumor cells.	Oliveira-Costa, J. P., et. al.	Oncotarget	[Epub]	15-May-15
Oncology	Identifying Etiologically Distinct Sub-Types of Cancer: A Demonstration Project Involving Breast Cancer.	Begg, C. B., et. al.	Cancer Medicine	[Epub]	13-May-15
Oncology	Response to MET Inhibitors in Patients with Stage IV Lung Adenocarcinomas Harboring MET Mutations Causing Exon 14 Skipping.	Paik, P. K., et. al.	Cancer Discovery	[Epub]	13-May-15
NeuroBiology	A molecular model for neurodevelopmental disorders.	Gigek, C. O., et. al.	Mol. Psychiatry	[Epub]	12-May-15

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Oncology	Molecular characterization of patients with pathologic complete response or early failure after neoadjuvant chemotherapy for locally advanced breast cancer using next generation sequencing and nCounter assay.	Park, K., et. al.	Oncotarget	[Epub]	12-May-15
Oncology	The BET bromodomain inhibitor JQ1 suppresses growth of pancreatic ductal adenocarcinoma in patient-derived xenograft models.	Garcia, P. L., et. al.	Oncogene	[Epub]	11-May-15
Oncology	Molecular Heterogeneity in a Patient-Derived Glioblastoma Xenoline Is Regulated by Different Cancer Stem Cell Populations.	Garner, J. M., et. al.	PLoS ONE	[Epub]	8-May-15
Immunology	Evidence that a neutrophil-keratinocyte crosstalk is an early target of IL-17A inhibition in psoriasis.	Reich, K., et. al.	Exp. Dermatology	[Epub]	8-May-15
Stem Cell Technology	Rapid and Efficient Generation of Transgene-Free iPSC from a Small Volume of Cryopreserved Blood	Zhou, H., et. al.	Stem Cell Rev.	[Epub]	8-May-15
Regulatory Small RNA	Myocardial miR-30 downregulation triggered by doxorubicin drives alterations in β -adrenergic signaling and enhances apoptosis.	Roca-Alonso, L., et. al.	Cell Death and Disease	[Epub]	7-May-15
Regulatory Small RNA	Analysis of Glioblastoma Patients' Plasma Revealed the Presence of MicroRNAs with a Prognostic Impact on Survival and Those of Viral Origin.	Herman, A., et. al.	PLoS ONE	[Epub]	7-May-15
Oncology	Identification of deregulation of apoptosis and cell cycle in neuroendocrine tumors of the lung via NanoString nCounter expression analysis.	Walter, R.F., et. al.	Oncotarget	[Epub]	4-May-15
Developmental and Systems Biology	GLI3 functions as a pivotal signaling node linking environmental arsenic exposure and human fetal growth.	Winterbottom, E. F., et. al.	EBioMedicine	[Epub]	1-May-15
Oncology	The PTEN-AKT-mTOR/RICTOR Pathway in Nasal Natural Killer Cell Lymphoma Is Activated by miR-494-3p via PTEN But Inhibited by miR-142-3p via RICTOR.	Chen, H-H., et. al.	Am. J. Pathol.	[Epub]	1-May-15
Methods	Comparing Platforms for Messenger RNA Expression Profiling of Archival Formalin-Fixed, Paraffin-Embedded Tissues.	Tyekucheva, S., et. al.	J. Mol. Diag	[Epub]	30-Apr-15
Methods	Targeting Human Long Noncoding Transcripts by Endoribonuclease-Prepared siRNAs.	Theis, M., et. al.	J. Biomed Screening	[Epub]	25-Apr-15
Oncology	A Multicenter, Phase II, Randomized, Noncomparative Clinical Trial of Radiation and Temozolomide with or without Vandetanib in Newly Diagnosed Glioblastoma Patients.	Lee, E. Q., et. al.	Clin. Cancer Res.	[Epub]	24-Apr-15
Regulatory Small RNA	Postoperative Prognosis Prediction of Pancreatic Cancer With Seven MicroRNAs	Lee, K. H., et. al.	Pancreas	[Epub]	21-Apr-15
Oncology	MerTK is a novel therapeutic target in gastric cancer.	Yi, J. H., et. al.	Oncotarget	[Epub]	20-Apr-15

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Copy Number Variant	Allele-specific copy-number discovery from whole-genome and whole-exome sequencing.	Wang, W., et. al.	NAR	[Epub]	16-Apr-15
Regulatory Small RNA	Developing a Prognostic Micro-RNA Signature for Human Cervical Carcinoma.	How, C., et. al.	PLoS ONE	[Epub]	16-Apr-15
Oncology	PI3K inhibition results in enhanced estrogen receptor function and dependence in hormone receptor-positive breast cancer.	Bosch, A., et. al.	Sci Trans. Med.	[Epub]	15-Apr-15
NeuroBiology	Sex-specific prediction of interferon beta therapy response in relapsing-remitting multiple sclerosis.	Charbit, H., et. al.	J. Clinical Neuroscience	[Epub]	14-Apr-15
Other Species	Response to Nodal morphogen gradient is determined by the kinetics of target gene induction.	Debrulle, J., et. al.	eLife	[Epub]	14-Apr-15
Elements	TET1 is a tumor suppressor of hematopoietic malignancy	Cimmino, L., et. al.	Nat. Immunol.	[Epub]	13-Apr-15
Liver Disease	Hepatic cell proliferation plays a pivotal role in the prognosis of alcoholic hepatitis.	Lanthier, N., et.. al.	J. Hepatology	[Epub]	11-Apr-15
Regulatory Small RNA	Mesenchymal-stem-cell-derived exosomes accelerate skeletal muscle regeneration.	Nakamura, Y., et. al.	FEBS Lett.		8-Apr-15
Methods	Quantitative proteomics of heat-treated human cells show an across-the-board mild depletion of housekeeping proteins to massively accumulate few HSPs.	Finka, A., et. al.	Cell Stress Chaperones	[Epub]	8-Apr-15
Oncology	Enhanced GAB2 expression is associated with improved survival in high-grade serous ovarian cancer and sensitivity to PI3K inhibition.	Davis, S. J., et. al.	Mol. Cancer Ther.	[Epub]	7-Apr-15
Oncology	Targeting class I histone deacetylase 2 in MYC amplified group 3 medulloblastoma.	Ecker, J., et. al.	Acta Neuropathol Commun.	[Epub]	3-Apr-15
Oncology	Up-Regulation of Periostin and Reactive Stroma is Associated with Primary Chemoresistance and Predicts Clinical Outcomes in Epithelial Ovarian Cancer.	Ryner, L., et. al.	Clin. Cancer Res.	[Epub]	2-Apr-15
NeuroBiology	Identification of a chronic non-neurodegenerative microglia activation state in a mouse model of peroxisomal β -oxidation deficiency.	Verheijden, S., et. al.	Glia	[Epub]	2-Apr-15
Developmental and Systems Biology	p53 enables metabolic fitness and self-renewal of nephron progenitor cells.	Li, Y., et. al.	Development	142, 1228-1241.	1-Apr-15
Diabetes	Viral Infection of Engrafted Human Islets Leads to Diabetes.	Gallagher, G. R., et. al.	Diabetes	64: 1358-1369	1-Apr-15
Oncology	Characterisation of subpopulations of myeloid cells in infantile haemangioma	Tan, E., et. al.	J. Clin. Pathol.	[Epub]	1-Apr-15
Other Species	Ubiquitous Promoter-Localization of Essential Virulence Regulators in <i>Francisella tularensis</i> .	Ramsey, K. M., et. al.	PLoS Pathogens	[Epub]	1-Apr-15
Biofluids	Characterization of CLL exosomes reveals a distinct microRNA signature and enhanced secretion by activation of B-cell receptor signaling.	Yeh, Y-Y., et. al.	Blood	[Epub]	1-Apr-15

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Immunology	Evidence That a Neutrophil-Keratinocyte Crosstalk Is an Early Target of IL-17A Inhibition in Psoriasis.	Reich, K., et. al.	Exp. Dermatol.	[Epub]	1-Apr-15
Regulatory Small RNA	c-MYC Generates Repair Errors via Increased Transcription of Alternative-NHEJ Factors, LIG3 and PARP1, in Tyrosine Kinase-Activated Leukemias.	Muvarak, N., et. al.	Mol. Cancer Res.	[Epub]	31-Mar-15
Regulatory Small RNA	Silencing the double-stranded RNA binding protein DGCR8 inhibits ovarian cancer cell proliferation, migration, and invasion.	Guo, Y., et. al.	Pharm Res.	[Epub]	30-Mar-15
Methods	High quality RNA extraction of the mammalian cochlea for qRT-PCR and Transcriptome analyses.	Patil, K. V., et. al.	Hearing Res.	[Epub]	27-Mar-15
Other Species	An in vivo screen to identify candidate neurogenic genes in the developing Xenopus visual system.	Bestman, J. E., et. al.	Developmental Biol.		27-Mar-15
Oncology	SOX4, SOX11 and PAX6 mRNA expression was identified as a (prognostic) marker for the aggressiveness of neuroendocrine tumors of the lung by using next-generation expression analysis (NanoString).	Walter, R. F. H., et. al.	Future Medicine	11(7): 1027-1036	27-Mar-15
Oncology	Deregulation of the FOXM1 target gene network and its coregulatory partners in oesophageal adenocarcinoma.	Wiseman, E. F., et. al.	Molecular Cancer.	[Epub]	26-Mar-15
Oncology	Efficient molecular subtype classification of high-grade serous ovarian cancer.	Leong, H. S., et. al.	J. Pathology	[Epub]	26-Mar-15
Oncology	Intermittent Hypoxia Selects for Genotypes and Phenotypes That Increase Survival, Invasion, and Therapy Resistance.	Verduzco, D., et. al.	PLoS ONE	[Epub]	26-Mar-15
Liver Disease	Functional Genomic Analysis Identifies Indoxyl Sulfate as a Major, Poorly Dialyzable Uremic Toxin in End-Stage Renal Disease.	Jhawar, S., et. al.	PLoS ONE	[Epub]	26-Mar-15
Oncology	Identification of new biomarkers for human papillary thyroid carcinoma employing NanoString analysis.	Chitikova, Z., et. al.	Oncotarget	[Epub]	26-Mar-15
Immunology	Trained immunity in newborn infants of HBV-infected mothers.	Hong, M., et. al.	Nature Commun.	[Epub]	25-Mar-15
Regulatory Biology	The association of Kaposi's sarcoma-associated herpesvirus ORF31 with ORF34 and ORF24 is critical for late gene expression.	Brulois, K., et. al.	J. Virology	[Epub]	25-Mar-15
Diabetes	Enhanced NMDA Receptor-Mediated Modulation of Excitatory Neurotransmission in the Dorsal Vagal Complex of Streptozotocin-Treated, Chronically Hyperglycemic Mice.	Bach, E. V., et. al.	PLoS ONE	[Epub]	23-Mar-15
Copy Number Variant	The Impact of Concomitant Genomic Alterations on Treatment Outcome for Trastuzumab Therapy in HER2-Positive Gastric Cancer.	Lee, J-Y., et. al.	Scientific Reports	[Epub]	21-Mar-15

CATEGORY	TITLE	AUTHOR(S)	PUBLICATION	PAGE	DATE
Regulatory Small RNA	Extensive microRNA-mediated crosstalk between lncRNAs and mRNAs in mouse embryonic stem cells.	Tan, J. Y., et. al.	Genome Res.	[Epub]	19-Mar-15
NeuroBiology	Low-Variance RNAs Identify Parkinson's Disease Molecular Signature in Blood.	Chikina, M. D., et. al.	Movement Disorders	[Epub]	18-Mar-15
Oncology	A Phase I/II Trial of BNC105P with Everolimus in Metastatic Renal Cell Carcinoma.	Pal, S., et. al.	Clin. Cancer Res.	[Epub]	18-Mar-15
Other Species	Messenger RNA sequencing and pathway analysis provide novel insights into the biological basis of chickens' feed efficiency.	Zhou, N., et. al.	BMC Genomics	[Epub]	17-Mar-15
NeuroBiology	Quinolinic acid/tryptophan ratios predict neurological disease in SIV-infected macaques and remain elevated in the brain under cART.	Drewes, J. L., et. al.	J. Neurovirol.	[Epub]	17-Mar-15
Immunology	Tolerance Associated Gene Expression following Allogeneic Hematopoietic Cell Transplantation.	Pidala, J., et. al.	PLoS ONE	[Epub]	16-Mar-15
Other Species	Functional characterization of the diatom cyclin-dependent kinase A2 as a mitotic regulator reveals plant-like properties in a non-green lineage.	Huysman, M., et. al.	BMC Plant Biol.		14-Mar-15
Oncology	A distinct pre-existing inflammatory tumour microenvironment is associated with chemotherapy resistance in high-grade serous epithelial ovarian cancer.	Koti, M., et. al.	B. J. Cancer	[Epub]	12-Mar-15
Methods	A statistical framework for revealing signaling pathways perturbed by DNA variants.	Wilentzik, R., et. al.	NAR	[Epub]	12-Mar-15
Regulatory Small RNA	MicroRNA expression profiling in metastatic cutaneous squamous cell carcinoma	Gillespie, J., et. al.	Journal of the European Academy of Dermatology and Venereology	[Epub]	12-Mar-15
Regulatory Biology	Disruption of DNA-methylation-dependent long gene repression in Rett syndrome.	Gabel, H. W., et. al.	Nature	[Epub]	11-Mar-15
Regulatory Small RNA	A Novel MiRNA-Based Predictive Model for Biochemical Failure Following Post-Prostatectomy Salvage Radiation Therapy.	Bell, E. H., et. al.	PLoS ONE	[Epub]	11-Mar-15
Immunology	ICOS:ICOS-Ligand Interaction Is Required for Type 2 Innate Lymphoid Cell Function, Homeostasis, and Induction of Airway Hyperreactivity.	Maazi, H., et. al.	Immunity	[Epub]	10-Mar-15
Immunology	Accuracy of digital mRNA profiling of oesophageal biopsies as a novel diagnostic approach to eosinophilic oesophagitis.	Lexmond, W. S., et. al.	Clinical and Experimental Allergy	[Epub]	9-Mar-15
Oncology	HER2 as a target in invasive urothelial carcinoma.	Bellmunt, J., et. al.	Cancer Medicine	[Epub]	9-Mar-15
Regulatory Biology	Understanding of Altered-glycosylation-Related Gene Expression in Recombinant Chinese Hamster Ovary Cells Subjected to Elevated Ammonium Concentration by Digital mRNA Counting.	Ha, T. K., et. al.	Cellular and Metabolic Engineering	[Epub]	9-Mar-15

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Immunology	Clinical improvement in psoriasis with specific targeting of interleukin-23.	Kopp, T., et. al.	Nature	[Epub]	9-Mar-15
Regulatory Small RNA	Differential expression of miRNAs and their relation to active tuberculosis.	Xu, Z., et. al.	Tuberculosis	[Epub]	6-Mar-15
Immunology	Differential Induction of Ly6G and Ly6C Positive Myeloid Derived Suppressor Cells in Chronic Kidney and Liver Inflammation and Fibrosis.	Hochst, B., et. al.	PLoS ONE		4-Mar-15
Oncology	Molecular Subtypes of Uterine Leiomyosarcoma and Correlation with Clinical Outcome.	Barlin, J. N., et. al.	Neoplasia	[Epub]	4-Mar-15
NeuroBiology	Characterization of bipolar disorder patient-specific induced pluripotent stem cells from a family reveals neurodevelopmental and mRNA expression abnormalities.	Madison, J. M., et. al.	Mol. Psychiatry	[Epub]	3-Mar-15
Oncology	Nanowire Analysis of Cancer-Testis Antigens as Biomarkers of Aggressive Prostate Cancer.	Takahashi, S., et. al.	Urology	[Epub]	3-Mar-15
Methods	High-throughput RNA profiling via up-front sample parallelization.	Narayan, A., et. al.	Nature Methods	[Epub]	2-Mar-15
Oncology	Lung cancer in never-smoker Asian females is driven by oncogenic mutations, most often involving EGFR	Ha, S. Y., et. al.	Oncotarget	[Epub]	28-Feb-15
Regulatory Small RNA	Breast Cancer-Specific miR Signature Unique to Extracellular Vesicles includes "microRNA-like" tRNA Fragments.	Guzman, N., et. al.	Mol. Can. Res.	[Epub]	26-Feb-15
Pathogens	Prion Infections and Anti-PrP Antibodies Trigger Converging Neurotoxic Pathways.	Herrmann, U. S., et. al.	PLoS Pathogens	[Epub]	24-Feb-15
Stem Cell Technology	Transcription factor binding dynamics during human ES cell differentiation.	Tsankov, A. M., et. al.	Nature	[Epub]	18-Feb-15
Other Species	Activation and Alliance of Regulatory Pathways in C. albicans during Mammalian Infection.	Xu, W., et. al.	PLoS Biology	[Epub]	18-Feb-15
Immunology	Suppression of systemic autoimmunity by the innate immune adaptor STING.	Sharma, S., et. al.	PNAS	[Epub]	17-Feb-15
Oncology	Targeted inhibition of the deubiquitinating enzymes, USP14 and UCHL5, induces proteotoxic stress and apoptosis in Waldenström macroglobulinaemia tumour cells.	Chitta, K., et. al.	Br. J. Haematol.	[Epub]	17-Feb-15
Other Species	Untethering the TIR1 auxin receptor from the SCF complex increases its stability and inhibits auxin response.	Yu, H., et. al.	Nature Plants	[Epub]	16-Feb-15
Copy Number Variant	Integrative Analysis of Head and Neck Cancer Identifies Two Biologically Distinct HPV and Three Non-HPV Subtypes.	Keck, M., et. al.	Clin. Cancer Res.	[Epub]	15-Feb-15
Methods	Analytical platform evaluation for quantification of ERG in prostate cancer using protein and mRNA detection methods.	He, J., et. al.	J Trans. Med.	[Epub]	12-Feb-15

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Copy Number Variant	High-depth sequencing of over 750 genes supports linear progression of primary tumors and metastases in most patients with liver-limited metastatic colorectal cancer.	Tan, I. B., et. al.	Genome Biology	[Epub]	12-Feb-15
Liver Disease	Inflammatory Monocytes Recruited to the Liver within 24 Hours after Virus-Induced Inflammation Resemble Kupffer Cells but Are Functionally Distinct.	Movita, D., et. al.	J. Virology	[Epub]	11-Feb-15
Developmental and Systems Biology	Age-Related Testicular Toxicity of mGluR5 Negative Allosteric Modulators Appears to be Unrelated to Testis Drug Transporter Maturity.	Campion, S. N., et. al.	Reproductive Toxicology	[Epub]	9-Feb-15
Regulatory Small RNA	Distinct anti-oncogenic effect of various microRNAs in different mouse models of liver cancer.	Tao, J., et. al.	Oncotarget	[Epub]	9-Feb-15
Oncology	Role of MYC-Regulated Long Noncoding RNAs in Cell Cycle Regulation and Tumorigenesis.	Kim, T., et. al.	JNCI	[Epub]	6-Feb-15
Regulatory Small RNA	Identification of a Metastasis-Specific MicroRNA Signature in Human Colorectal Cancer.	Hur, K., et. al.	JNCI J Natl Cancer Inst.	[Epub]	5-Feb-15
Other Species	Geometric control of ciliated band regulatory states in the sea urchin embryo.	Barsi, J. C., et. al.	Development	[Epub ahead of print.	5-Feb-15
Regulatory Small RNA	Functional proteomics identifies miRNAs to target a p27/Myc/phospho-Rb signature in breast and ovarian cancer.	Seviour, E. G., et. al.	Oncogene	[Epub]	2-Feb-15
Regulatory Biology	HSP105 recruits protein phosphatase 2A to dephosphorylate β -catenin.	Yu, N., et. al.	MCB	[Epub]	2-Feb-15
Copy Number Variant	Integrative and Comparative Genomic Analysis of HPV-Positive and HPV-Negative Head and Neck Squamous Cell Carcinomas.	Seiwert, T., et. al.	Clin. Cancer Res.	[Epub]	1-Feb-15
Signatures	Gene Expression-based Classifications of Fibroadenomas and Phyllodes tumours of the Breast.	Vidal, M., et. al.	Molecular Oncology	[Epub]	31-Jan-15
NeuroBiology	Altered WNT signaling in hiPSC NPCs derived from four schizophrenia patients.	Topol, A., et. al.	Biological Psychiatry	[Epub]	30-Jan-15
Immunology	Gender-specific prediction of interferon beta therapy response in relapsing-remitting multiple sclerosis.	Charbit, H., et. al.	J. Clin. Neuroscience	[Epub]	29-Jan-15
Regulatory Small RNA	Mir-155 Expression Is Associated with Chemoimmunotherapy Outcome and Is Modulated By Bruton's Tyrosine Kinase Inhibition with Ibrutinib	Guinn, D., et. al.	Blood	[Epub]	27-Jan-15
NeuroBiology	Dysregulation of miR-34a links neuronal development to genetic risk factors for bipolar disorder.	Bavamian, S., et. al.	Mol. Psychiatry	[Epub]	27-Jan-15
Cardiovascular	Thioredoxin-2 Inhibits Mitochondrial Reactive Oxygen Species Generation and Apoptosis Stress Kinase-1 Activity to Maintain Cardiac Function.	Huang, Q., et. al.	Circulation	[Epub]	27-Jan-15
Developmental and Systems Biology	Egg yolks inhibit activation of NF- κ B and expression of its target genes in adipocytes after partial delipidation.	Shen, Q., et. al.	J. Agriculture and Food Chemistry	[Epub]	26-Jan-15

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Immunology	BDCA3 expression is associated with high IFN- λ production by CD34(+)-derived dendritic cells generated in the presence of GM-CSF, IL-4, and/or TGF- β .	Van Der Aa, E., et. al.	Eur J. Immunol.	[Epub]	23-Jan-15
Stem Cell Technology	Jarid2 Methylation via the PRC2 Complex Regulates H3K27me3 Deposition during Cell Differentiation.	Sanulli, S., et. al.	Mol. Cell	[Epub]	22-Jan-15
NeuroBiology	IL-10 Alters Immunoproteostasis in APP Mice, Increasing Plaque Burden and Worsening Cognitive Behavior.	Chakrabarty, P., et. al.	Neuron	[Epub]	22-Jan-15
Regulatory Small RNA	microRNA expression in the cervix during pregnancy is associated with length of gestation.	Sanders, A. P., et. al.	Epigenetics	[Epub]	22-Jan-15
Other Species	Effect of Time of Day of Sampling on Potato Foliar Gene Expression Used to Assess Crop Nitrogen Status.	Tai, H. H., et. al.	American Journal of Potato Research		22-Jan-15
Oncology	Medulloblastoma subgroups remain stable across primary and metastatic compartments.	Wang, X., et. al.	Acta Neuropathologica	[Epub]	21-Jan-15
Oncology	Medulloblastoma subgroup-specific outcomes in irradiated children: who are the true high-risk patients?	Ramaswamy, R., et. al.	Neuro-Oncology	[Epub]	20-Jan-15
Regulatory Biology	Epigenomic analysis of the HOX gene loci reveals mechanisms that may control canonical expression patterns in AML and normal hematopoietic cells.	Spencer, D. H., et. al.	Leukemia	[Epub]	20-Jan-15
Developmental and Systems Biology	Dkk1 haploinsufficiency requires expression of Bmp2 for bone anabolic activity.	Intini, G., et. al.	Bone	[Epub]	17-Jan-15
Immunology	Evasion of Innate Cytosolic DNA Sensing by a Gammaherpesvirus Facilitates Establishment of Latent Infection.	Sun, C., et. al.	J. Immunology	[Epub]	16-Jan-15
Oncology	Expression of proliferation markers Ki67, cyclin A, geminin and aurora-kinase A in primary breast carcinomas and corresponding distant metastases.	Tokes, A-M., et. al.	J. Clin. Pathol.	[Epub]	16-Jan-15
Oncology	The Osteogenic Niche Promotes Early-Stage Bone Colonization of Disseminated Breast Cancer Cells.	Wang, H., et. al.	Cancer Cell	[Epub]	15-Jan-15
Diabetes	Relationship between expression and methylation of obesity-related genes in children.	Dave, V., et. al.	Mutagenesis		14-Jan-15
Immunology	The BRAF and MEK Inhibitors Dabrafenib and Trametinib: Effects on Immune Function and in Combination with Immunomodulatory Antibodies Targeting PD1, PD-L1 and CTLA-4.	Liu, L., et. al.	Clin. Cancer Res.	[Epub]	14-Jan-15
Immunology	CpGB DNA activates dermal macrophages and specifically recruits inflammatory monocytes into the skin.	Mathes, A. L., et. al.	Exp. Dermatology	[Epub]	12-Jan-15
Oncology	JAK-STAT Pathway Activation in Malignant and Non-Malignant Cells Contributes to MPN Pathogenesis and Therapeutic Response.	Kleppe, M., et. al.	Cancer Discovery	[Epub]	8-Jan-15

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Oncology	PEST domain mutations in Notch receptors comprise an oncogenic driver segment in triple-negative breast cancer sensitive to a γ -secretase inhibitor.	Wang, K., et. al.	Clin. Cancer Res.	[Epub]	6-Jan-15
Regulatory Small RNA	Loss of non-coding RNA expression from the DLK1DIO3 imprinted locus correlates with reduced neural differentiation potential in human embryonic stem cell lines	Mo, C-F., et. al.	Stem Cell Res.	Epub ahead of print].	5-Jan-15
Immunology	Commensal-dendritic-cell interaction specifies a unique protective skin immune signature.	Naik, S., et. al.	Nature	[Epub]	5-Jan-15
Oncology	Intrinsic Subtypes, PIK3CA Mutation, and the Degree of Benefit From Adjuvant Trastuzumab in the NSABP B-31 Trial.	Pogue-Geile, K. L., et. al.	J. Clin. Oncol	[Epub]	5-Jan-15
Copy Number Variant	Development and validation of the JAX Cancer Treatment Profile™ for detection of clinically actionable mutations in solid tumors.	Ananda, G., et. al.	Experimental and Molecular Pathology	[Epub]	3-Jan-15
Oncology	Prognostic and predictive investigation of PAM50 intrinsic subtypes in the NCIC CTG MA.21 phase III chemotherapy trial.	Liu, S., et. al.	Breast Cancer Res. and Treat	[Epub]	1-Jan-15
Other Species	Arabidopsis Ensemble Reverse-Engineered Gene Regulatory Network Discloses Interconnected Transcription Factors in Oxidative Stress.	Vermeirssem, V., et. al.	The Plant Cell	[Epub]	30-Dec-14
Oncology	Gene expression profiling of lobular carcinoma in situ reveals candidate precursor genes for invasion.	Andrade, V. P., et. al.	Mol. Oncol.	[Epub]	24-Dec-14
Oncology	A seven-gene signature can predict distant recurrence in patients with triple-negative breast cancers who receive adjuvant chemotherapy following surgery.	Park, Y-H., et. al.	Int. J. Cancer	[Epub]	24-Dec-14
Regulatory Small RNA	Alterations in microRNA Expression in a Murine Model of Diet-Induced Vasculogenic Erectile Dysfunction.	Barbery, C. E., et. al.	J. Sex. Med.	[Epub]	23-Dec-14
Oncology	Molecular signature of Epstein Barr virus-positive Burkitt lymphoma and post-transplant lymphoproliferative disorder suggest different roles for Epstein Barr virus.	Navari, M., et. al.	Front Microb.	[Epub ahead of time].	23-Dec-14
Other Species	Divergent Targets of Aspergillus fumigatus AcuK and AcuM Transcription Factors during Growth in vitro versus Invasive Disease	Pongpom, M., et. al.	Infection and Immunity	[Epub]	22-Dec-14
Oncology	The protective effect of p16INK4a in oral cavity carcinomas: p16Ink4A dampens tumor invasion—integrated analysis of expression and kinomics pathways	Isayeva, T., et. al.	Mod. Pathol.	[Epub]	19-Dec-14
Oncology Fusions	Standard immunohistochemistry efficiently screens for anaplastic lymphoma kinase rearrangements in differentiated thyroid cancer.	Park, G., et. al.	Endocr Relat Cancer.	[Epub]	18-Dec-14
NeuroBiology	Transcriptional profiling of rat hypothalamus response to 2,3,7,8-tetrachlorodibenzo-dioxin.	Houlahan, K. E., et. al.	Toxicology	[Epub]	18-Dec-14

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Copy Number Variant	7q11.23 dosage-dependent dysregulation in human pluripotent stem cells affects transcriptional programs in disease-relevant lineages.	Adamo, A., et. al.	Nature Genetics	[Epub]	15-Dec-14
NeuroBiology	Human glial progenitor engraftment and gene expression is independent of the ALS environment.	Amanda, M., et. al.	Experimental Neurology	[Epub]	15-Dec-14
NeuroBiology	Human glial progenitor engraftment and gene expression is independent of the ALS environment.	Haidet.-Phillips, A. M., et. al.	Exp. Neurol	[Epub]	15-Dec-14
Methods	Statistical Issues in the Design and Analysis of nCounter Projects.	Jung, S. H., et.. al.	Cancer Informatics	[Epub]	14-Dec-14
Regulatory Biology	High-Resolution Sequencing and Modeling Identifies Distinct Dynamic RNA Regulatory Strategies.	Rabani, M., et. al.	Cell	[Epub]	11-Dec-14
Immunology	A Role for the Adaptor Proteins TRAM and TRIF in Toll-Like Receptor 2 Signaling.	Nilsen, N. J., et. al.	JBC	[Epub]	11-Dec-14
Copy Number Variant	Identification of Multiple DNA Copy Number Alterations Including Frequent 8p11.22 Amplification in Conjunctival Squamous Cell Carcinoma.	Asnaghi, L., et. al.	IOVS		9-Dec-14
Signatures	Developing a Clinically Feasible Personalized Medicine Approach to Pediatric Septic Shock.	Wong, H., et. al.	Am J Respir Crit Care Med.	[Epub]	9-Dec-14
Biofluids	Prognostic Value of Circulating Exosomal microRNAs in 112 Patients with Multiple Myeloma.	Manier, S., et. al.	Blood	[Epub ahead of print]	9-Dec-14
Immunology	Identification of Aim2 as a Sensor for DNA Vaccines.	Suschak, J. J., et. al.	J. immunol.	[Epub]	8-Dec-14
Immunology	The coinhibitory receptor CTLA-4 Controls B cell Responses by Modulating T Follicular Helper, T Follicular Regulatory and T Regulatory Cells.	Sage, P. T., et. al.	Immunity	[Epub]	5-Dec-14
Immunology	Interleukin-1 and interferon- γ orchestrate β -glucan-activated human dendritic cell programming via I κ B- ζ modulation.	Cardone, M., et. al.	PLoS ONE	[Epub]	4-Dec-14
Pathogens	Selective Susceptibility of Human Skin Antigen Presenting Cells to Productive Dengue Virus Infection.	Cerny, D., et. al.	PLoS Pathogens	[Epub]	4-Dec-14
Other Species	Dissecting Dynamic Genetic Variation That Controls Temporal Gene Response in Yeast.	Brodts, A., et. al.	PLoS Computational Biol.	[Epub]	4-Dec-14
Methods	The importance of study design for detecting differentially abundant features in high-throughput experiments.	Luo, H., et. al.	Genome Biology	[Epub]	3-Dec-14
Stem Cell Technology	Deconstructing transcriptional heterogeneity in pluripotent stem cells.	Kumar, R. M., et. al.	Nature		3-Dec-14
Oncology	The NanoString-based multigene assay as a novel platform to screen EGFR, HER2, and MET in patients with advanced gastric cancer.	Kim, S-T., et. al.	Clin. Trans.Oncol	[Epub]	2-Dec-14
Stem Cell Technology	A comparison of non-integrating reprogramming methods.	Schlaeger, T. M., et. al.	Nature Biotech.	[Epub]	1-Dec-14

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Other Species	DNA methyltransferase 3B regulates duration of neural crest production via repression of Sox10.	Hu, N., et. al.	PNAS	[Epub]	1-Dec-14
Pathogens	Plasmodium falciparum gene expression measured directly from tissue during human infection.	Van Tyne, D., et. al.	Genome Medicine	[Epub]	29-Nov-14
Immunology	PD-1 blockade induces responses by inhibiting adaptive immune resistance.	Tumeh, P. C., et.. al.	Nature	[Epub]	26-Nov-14
Developmental and Systems Biology	Different Epigenetic Alterations Are Associated with Abnormal IGF2/Igf2 Upregulation in Neural Tube Defects	Bai, B., et. al.	PLoS ONE	[Epub]	25-Nov-14
Copy Number Variant	Phase II Clinical and Exploratory Biomarker Study of Dacomitinib in Patients with Recurrent and/or Metastatic Squamous Cell Carcinoma of Head and Neck.	Kim, H. S., et. al.	Clin. Cancer Res.	[Epub]	24-Nov-14
Immunology	Podoplanin negatively regulates CD4+ effector T cell responses.	Peters, A., et. al.	JCI	[Epub]	21-Nov-14
Oncology	Mechanisms of Resistance to Cabazitaxel.	Duran, C. E., et. al.	Mol. Cancer Ther.	[Epub]	21-Nov-14
Oncology	The histone chaperone HJURP is a new independent prognostic marker for luminal A breast carcinoma.	Montes De Oca, R., et. al.	Molecular Oncology	[Epub]	20-Nov-14
Regulatory Small RNA	Rapid neurogenesis through transcriptional activation in human stem cells.	Busskamp, V., et. al.	Mol. Sys. Biol.	[Epub]	17-Nov-14
Regulatory Small RNA	microRNA-339-5p modulates Na ⁺ /I ⁻ symporter-mediated radioiodide uptake.	Lakshmanan, A., et. al.	Endocrinology	[Epub]	17-Nov-14
Immunology	Activating and Propagating Polyclonal Gamma Delta T Cells with Broad Specificity for Malignancies.	Deniger, D. A., et. al.	Clin. Cancer Res.	[Epub]	15-Nov-14
Oncology	Differential expression of Toll-like receptor (TLR) and B cell receptor (BCR) signaling molecules in primary diffuse large B-cell lymphoma of the central nervous system.	Akhter, A., et. al.	J. Neuro-Oncol	[Epub]	13-Nov-14
Regulatory Small RNA	Loss estrogen-regulated microRNA expression increases HER2 signaling and is prognostic of poor outcome in luminal breast cancer.	Bailey, S. T., et. al.	Cancer Res.	[Epub]	11-Nov-14
Other Species	Specific functions of the Wnt signaling system in gene regulatory networks throughout the early sea urchin embryo.	Cui, M., et. al.	PNAS	[Epub]	10-Nov-14
Regulatory Small RNA	Targeting miR-155 restores abnormal microglia and attenuates disease in SOD1 mice.	Butovsky, O., et. al.	Annals of Neurology	[Epub]	10-Nov-14
Oncology	Molecular Classification of MYC-Driven B-Cell Lymphomas by Targeted Gene Expression Profiling of Fixed Biopsy Specimens.	Carey, C. D., et. al.	J. Mol. Diag.	[Epub]	7-Nov-14
Stem Cell Technology	iPSC-Derived Dopamine Neurons Reveal Differences between Monozygotic Twins Discordant for Parkinson's Disease.	Woodard, C. M., et. al.	Cell Reports	[Epub]	6-Nov-14

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Other Species	ChIP-seq and In Vivo Transcriptome Analyses of the <i>Aspergillus fumigatus</i> SREBP SrbA Reveals a New Regulator of the Fungal Hypoxia Response and Virulence.	Chung, D., et. al.	PLoS Pathogens	[Epub]	6-Nov-14
Developmental and Systems Biology	Transcriptome Analysis of the Human Corneal Endothelium.	Frausto, R. F., et. al.	IOVS	[Epub]	6-Nov-14
Copy Number Variant	High-Throughput Sequencing and Copy Number Variation Detection Using Formalin Fixed Embedded Tissue in Metastatic Gastric Cancer.	Kim, S., et. al.	PLoS ONE	[Epub]	5-Nov-14
Immunology	Activation and propagation of tumor infiltrating lymphocytes on clinical-grade designer artificial antigen presenting cells for adoptive immunotherapy of melanoma.	Forget, M. A., et. al.	J. Immunotherapy	[Epub]	5-Nov-14
NeuroBiology	Fear conditioning leads to alteration in specific genes expression in cortical and thalamic neurons that project to the lateral amygdala.	Katz, I. R., & Lamprecht, R.	J. Neurochemistry	[Epub]	3-Nov-14
NeuroBiology	Identification of Molecular Pathways Facilitating Glioma Cell Invasion In Situ.	Nevo, I., et. al.	PLoS ONE	[Epub]	3-Nov-14
Pathogens	Optimization of a Nucleic Acid-Based Reporter System To Detect <i>Mycobacterium tuberculosis</i> Antibiotic Sensitivity	Mulvey, M. C., et. al.	Antimicrobial Agents and Chemotherapy	[Epub]	3-Nov-14
Regulatory Small RNA	Identification of Critical Biomarkers Responsive to Anti-Autophagy Therapies for Pancreatic Ductal Adenocarcinoma through a Performance Analysis of miRNA Platforms.	Sardi, S. H., et. al.	J. Bioanalysis and Biomedicine	[Epub]	1-Nov-14
Regulatory Biology	Hypoxia promotes stem cell phenotypes and poor prognosis through epigenetic regulation of DICER.	van den Beucken, T., et. al.	Nature Commun.	[Epub]	29-Oct-14
Pathogens	Systems Immunology Reveals Markers of Susceptibility to West Nile Virus Infection.	Qian, F., et. al.	Clinical and Vaccine Immunology	[Epub]	29-Oct-14
Immunology	CEACAM1 regulates TIM-3-mediated tolerance and exhaustion.	Huang, Y-H., et. al.	Nature	[Epub]	26-Oct-14
Oncology	High-throughput profiling identifies clinically actionable mutations in salivary duct carcinoma .	Ku, B. M., et. al.	J. Translational Med.	[Epub]	25-Oct-14
Regulatory Small RNA	FHIT Suppresses Epithelial-Mesenchymal Transition (EMT) and Metastasis in Lung Cancer through Modulation of MicroRNAs.	Suh, S-S., et. al.	PLoS Genetics	[Epub]	23-Oct-14
Pathogens	Multiplexed Digital mRNA Profiling of the Inflammatory Response in the West Nile Swiss Webster Mouse Model.	Pena, J., et. al.	PLoS Negl Trop Dis.	[Epub]	23-Oct-14
Other Species	The <i>Drosophila</i> Tis11 Protein and Its Effects on mRNA Expression in Flies.	Choi, Y-J., et. al.	JBC	[Epub]	23-Oct-14
Oncology	Global Epigenetic Regulation of MicroRNAs in Multiple Myeloma.	Zhang, W., et. al.	PLoS ONE	[Epub]	17-Oct-14
Stem Cell Technology	m(6)A RNA modification controls cell fate transition in mammalian embryonic stem cells.	Batista, P. J., et. al.	Cell Stem Cell	[Epub]	16-Oct-14

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Oncology	Dietary tomato and lycopene impact androgen signaling- and carcinogenesis-related gene expression during early TRAMP prostate carcinogenesis.	Wan, L., et. al.	Cancer Prevention Res.	[Epub]	15-Oct-14
Regulatory Small RNA	Pediatric eosinophilic esophagitis is associated with changes in esophageal microRNAs.	Zahm, A. M., et. al.	Am J. Physiology	[Epub]	15-Oct-14
Oncology	Precision Treatment of Distinct Molecular Subtypes of Diffuse Large B-cell Lymphoma: Ascribing Treatment Based on the Molecular Phenotype.	Dunleavy, K., et. al.	Clin. Cancer Res.	[Epub]	15-Oct-14
Oncology	DUSP1 phosphatase regulates the proinflammatory milieu in head and neck squamous cell carcinoma.	Zhang, X., et. al.	Cancer Res.	[Epub]	13-Oct-14
Regulatory Small RNA	Molecular Mechanisms of Repeated Social Defeat-Induced Glucocorticoid Resistance: Role of microRNA.	Ho-Jung S. et. al.	Brain, Behaviour and Immunity	[Epub]	12-Oct-14
Oncology	Prognostic gene signature profiles of hepatitis C-related early-stage liver cirrhosis.	Venkatesh, A., et. al.	Genomics Data	[Epub]	12-Oct-14
NeuroBiology	Cross-talking noncoding RNAs contribute to cell-specific neurodegeneration in SCA7.	Tan, J. Y., et. al.	Nature Structural and Molecular Biology	[Epub]	12-Oct-14
Immuno-oncology	Phase I trial of Seneca Valley Virus (NTX-010) in children with relapsed/refractory solid tumors: A report of the Children's Oncology Group.	Burke, M. J., et. al.	Pediatric Blood and Cancer	[Epub]	12-Oct-14
Oncology	Reproducible, quantitative and flexible molecular sub-typing of clinical DLBCL samples using the NanoString nCounter system.	Veldman-Jones, M., et. al.	Clin. Cancer Res.	[Epub]	9-Oct-14
NeuroBiology	Molecular convergence of neurodevelopmental disorders.	Chen, E. S., et. al.	AJHG	[Epub]	9-Oct-14
Oncology	Complement Pathway is Frequently Altered in Endometriosis and Endometriosis-Associated Ovarian Cancer.	Suryawanshi, S. M., et. al.	Clin. Cancer Res.	[Epub]	7-Oct-14
Developmental and Systems Biology	IGF antagonizes the Wnt/ β -Catenin pathway and promotes differentiation of extra-embryonic endoderm.	Schlupf, J. & Steinbeisser, H.	Differentiation		5-Oct-14
Biofluids	Protein and microRNA biomarkers from lavage, urine, and serum in military personnel evaluated for dyspnea.	Brown, J. N., et. al.	BMC Medical Genomics	[Epub]	5-Oct-14
Oncology	Dual Specificity Phosphatase 4 Gene Expression in Association with Triple-Negative Breast Cancer Outcome.	Baglia, M. L., et. al.	Breast Cancer Res. Treat.	[Epub]	4-Oct-14
Other Species	The Diurnal Logic of the Expression of the Chloroplast Genome in <i>Chlamydomonas reinhardtii</i> .	Idoine, A. D., et. al.	PLoS ONE	[Epub]	1-Oct-14
Regulatory Small RNA	Resveratrol prevents tumorigenesis in mouse model of Kras activated sporadic colorectal cancer by suppressing oncogenic Kras expression.	Saud, S. M., et. al.	Carcinogenesis	[Epub]	1-Oct-14

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Other Species	Gene expression profiling in juvenile and mature cuttings of <i>Eucalyptus grandis</i> reveals the importance of microtubule remodeling during adventitious root formation.	Abu-Abied, M., et. al.	BMC Genomics	[Epub]	30-Sep-14
Immunology	Intrinsic Self-DNA Triggers Inflammatory Disease Dependent on STING.	Ahn, J., et. al.	J. Immunol.		26-Sep-14
Regulatory Small RNA	<i>Mycobacterium tuberculosis</i> decreases human macrophage IFN- γ responsiveness through miR-132 and miR-26a.	Ni, B., et. al.	J. Immunol.	[Epub]	24-Sep-14
Immunology	Critical role of MKP-1 in lipopolysaccharide-induced osteoclast formation through CXCL1 and CXCL2.	Valerio, M. S., et. al.	Cytokine	[Epub]	24-Sep-14
Oncology	CRISPR-Cas9 Knockin Mice for Genome Editing and Cancer Modeling.	Platt, R. J., et. al.	Cell	[Epub]	24-Sep-14
Signatures	CSF1-ETS2-induced microRNA in myeloid cells promote metastatic tumor growth.	Mathsyaraja, H., et. al.	Oncogene	[Epub]	22-Sep-14
Oncology	Wnt pathway in atypical teratoid rhabdoid tumors.	Chakravadhanula, M., et. al.	Neuro-Oncol.	[Epub]	21-Sep-14
Oncology Fusions	Comprehensive analysis of RET and ROS1 rearrangement in lung adenocarcinoma.	Lee, S. E., et. al.	Mod. Pathol.		19-Sep-14
Oncology	Mutation and Transcriptional Profiling of Formalin-Fixed Paraffin Embedded Specimens as Companion Methods to Immunohistochemistry for Determining Therapeutic Targets in Oropharyngeal Squamous Cell Carcinoma (OPSCC): A Pilot of Proof of Principle.	Saba, N. F., et. al.	Head and Neck Pathol.	[Epub]	19-Sep-14
Immunology	The CD14+CD16+ inflammatory monocyte subset displays increased mitochondrial activity and effector function during acute <i>Plasmodium vivax</i> malaria.	Antonelli, L. R. V., et. al.	PLoS Pathogens	[Epub]	18-Sep-14
Immunology	Dendritic cell-bound IgE functions to restrain allergic inflammation at mucosal sites.	Platzer, B., et. al.	Mucosal Immunol.	[Epub]	17-Sep-14
Immunology	In utero arsenic exposure and fetal immune repertoire in a US pregnancy cohort.	Nadeau, K.C., et. al.	Clin. Immunol.	[Epub]	16-Sep-14
Regulatory Small RNA	The KDM2B- Let-7b -EZH2 axis in myelodysplastic syndromes as a target for combined epigenetic therapy.	Karoopongse, E., et. al.	PLoS ONE		16-Sep-14
Oncology	Simvastatin plus capecitabine-cisplatin versus placebo plus capecitabine-cisplatin in patients with previously untreated advanced gastric cancer: A double-blind randomised phase 3 study	Kim, S-T., et. al.	European J. Cancer		15-Sep-14
NeuroBiology	Regulation of astrocyte activation by glycolipids drives chronic CNS inflammation.	Mayo, L., et. al.	Nature Med.	[Epub]	14-Sep-14

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Biofluids	Plasma circulating-microRNA profiles are useful for assessing prognosis in patients with cytogenetically normal myelodysplastic syndromes.	Zuo, Z., et. al.	Mod. Pathol.	[Epub]	12-Sep-14
Immunology	Intersection of population variation and autoimmunity genetics in human T cell activation.	Ye, C-J., et. al.	Science	[Epub]	12-Sep-14
Other Species	Mutational Analysis of Essential Septins Reveals a Role for Septin-Mediated Signaling in Filamentation.	Blankenship, J. R., et. al.	Eukaryotic Cell	[Epub]	12-Sep-14
Other Species	Plasmodium falciparum infection induces expression of a mosquito salivary protein (Agaphelin) that targets neutrophil function and inhibits thrombosis without impairing hemostasis.	Waisberg, M., et. al.	PLoS Pathogens	[Epub]	11-Sep-14
Oncology	Prognostic and biologic significance of DNMT3B expression in older patients with cytogenetically normal primary acute myeloid leukemia.	Niederwieser, C., et. al.	Leukemia	[Epub]	10-Sep-14
Regulatory Small RNA	Investigating osteogenic differentiation in multiple myeloma using a novel 3D bone marrow niche model.	Reagan, M. R., et. al.	Blood	[Epub]	9-Sep-14
Diabetes	Rare variants in PPARG with decreased activity in adipocyte differentiation are associated with increased risk of type 2 diabetes.	Majithia, A. R., et. al.	PNAS	[Epub]	9-Sep-14
Developmental and Systems Biology	Fibulin-1 is required for bone formation and Bmp-2-mediated induction of Osterix.	Cooley, M. A., et. al.	Bone	[Epub]	6-Sep-14
Oncology	The Effects of Soy Supplementation on Gene Expression in Breast Cancer: A Randomized Placebo-Controlled Study.	Shike, M., et. al.	JNCI	[Epub]	5-Sep-14
Developmental and Systems Biology	The olfactory transcriptomes of mice.	Ibarra-Soria, X., et. al.	PLoS Genetics	[Epub]	4-Sep-14
Oncology Fusions	Rationale for co-targeting IGF-1R and ALK in ALK fusion-positive lung cancer.	Lovly, C. M., et. al.	Nature Med.	[Epub]	31-Aug-14
Stem Cell Technology	Comparison and optimization of hiPSC forebrain cortical differentiation protocols .	Muratore, C. R., et. al.	PLoS ONE	[Epub]	28-Aug-14
Immunology	Human plasmacytoid dendritic cells regulate IFN- α production through activation-induced splicing of IL-18R α .	Chao, Y., et. al.	J. Leukocyte Biol.	[Epub]	28-Aug-14
Pathogens	Acidosis potentiates the host proinflammatory interleukin-1 β response to Pseudomonas aeruginosa infection.	Torres, I. M., et. al.	Infection and Immunity	[Epub ahead of print].	25-Aug-14
Oncology	The G protein α subunit Gas is a tumor suppressor in Sonic hedgehog-driven medulloblastoma.	He, X., et. al.	Nature Med.	[Epub]	24-Aug-14
NeuroBiology	Expression and contributions of TRPM7 and KCa2.3/SK3 channels to the increased migration and invasion of microglia in anti-inflammatory activation states.	Siddiqui, T., et. al.	PLoS ONE	[Epub]	22-Aug-14

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Signatures	A genomic and clinical prognostic index for hepatitis C-related early-stage cirrhosis that predicts clinical deterioration.	King, L. Y., et. al.	Gut	[Epub]	20-Aug-14
Other Species	NutriPhysioGenomics applications to identify adaptations of cattle to consumption of ergot alkaloids and inorganic versus organic forms of selenium: altered nutritional, physiological and health states?	Matthews, J. C., et. al.	Animal Production Science	[Epub]	19-Aug-14
Immunology	TRIL is involved in cytokine production in the brain following Escherichia coli infection.	Wochal, P., et. al.	J. Immunology	193(4): 1911-1919	15-Aug-14
Developmental and Systems Biology	Altering the Intestinal Microbiota during a Critical Developmental Window Has Lasting Metabolic Consequences.	Cox, L. M., et. al.	Cell	[Epub]	14-Aug-14
Other Species	Ins-4 and daf-28 function redundantly to regulate C. elegans L1 arrest.	Chen, Y., et. al.	Developmental Biology	[Epub]	14-Aug-14
Oncology	Polyisoprenylated methylated protein methyl esterase as a putative drug target for androgen-insensitive prostate cancer.	Poku, R. A., et. al.	eCancer	[Epub]	14-Aug-14
Pathogens	Arginase I, Polyamine, and Prostaglandin E2 Pathways Suppress the Inflammatory Response and Contribute to Diffuse Cutaneous Leishmaniasis.	Franc-Costa, J., et. al.	J. Infectious Dis.	[Epub]	14-Aug-14
Oncology	Poly (ADP) ribose polymerase enzyme inhibitor, veliparib, potentiates chemotherapy and radiation in vitro and in vivo in small cell lung cancer.	Owonikoko, T. K., et. al.	Cancer Medicine		13-Aug-14
Biofluids	Facile semi-automated forensic body fluid identification by multiplex solution hybridization of NanoString barcode probes to specific mRNA targets.	Danaher, P., et. al.	BioRxiv	[Epub]	12-Aug-14
Immunology	An interferon response gene signature is associated with the therapeutic response of Hepatitis C patients.	Pfeffer, L. M., et. al.	PLoS ONE	[Epub]	11-Aug-14
Oncology	Phase II Study of Bevacizumab, Temozolomide and Hypofractionated Stereotactic Radiotherapy for Newly Diagnosed Glioblastoma.	Omuro, A. M. P., et. al.	Clin. Cancer Res.	[Epub]	8-Aug-14
Oncology Fusions	Recurrent ESRI-CCDC170 rearrangements in an aggressive subset of oestrogen receptor-positive breast cancers.	Veeraraghavan, J., et. al.	Nat. Commun.	[Epub]	7-Aug-14
Methods	Comparison of gene expression microarray data with count-based RNA measurements informs microarray interpretation.	Richard, A. C., et. al.	BMC Genomics	[Epub]	4-Aug-14
Biofluids	Exosomes from IL-1-stimulated synovial fibroblasts induce osteoarthritic changes in articular chondrocytes.	Kato, T., et.. al.	Arthritis Res.	[Epub]	4-Aug-14
Other Species	Apoplatic peroxidases are required for salicylic acid-mediated defense against Pseudomonas syringae.	Mammarella, N. D., et. al.	Phytochemistry	[Epub]	2-Aug-14

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Regulatory Small RNA	MicroRNA-769-3p Down-regulates NDRG1 and Enhances Apoptosis in MCF-7 Cells During Reoxygenation.	Luo, E-C., et. al.	Scientific Reports	[Epub]	1-Aug-14
Methods	MixMir: microRNA motif discovery from gene expression data using mixed linear models.	Diao, L., et. al.	Nucleic Acids Res.	[Epub]	31-Jul-14
Oncology	TRIM24 links glucose metabolism with transformation of human mammary epithelial cells.	Pathiraja, T. N., et. al.	Oncogene	[Epub]	28-Jul-14
Other Species	Use of pantothenate as a metabolic switch increases the genetic stability of farnesene producing <i>Saccharomyces cerevisiae</i> .	Sandoval, C. M., et. al.	Metabolic Engineering	[Epub]	27-Jul-14
Methods	Mechanisms linked to differences in the mutagenic potential of 1,3-dinitropyrene and 1,8-dinitropyrene.	Holme, J. A., et. al.	Toxicology Reports	[Epub]	27-Jul-14
Immunology	The cytokine TGF- β co-opts signaling via STAT3-STAT4 to promote the differentiation of human TFH cells.	Schmitt, N., et. al.	Nature Immunology	[Epub]	27-Jul-14
Immunology	Galectin-9-CD44 Interaction Enhances Stability and Function of Adaptive Regulatory T Cells.	Wu, C., et. al.	Immunity	[Epub]	24-Jul-14
Stem Cell Technology	Efficient Generation of Myelinating Oligodendrocytes from Primary Progressive Multiple Sclerosis Patients by Induced Pluripotent Stem Cells.	Douvaras, P., et. al.	Cell Stem Cell	[Epub]	24-Jul-14
Immunology	The frustrated host response to <i>Legionella pneumophila</i> is bypassed by MyD88-dependent translation of pro-inflammatory cytokines.	Asrat, S., et. al.	PLoS Pathogens	[Epub]	24-Jul-14
Regulatory Small RNA	MicroRNA-21 Promotes Glioblastoma Tumorigenesis by Down-regulating Insulin-like Growth Factor-binding Protein-3 (IGFBP3).	Yang, C-H., et. al.	JBC	[Epub]	24-Jul-14
Immunology	Modulation of TNF-Induced Macrophage Polarization by Synovial Fibroblasts.	Donlin, L.T., et. al.	J. Immunol.	[Epub]	23-Jul-14
Copy Number Variant	Integrative and Comparative Genomic Analysis of HPV-Positive and HPV-Negative Head and Neck Squamous Cell Carcinomas.	Seiwert, T. Y., et. al.	Clin. Cancer Res.		23-Jul-14
Regulatory Small RNA	The antileukemia activity of natural product HQ17(3) is possibly associated with downregulation of miR-17-92 cluster.	Liao, Y-C., et. al.	Biomed Res. Int.	[Epub]	22-Jul-14
Single Cell	Modeling Bi-modality Improves Characterization of Cell Cycle on Gene Expression in Single Cells.	McDavid, A., et. al.	PLoS Computational Biol.	[Epub]	17-Jul-14
NeuroBiology	Endocannabinoids modulate cortical development by configuring Slit2/Robo1 signalling.	Alpar, A., et. al.	Nat. Commun	[Epub]	17-Jul-14
Immunology	Transcription of the activating receptor NKG2D in natural killer cells is regulated by STAT3 tyrosine phosphorylation.	Zhu, S., et. al.	Blood	[Epub]	17-Jul-14
Regulatory Small RNA	MicroRNA expression differences in human hematopoietic cell lineages enable regulated transgene expression.	Teruel-Montoya, R., et. al.	PLoS ONE	[Epub]	16-Jul-14

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Regulatory Small RNA	Identification of gene-based responses in human blood cells exposed to alpha particle radiation.	Chauhan, V., et. al.	BMC Medical Genomics	[Epub]	12-Jul-14
Oncology	Selective transcriptional regulation by Myc in cellular growth control and lymphomagenesis.	Sabo, A., et. al.	Nature	[Epub]	9-Jul-14
Other Species	Increased MAP kinase inhibition enhances epiblast-specific gene expression in bovine blastocysts.	McLean, Z., et. al.	Biology of Reproduction	[Epub]	9-Jul-14
Oncology	TBCRC 018: phase II study of iniparib in combination with irinotecan to treat progressive triple negative breast cancer brain metastases.	Anders, C., et. al.	Breast Cancer Res Treat	[Epub]	8-Jul-14
Immunology	Interferon γ -inducible protein (IFI) 16 transcriptionally regulates type I interferons and other interferon-stimulated genes and controls the interferon response to both DNA and RNA viruses.	Thompson, M. R., et. al.	J. Biol. Chem.	[Epub]	7-Jul-14
Immunology	Differential roles of microglia and monocytes in the inflamed central nervous system.	Yamasaki, R., et. al.	J. Exp. Med.	[Epub]	7-Jul-14
Immunology	Bioengineering T cells to target carbohydrate to treat opportunistic fungal infection.	Kumaresan, P. R., et. al.	PNAS	[Epub]	7-Jul-14
Immunology	Chronic Toll-like receptor 4 stimulation in skin induces inflammation, macrophage activation, transforming growth factor beta signature gene expression, and fibrosis.	Stifano, G., et. al.	Arthritis Research & Therapy	[Epub]	1-Jul-14
NeuroBiology	IL-4 type 1 receptor signaling up-regulates KCNN4 expression, and increases the KCa3.1 current and its contribution to migration of alternative-activated microglia.	Ferreira, R., et. al.	Front. Cell. Neurosci	[Epub]	30-Jun-14
Methods	Evaluation of quantitative miRNA expression platforms in the microRNA quality control (miRQC) study.	Mestdagh, P., et. al.	Nature Methods	[Epub]	29-Jun-14
Cardiovascular	Integrative DNA, RNA and protein evidence connects TREML4 to coronary artery calcification.	Sen, S. K., et. al.	AJHG	[Epub]	26-Jun-14
Immunology	Regulation of gene expression in autoimmune disease loci and the genetic basis of proliferation in CD4+ effector memory T Cells.	Hu, X., et. al.	PLoS Genetics	[Epub]	26-Jun-14
Other Species	Profiling microRNAs in Eucalyptus grandis reveals no mutual relationship between alterations in miR156 and miR172 expression and adventitious root induction during development.	Levy, A., et. al.	BMC Genomics	[Epub]	25-Jun-14
Elements	Th17/Treg ratio derived using DNA methylation analysis is associated with the late phase asthmatic response.	Singh, A., et. al.	Allergy, Asthma & Clinical Immunology	[Epub]	24-Jun-14
Regulatory Small RNA	Sex differences in microRNA expression during developmental in rat cortex.	Murphy, S. J., et. al.	Neurochemistry International	[Epub]	23-Jun-14

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Regulatory Small RNA	Regulation of gene expression by the BLM helicase correlates with the presence of G4 motifs.	Nguyen, G. H., et. al.	PNAS	[Epub]	23-Jun-14
Stem Cell Technology	Notch inhibition allows oncogene-independent generation of iPS cells.	Ichida, J. K., et. al.	Nature Chem. Biol.	[Epub]	22-Jun-14
Oncology	Enhancer hijacking activates GF11 family oncogenes in medulloblastoma.	Northcott, P., et. al.	Nature	[Epub]	22-Jun-14
Copy Number Variant	Digital genotyping of macrosatellites and multicopy genes reveals novel biological functions associated with Copy Number Variation of large tandem repeats.	Brahmachary, M., et. al.	PLoS Genetics	[Epub]	19-Jun-14
Oncology	2q36.3 is associated with prognosis for oestrogen receptor-negative breast cancer patients treated with chemotherapy.	Li, J., et. al.	Nature Commun.	[Epub]	17-Jun-14
Regulatory Small RNA	Dicer-microRNA-Myc circuit promotes transcription of hundreds of long noncoding RNAs.	Zheng, G. X. Y., et. al.	Nature Structural and Molecular Biology	[Epub]	15-Jun-14
Oncology	Expression of Hox Genes and Hotair in Atrt and Other Pediatric Brain Tumors.	Chakravadhanula, M., et. al.	Cancer Genetics	[Epub]	10-Jun-14
Other Species	Transcription factors involved in retinogenesis are co-opted by the circadian clock following photoreceptor differentiation.	Laranjeiro, R., et. al.	Development	141:2644-2656	10-Jun-14
Immunology	Gadolinium-based compounds induce NLRP3-dependent IL-1 β production and peritoneal inflammation.	Schmidt-Lauber, C., et. al.	Ann Rheum Dis.	[Epub]	6-Jun-14
Developmental and Systems Biology	Identification of novel SHOX target genes in the developing limb using a transgenic mouse model.	Beiser, K. U., et. al.	PLoS ONE	[Epub]	2-Jun-14
Other Species	Conditional Depletion of the Chlamydomonas Chloroplast ClpP Protease Activates Nuclear Genes Involved in Autophagy and Plastid Protein Quality Control.	Ramundo, S., et. al.	Plant Cell		30-May-14
Oncology	MicroRNA-31 suppresses medulloblastoma cell growth by inhibiting DNA replication through minichromosome maintenance 2.	Jin, Y., et. al.	Oncotarget	[Epub]	30-May-14
Pathogens	The Evolutionarily Conserved Mediator Subunit MDT-15/MED15 Links Protective Innate Immune Responses and Xenobiotic Detoxification	Pukkila-Worley, R., et. al.	PLoS Pathogens	[Epub]	29-May-14
Oncology	FGFR3 expression in primary and metastatic urothelial carcinoma of the bladder.	Guancial, C. M., et. al.	Cancer Medicine	[Epub]	20-May-14
Oncology	Digital Expression Profiling Identifies RUNX2, CDC5L, MDM2, RECQL4, and CDK4 as Potential Predictive Biomarkers for Neo-Adjuvant Chemotherapy Response in Paediatric Osteosarcoma.	Martin, J. W., et. al.	PLoS ONE	[Epub]	16-May-14
Methods	Evaluation of high throughput gene expression platforms using a genomic biomarker signature for prediction of skin sensitization.	Forreryd, A., et. al.	BMC Genomics	[Epub]	16-May-14

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Stem Cell Technology	Human induced pluripotent stem cell derived erythroblasts can undergo definitive erythropoiesis and co-express gamma and beta globins	Yang, C-T, et. al.	Br. J. Hematology	[Epub]	16-May-14
Oncology	MRI surrogates for molecular subgroups of Medulloblastoma.	Perreault, S., et. al.	AJNR AM J Neuroradiol.	[Epub]	15-May-14
Oncology	Activation of Angiogenesis Differs Strongly Between Pulmonary Carcinoids and Neuroendocrine Carinomas and Is Crucial for Carcinoid Tumourgenesis.	Mairinger, F. D., et. al.	J. Cancer	[Epub]	15-May-14
Immunology	Broad T-Cell Receptor Repertoire in T-Lymphocytes Derived from Human Induced Pluripotent Stem Cells.	Chang, C. W., et. al.	PLoS ONE	[Epub]	14-May-14
Developmental and Systems Biology	Association between length of gestation and cervical DNA methylation of PTGER2 and LINE 1-HS.	Burris, H. H., et. al.	Epigenetics	[Epub]	14-May-14
Biofluids	Circulating miRNA markers show promise as new prognosticators for multiple myeloma.	Rocci, A., et. al.	Leukemia	[Epub]	12-May-14
Stem Cell Technology	Analysis of the effects of five factors relevant to In Vitro chondrogenesis of human mesenchymal stem cells using factorial design and high throughput mRNA-profiling.	Jakobsen, R. B., et. al.	PLoS ONE	[Epub]	9-May-14
Immunology	GATA-3 expression identifies a high-risk subset of PTCL, NOS with distinct molecular and clinical features.	Wang, T., et. al.	Blood	123: 3007-3015	8-May-14
Regulatory Small RNA	Non-inhibited miRNAs shape the cellular response to anti-miR.	Androsavich, J. R., et. al.	NAR	[Epub]	7-May-14
Other Species	High-resolution analysis of gene activity during the Xenopus mid-blastula transition.	Collart, C., et. al.	Development	141:1927 - 1939.	1-May-14
Stem Cell Technology	Gene profiling of human induced pluripotent stem cell-derived astrocyte progenitors following spinal cord engraftment.	Haidet.-Phillips, A. M., et. al.	Stem Cells Trans Med	141:1927 - 1939.	1-May-14
Immunology	Dysregulation of multiple inflammatory molecules in lymph node and ileum of macaques during RT-SHIV infection with or without antiretroviral therapy.	Ambrose, Z., et. al.	Journal of Medical Primatology.	[Epub]	1-May-14
Copy Number Variant	Copy number variation in schizophrenia in Sweden.	Szatkiewicz, J. P., et. al.	Mol. Psychiatry	[Epub]	29-Apr-14
Oncology	A phase I dose escalation study of oral bexarotene in combination with intravenous decitabine in patients with AML.	Welch, J. S., et. al.	Am. J. Haematol.	[Epub]	28-Apr-14
Stem Cell Technology	Cell-state transitions regulated by SLUG are critical for tissue regeneration and tumor initiation.	Phillips, S., et. al.	Stem Cell Reports	[Epub]	24-Apr-14
Developmental and Systems Biology	Chronic cocaine-regulated epigenomic changes in mouse nucleus accumbens.	Feng, J., et. al.	Genome Biology	[Epub]	22-Apr-14
Regulatory Small RNA	Elevated circulating miR-150 and miR-342-3p in patients with Irritable Bowel Syndrome.	Fourie, N. H., et. al.	Experimental and Molecular Pathology	[Epub]	21-Apr-14

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Regulatory Biology	Functional genomic analysis of human mitochondrial RNA processing.	Wolf, A. R., et. al.	Cell Reports	[Epub]	18-Apr-14
Regulatory Small RNA	Human platelet microRNA-mRNA networks associated with age and gender revealed by integrated plateletomics.	Simon, L. M., et. al.	Blood	[Epub]	17-Apr-14
Oncology	Hypoxia-Driven Gene Expression Is an Independent Prognostic Factor in Stage II and III Colon Cancer Patients.	Dekervel, J., et. al.	Clin. Cancer Res.	[Epub]	15-Apr-14
Regulatory Small RNA	Identification of a tumor-suppressive human-specific microRNA within the FHIT tumor-suppressor gene.	Hu, B., et. al.	Cancer Res.	74; 2283	15-Apr-14
Oncology	MicroRNA-135b Promotes Cancer Progression by Acting as a Downstream Effector of Oncogenic Pathways in Colon Cancer.	Valeri, N., et. al.	Cancer Cell	[Epub]	14-Apr-14
Immunology	Attenuation of pathogenic immune responses during Infection with human and simian Immunodeficiency Virus (HIV/SIV) by the tetracycline derivative minocycline.	Drewes, J. L., et. al.	PLoS ONE	[Epub]	14-Apr-14
Immunology	Deconvolution of the lymphocyte compartment of the peripheral whole blood transcriptome in the context of acute kidney allograft rejection.	Shannon, C. P., et. al.	PLoS ONE	[Epub]	14-Apr-14
Regulatory Small RNA	Genomewide study of salivary MicroRNAs for detection of oral cancer	Momen-Heravi, F., et. al.	J Den res.	[Epub]	9-Apr-14
NeuroBiology	A family of nonclassical class I MHC genes contributes to ultrasensitive chemodetection by mouse vomeronasal sensory neurons.	Leinders-Zufall, T., et. al.	J Neuroscience	[Epub]	9-Apr-14
Other Species	Fruit load induces changes in global gene expression and in abscisic acid (ABA) and indole acetic acid (IAA) homeostasis in citrus buds.	Shalom, L., et. al.	J. Exp. Bot	[Epub]	4-Apr-14
NeuroBiology	Pathways disrupted in human ALS motor neurons identified through genetic correction of mutant SOD1.	Kiskinis, E., et. al.	Cell Stem Cell	[Epub]	3-Apr-14
Oncology	EBV-encoded miR-BART20-5p and miR-BART8 inhibit the IFN- γ -STAT1 pathway associated with disease progression in nasal NK-cell lymphoma.	Huang, W. T., et. al.	J. Pathology	184(4):1185-97.	1-Apr-14
NeuroBiology	Phenotypic differences in hiPSC NPCs derived from patients with schizophrenia.	Brennand, K., et. al.	Molecular Psychiatry	[Epub]	1-Apr-14
Regulatory Biology	Noncoding RNAs and LRRFIP1 regulate TNF expression.	Shi, L., et. al.	J Immunol	192:3057 - 3067	1-Apr-14
NeuroBiology	Elevated brain monoamine oxidase activity in SIV- and HIV-associated neurological disease.	Meulendyke, K. A., et. al.	J. Infectious Dis.	[Epub]	31-Mar-14
Oncology	Pemetrexed and gemcitabine as combination therapy for the treatment of Group3 Medulloblastoma.	Morfouace, M., et. al.	Cancer Cell	[Epub]	27-Mar-14
Regulatory Small RNA	microRNA-206 in rat medial prefrontal cortex regulates BDNF expression and alcohol drinking.	Tapocik, J. D., et. al.	J. Neurosci	[Epub]	26-Mar-14

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Regulatory Small RNA	Protective role of miR-155 in breast cancer through RAD51 targeting impairs homologous recombination after irradiation.	Gasparini, P., et. al.	PNAS	[Epub]	25-Mar-14
Panels	HIV-1 Infection Impairs Regulatory T-Cell Suppressive Capacity on a Per-Cell Basis.	Angin, M., et. al.	J. Infectious Disease	[Epub]	23-Mar-14
Pathogens	SOD1 plasma level as a biomarker for therapeutic failure in cutaneous Leishmaniasis.	Khoury, R., et. al.	Journal of Infectious Diseases	[Epub]	21-Mar-14
Oncology	Gallotannin Imposes S Phase Arrest in Breast Cancer Cells and Suppresses the Growth of Triple-Negative Tumors In Vivo	Zhao, T., et. al.	PLoS ONE	[Epub]	21-Mar-14
Oncology	Polyisoprenylated methylated protein methyl esterase overexpression and hyperactivity promotes lung cancer progression.	Amissah, F., et. al.	Am J Cancer Res	4(2):116-134	15-Mar-14
Methods	Reference gene stability in peripheral blood mononuclear cells determined by qPCR and NanoString.	Radke, L., et. al.	Microchimica Acta	[Epub]	14-Mar-14
Developmental and Systems Biology	Comprehensive analysis of gene expression in human retina and supporting tissues.	Li, M., et. al.	Hum Mol. Gen.	[Epub]	14-Mar-14
Regulatory Biology	C9orf72 nucleotide repeat structures initiate molecular cascades of disease.	Haeusler, A. R., et. al.	Nature	[Epub]	13-Mar-14
Signatures	Analytical validation of the PAM50-based Prosigna Breast Cancer Prognostic Gene Signature Assay and nCounter Analysis System using Formalin-fixed paraffin-embedded breast tumor specimens.	Neilsen, T., et. al.	BMC Cancer	[Epub]	13-Mar-14
Oncology	Deep Sequencing Identifies IDH1 Mutation in Adult Medulloblastoma.	Snuderl, M., et. al.	J. Clinical Oncology	[Epub]	10-Mar-14
Oncology	SPARC promotes leukemic cell growth and predicts acute myeloid leukemia outcome.	Alachkar, H., et. al.	JCI	[Epub]	8-Mar-14
Immunology	Common Genetic Variants Modulate Pathogen-Sensing Responses in Human Dendritic Cells.	Lee, M. N. et. al.	Science	[Epub]	7-Mar-14
Regulatory Small RNA	Rectal microRNAs are perturbed in pediatric inflammatory bowel disease of the colon.	Zahm, A. M. et. al.	J Crohns and Colitis	[Epub]	7-Mar-14
Regulatory Biology	The Hippo Transducer TAZ Interacts with the SWI/SNF Complex to Regulate Breast Epithelial Lineage Commitment.	Skibinski, A., et. al.	Cell Reports	[Epub]	6-Mar-14
Other Species	General approach for in vivo recovery of cell type specific effector gene sets.	Barsi, J. C., et. al.	Genome Res.	[Epub]	6-Mar-14
Signatures	Nanostring-Based Multigene Assay to Predict Recurrence for Gastric Cancer Patients after Surgery.	Lee, J., et. al.	PLoS ONE	[Epub]	5-Mar-14
Regulatory Small RNA	Long-range interaction and correlation between MYC enhancer and oncogenic long noncoding RNA CARLo-5.	Kim, T., et. al.	PNAS	[Epub]	4-Mar-14

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Immunology	IFN-gamma AU-rich element removal promotes chronic IFN-gamma expression and autoimmunity in mice.	Hodge D.L. et. al.	J Autoimmunity	[Epub]	28-Feb-14
Regulatory Biology	Hippo Signaling Regulates Microprocessor and Links Cell-Density-Dependent miRNA Biogenesis to Cancer.	Mori, M., et. al.	Cell	[Epub]	27-Feb-14
Oncology	Duration of the pre-diagnostic interval in medulloblastoma is subgroup dependent.	Ramaswamy, V., et. al.	Pediatr Blood Cancer.	[Epub]	25-Feb-14
Oncology	ClearCode34: A prognostic risk predictor for localized clear cell renal cell carcinoma.	Brooks, S. A et. al.	European Urology	[Epub]	25-Feb-14
Other Species	Encoding regulatory state boundaries in the pregastrular oral ectoderm of the sea urchin embryo.	Li, E., et. al.	PNAS	[Epub]	20-Feb-14
Other Species	UVB-induced gene expression in the skin of Xiphophorus maculatus Jp 163 B.	Yang, K., et. al.	Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology	[Epub]	17-Feb-14
Other Species	Genome-wide analysis of the skeletogenic gene regulatory network of sea urchins.	Rafiq, K., et. al.	Development	[Epub]	15-Feb-14
Oncology	Dissection of immune gene networks in primary melanoma tumors critical for anti-tumor surveillance of patients with stage II-III resectable disease.	Sivendran, S., et. al.	Journal of Investigative Dermatology	[Epub]	12-Feb-14
NeuroBiology	The familial Alzheimer's disease APPV717I mutation alters APP processing and Tau expression in iPSC-derived neurons.	Muratore, C. R., et. al.	Hum. Mol. Gen.	[Epub]	12-Feb-14
Developmental and Systems Biology	Aged rats are hypo-responsive to acute restraint: implications for psychosocial stress in aging.	Buechel, H. M., et. al.	Front Aging Neurosci.	[Epub]	12-Feb-14
Regulatory Small RNA	Human platelet microRNA-mRNA networks associated with age and gender revealed by integrated plateletomics.	Simon, L. M., et. al.	Blood	[Epub]	12-Feb-14
Developmental and Systems Biology	CXCL10 is critical for the progression and maintenance of depigmentation in a mouse model of vitiligo.	Rashighi, M., et. al.	Science Translational Medicine	[Epub]	12-Feb-14
Liver Disease	Acute Pyelonephritis in Renal Allografts- A New Role for MicroRNAs?	Oghuma, S., et. al.	Transplantation	[Epub]	11-Feb-14
Oncology	The PAM50 risk-of-recurrence score predicts risk for late distant recurrence after endocrine therapy in postmenopausal women with endocrine-responsive early breast cancer.	Filipits, M., et. al.	Clin. Cancer Res.	[Epub]	11-Feb-14
Developmental and Systems Biology	Expression and function of transcription factor cMyb during cranial neural crest development.	Bet.ancur, P., et. al.	Mechanisms of Development	[Epub]	6-Feb-14

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Oncology	Androgen receptor status is a prognostic marker in non-basal triple negative breast cancers and determines novel therapeutic options.	Gasparini, P., et. al.	PLoS ONE	[Epub]	5-Feb-14
Methods	Statistical analysis of differential gene expression relative to a fold change threshold on NanoString data of mouse odorant receptor genes.	Vaes, E., et.. al.	BMC Bioinformatics	[Epub]	4-Feb-14
Oncology	HIP1-ALK, A Novel ALK Fusion Variant that Responds to Crizotinib.	Fang, D. D., et. al.	J Thorac Oncol.	[Epub]	3-Feb-14
Oncology	Molecular profiling of the residual disease of triple-negative breast cancers after neoadjuvant chemotherapy identifies actionable therapeutic targets.	Balko, J. M., et. al.	Cancer Discovery	4:232 - 245.	1-Feb-14
Oncology	Integrative analysis of 1q23.3 copy number gain in metastatic urothelial carcinoma.	Riester, M., et. al.	Clin. Cancer Res.	[Epub]	31-Jan-14
Oncology	Validation of a prognostic multi-gene signature in high-risk neuroblastoma using the high throughput digital NanoString nCounter™ system.	Stricker, T. P., et. al.	Molecular Oncology	[Epub]	31-Jan-14
Oncology	Transcriptome profiling of archived sectioned Formalin-Fixed Paraffin-Embedded (AS-FFPE) tissue for disease classification.	Kojima, K., et. al.	PLoS ONE	[Epub]	30-Jan-14
Regulatory Small RNA	STAT3 induction of miR-146b forms a feedback loop to inhibit the NF-κB to IL-6 signaling axis and STAT3-driven cancer phenotypes.	Xiang, M., et. al.	Sci Signal	[Epub]	28-Jan-14
Developmental and Systems Biology	A screen for short-range paracrine interactions.	Spencer, K. H., et. al.	Integrative Biology	[Epub]	24-Jan-14
Regulatory Small RNA	Genetic validation of the protein arginine methyltransferase PRMT5 as a candidate therapeutic target in Glioblastoma.	Yan, F., et. al.	Cancer Res.	[Epub]	22-Jan-14
Immunology	Rift Valley fever virus infection induces activation of the NLRP3 inflammasome.	Ermler, M. E., et. al.	Virology	Vol. 449:174-80.	20-Jan-14
Regulatory Small RNA	Robust global microRNA expression profiling using next-generation sequencing technologies.	Tam, S., et. al.	Lab Invest	[Epub]	20-Jan-14
Cardiovascular	Digital multiplexed mRNA analysis of functionally important genes in single human oocytes and correlation of changes in transcript levels with oocyte protein expression.	Riris, S., et. al.	Fertility and Sterility	[Epub]	17-Jan-14
Other Species	ANGUSTIFOLIA3 binds to SWI/SNF chromatin remodeling complexes to regulate transcription during Arabidopsis leaf development.	Vercruyssen, L., et. al.	Plant Cell	[Epub]	17-Jan-14
Oncology	BET bromodomain proteins are required for glioblastoma cell proliferation.	Pastori, C., et. al.	Epigenetics	[Epub]	17-Jan-14
Methods	Cancer cell profiling by barcoding allows multiplexed protein analysis in fine-needle aspirates.	Ullal, A. V., et. al.	Sci Trans. Med.	6(219): 219a9	15-Jan-14

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Immunology	The autoimmune disease-associated transcription factors EOMES and TBX21 are dysregulated in multiple sclerosis and define a molecular subtype of disease.	Parnell, G. P., et. al.	Clinical Immunology	[Epub]	15-Jan-14
Oncology	Invasive lobular carcinoma cell lines are characterized by unique estrogen-mediated gene expression patterns and altered tamoxifen response.	Sikora, M. J., et. al.	Cancer Res.	[Epub]	14-Jan-14
Copy Number Variant	Frequent copy number variations of PI3K/AKT pathway and aberrant protein expressions of PI3K subunits are associated with inferior survival in diffuse large B cell lymphoma.	Cui, W., et. al.	J. Trans. Med.	[Epub]	13-Jan-14
Regulatory Small RNA	Expression changes in human skeletal muscle miRNAs following 10 days of bed rest in young healthy males.	Rezen, T., et. al.	Acta. Physiologica.	[Epub]	11-Jan-14
Oncology Fusions	A single-tube multiplexed assay for detecting ALK, ROS1, and RET fusions in lung cancer.	Lira, M. E., et. al.	J. Molecular Diagnostics	[Epub]	10-Jan-14
Oncology	Aberrant CDK4 amplification in refractory Rhabdomyosarcoma as identified by genomic profiling.	Park, S., et. al.	Sci Rep.	[Epub]	10-Jan-14
Other Species	Inference of the <i>Xenopus tropicalis</i> embryonic regulatory network and spatial gene expression patterns.	Zheng, Z., et. al.	BMC Systems Biology	[Epub]	8-Jan-14
Oncology	Determining cell-of-origin subtypes of diffuse large B-cell lymphoma using gene expression in formalin-fixed paraffin embedded tissue.	Scott, D. W., et. al.	Blood	[Epub]	7-Jan-14
Stem Cell Technology	Generation of iPSC lines from archived non-cryoprotected biobanked dura mater.	Sproul, A. A., et. al.	Acta Neuropathologica Commun.	[Epub]	7-Jan-14
NeuroBiology	RNA-sequencing of the brain transcriptome implicates dysregulation of neuroplasticity, circadian rhythms and GTPase binding in bipolar disorder.	Akula, N., et. al.	Molecular Psychiatry.	[Epub]	7-Jan-14
Immunology	Pro-inflammatory human Th17 cells selectively express P-glycoprotein and are refractory to glucocorticoids.	Ramesh, R., et. al.	J. Exp. Med.	[Epub]	6-Jan-14
Regulatory Biology	Secretory antibodies in breast milk promote long-term intestinal homeostasis by regulating the gut microbiota and host gene expression.	Rogier, E. W., et. al.	PNAS	[Epub]	6-Jan-14
Regulatory Small RNA	Inhibition of ZEB1 by miR-200 characterizes <i>Helicobacter pylori</i> -positive gastric diffuse large B-cell lymphoma with a less aggressive behavior.	Huang, W-T, et. al.	Mod. Pathol.	[Epub]	3-Jan-14
Regulatory Small RNA	A differential microRNA profile distinguishes cholangiocarcinoma from pancreatic adenocarcinoma.	Collins, A. L., et. al.	Annals of Surgical Oncology	21(1):133-138	1-Jan-14
Biofluids	Forensic body fluid identification by analysis of multiple RNA markers using NanoString technology.	Park, J-L., et. al.	Genomics Inform	[Epub]	31-Dec-13
Regulatory Biology	Widespread RNA metabolism impairment in sporadic inclusion body myositis TDP43-proteinopathy.	Cortese, A., et. al.	Neurobiology of Aging	[Epub]	30-Dec-13

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Diabetes	Sequence variants in SLC16A11 are a common risk factor for type 2 diabetes in Mexico.	Williams, A., et. al.	Nature	[Epub]	25-Dec-13
NeuroBiology	G protein-linked signaling pathways in bipolar and major depressive disorders.	Tomita, H., et. al.	Front. Genet.	[Epub]	23-Dec-13
Immunology	Cartilage oligomeric matrix protein in idiopathic pulmonary fibrosis.	Vuga, L. J., et. al.	PLoS ONE	[Epub]	20-Dec-13
Oncology	Genomic analyses across six cancer types identify basal-like breast cancer as a unique molecular entity.	Prat A. et. al.	Scientific Reports	[Epub]	18-Dec-13
NeuroBiology	Deep sequencing and high-resolution imaging reveal compartment-specific localization of Bdnf mRNA in hippocampal neurons.	Will, T. J., et. al.	Sci. Signal	[Epub]	17-Dec-13
Oncology	Ascites analysis by a microfluidic chip allows tumor-cell profiling.	Pet.erson, V. M., et. al.	PNAS	[Epub]	17-Dec-13
Oncology	Identifying molecular features that distinguish fluvastatin-sensitive breast tumor cells.	Goard, C. A., et. al.	Breast Cancer Res Treat	[Epub]	17-Dec-13
Immunology	Modulation of p25 and inflammatory pathways by fisetin maintains cognitive function in Alzheimer's disease transgenic mice.	Currais, A., et. al.	Aging Cell	[Epub]	17-Dec-13
Oncology	Predicting distant recurrence in receptor-positive breast cancer patients with limited clinicopathological risk: using the PAM50 Risk of Recurrence score in 1478 postmenopausal patients of the ABCSG-8 trial treated with adjuvant endocrine therapy alone.	Gnant, M., et. al.	Annals Oncol.	[Epub]	16-Dec-13
Regulatory Biology	TCDD dysregulation of 13 AHR-target genes in rat liver.	Watson, J. D., et. al.	Toxicology and Applied Pharmacology	[Epub]	16-Dec-13
Oncology	A personalized preclinical model to evaluate the metastatic potential of patient-derived colon cancer initiating cells.	Puig, I., et. al.	Clin Cancer Res.	[Epub]	15-Dec-13
Methods	Digital mRNA profiling of N-glycosylation gene expression in recombinant Chinese hamster ovary cells treated with sodium butyrate.	Lee S-M. et. al.	J. Biotechnol.	[Epub]	12-Dec-13
Regulatory Biology	Parathyroid-specific deletion of Klotho unravels a novel calcineurin-dependent FGF23 signaling pathway that regulates PTH secretion.	Olauson, H., et. al.	PLoS Genetics	[Epub]	12-Dec-13
Developmental and Systems Biology	Inferring developmental stage composition from gene expression in human malaria.	Joice R. et. al.	PLoS Computational Biol.	[Epub]	12-Dec-13
Methods	TE-array-a high throughput tool to study transposon transcription.	Gnanakkan, V. P., et. al.	BMC Genomics	[Epub]	10-Dec-13
Oncology	Rb loss is characteristic of prostatic small cell neuroendocrine carcinoma.	Tan S. et. al.	Clin. Cancer Res.	[Epub]	9-Dec-13
Other Species	The Cryptococcus neoformans Rim101 transcription factor directly regulates genes required for adaptation to the host.	O' Meara, T. R., et. al.	MCB	[Epub]	9-Dec-13
NeuroBiology	Identification of a unique TGF-β-dependent molecular and functional signature in microglia	Butovsky, O., et. al.	Nature Neuroscience	[Epub]	8-Dec-13

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Regulatory Small RNA	A novel C19MC amplified cell line links Lin28/let-7 to mTOR signaling in embryonal tumor with multilayered rosettes.	Spence, T., et. al.	Neuro-Oncology	[Epub]	4-Dec-13
NeuroBiology	Alternative polyadenylation and differential expression of Shank mRNAs in the synaptic neuropil.	Epstein, I., et. al.	Phil Trans R Soc B.	[Epub]	2-Dec-13
Oncology	RNA sequencing identifies multiple fusion transcripts, differentially expressed genes, and reduced expression of immune function genes in BRAF (V600E) mutant vs BRAF wild-type papillary thyroid carcinoma.	Smallridge, R.C., et. al.	Journal of Clinical Endocrinology & Metabolism	[Epub]	2-Dec-13
Regulatory Biology	Sip1 mediates an E-cadherin-to-N-cadherin switch during cranial neural crest EMT.	Rogers, C.D., et. al.	JCB	203(5): 835-847.	2-Dec-13
Oncology	BET-bromodomain inhibition of MYC-amplified Medulloblastoma.	Bandopadhyay, P., et. al.	Clin. Cancer Res.	[Epub]	2-Dec-13
Oncology	Dynamic impacts of the inhibition of the molecular chaperone Hsp90 on the T-cell proteome have implications for anti-cancer therapy.	Fierro-Monti, I., et. al.	PLoS ONE	[Epub]	27-Nov-13
NeuroBiology	Clinical relevance and functional consequences of the TNFRSF1A multiple sclerosis locus.	Ottoboni, L., et. al.	Neurology	81:1891-1899.	26-Nov-13
Other Species	Quantitative developmental transcriptomes of the sea urchin <i>Strongylocentrotus purpuratus</i>	Tu, Q., et. al.	Developmental Biol.	[Epub]	26-Nov-13
NeuroBiology	Epigenome-wide differences in pathology-free regions of multiple sclerosis-affected brains.	Huynh,, J. L., et. al.	Nature Neuroscience	[Epub]	24-Nov-13
Oncology	Gene expression, single nucleotide variant and fusion transcript discovery in archival material from breast tumors.	Norton, N., et. al.	PLoS ONE	[Epub]	22-Nov-13
Oncology	Commensal bacteria control cancer response to therapy by modulating the tumor microenvironment.	Lida N., et. al.	Science	[Epub]	22-Nov-13
Oncology	Predicting degree of benefit from adjuvant Trastuzumab in NSABP trial B-31.	Pogue-Geile, K. L., et. al.	J Natl Cancer Inst.	[Epub]	21-Nov-13
Other Species	Application of a non-amplification based technology to detect invasive fungal pathogens.	Hsu, J. L., et. al.	Diagnostic Microbiology and Infectious Disease.	[Epub]	21-Nov-13
Oncology	Clinical characteristics associated with ALK rearrangements in never-smokers with pulmonary adenocarcinoma.	Sun, J. M., et. al.	Lung Cancer	[Epub]	20-Nov-13
Oncology	AT-101 downregulates BCL2 and MCL1 and potentiates the cytotoxic effects of lenalidomide and dexamethasone in preclinical models of multiple myeloma and Waldenström macroglobulinaemia.	Paulus, A., et. al.	British J. Haematol.	[Epub]	17-Nov-13
Other Species	Transcriptional profiling of adult <i>Drosophila antennae</i> by high-throughput sequencing.	Shiao M-S. et. al.	Zoological Studies	[Epub]	13-Nov-13

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Oncology	Quantitative assessment of intragenic receptor tyrosine kinase deletions in primary glioblastomas: their prevalence and molecular correlates.	Kastenhuber, E. R., et. al.	Acta Neuropathol	[Epub]	13-Nov-13
Biofluids	Circulating Mir-16 and Mir-25 As New Prognosticators For Multiple Myeloma.	Pichiorri, F., et. al.	Blood	[Epub]	13-Nov-13
Copy Number Variant	Massively-parallel sequencing assists the diagnosis and guided treatment of cancers of unknown primary.	Tohill, R. W., et. al.	Journal of Pathology	[Epub]	12-Nov-13
Regulatory Biology	Site-2 protease substrate specificity and coupling in trans by a PDZ-substrate adapter protein.	Schneider, J. S., et. al.	PNAS	[Epub]	11-Nov-13
Regulatory Small RNA	Racial differences in human platelet PAR4 reactivity reflect expression of PCTP and miR-376c.	Edelstein, L. C., et. al.	Nature Medicine	[Epub]	10-Nov-13
Oncology	Genome-wide identification and functional analyses of microRNA signatures associated with cancer pain.	Bali, K. K., et. al.	EMBO Molecular Medicine	5(11):1740-1758.	7-Nov-13
Methods	Assessment of transcript reconstruction methods for RNA-seq.	Steijger, T., et. al.	Nature Methods	[Epub]	3-Nov-13
Oncology	NF-κB-mediated Pax7 dysregulation in the muscle microenvironment promotes cancer cachexia.	He, W. A., et. al.	JCI	123(11):4821-35.	1-Nov-13
Cardiovascular	Renin-sensitive microRNAs correlate with atherosclerosis plaque progression.	Deiuliis, J., et. al.	J Human Hypertension	[Epub]	24-Oct-13
Oncology	A functional interaction of E7 with B-Myb-MuvB complex promotes acute cooperative transcriptional activation of both S- and M-phase genes. (129 c).	Pang, C. L., et. al.	Oncogene	[Epub]	21-Oct-13
Oncology	Recurrence patterns across medulloblastoma subgroups: an integrated clinical and molecular analysis.	Ramaswamy, V., et. al.	The Lancet Oncology	[Epub]	17-Oct-13
NeuroBiology	RNA toxicity from the ALS/FTD C9ORF72 expansion is mitigated by antisense intervention.	Donnelly, C. J., et. al.	Neuron	80(2):415-428	16-Oct-13
Pathogens	Pathogen signatures activate a ubiquitination pathway that modulates the function of the metabolic checkpoint kinase mTOR.	Ivanov, S. S., et. al.	Nature Immunol.	[Epub]	13-Oct-13
Oncology	Silencing the double-stranded RNA binding protein DGCR8 inhibits ovarian cancer cell proliferation, migration, and invasion.	Guo, Y., et. al.	Pharm. Res.	[Epub]	12-Oct-13
Oncology	The somatic genomic landscape of glioblastoma.	Brennan, C. W., et. al.	Cell	155(2):462-77.	10-Oct-13
Other Species	Cytokinin induces cell division in the quiescent center of the Arabidopsis root apical meristem.	Zhang, W., et. al.	Current Biol.	[Epub]	10-Oct-13
Other Species	Potato MYB and bHLH transcription factors associated with anthocyanin intensity and common scab resistance.	Tai, H. H., et. al.	Botany	91(10): 722-730.	10-Oct-13
Oncology	TERT promoter mutations are highly recurrent in SHH subgroup medulloblastoma.	Remke, M., et. al.	Acta Neuropathologica	[Epub]	10-Oct-13

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Regulatory Small RNA	A key role of microRNA-29b for the suppression of colon cancer cell migration by american ginseng.	Poudyal, D., et. al.	PLoS ONE	[Epub]	9-Oct-13
Regulatory Small RNA	MicroRNAs co-operatively inhibit a network of tumor suppressor genes to promote pancreatic tumor growth and progression.	Frampton, A. E., et. al.	Gastroenterology	[Epub]	9-Oct-13
Regulatory Biology	Unraveling a novel transcription factor code determining the human arterial-specific endothelial cell signature.	Aranguren, X. L., et. al.	Blood	[Epub]	9-Oct-13
Oncology	Performance comparison of digital microRNA profiling technologies applied on human breast cancer cell lines.	Knutsen, E., et. al.	PLoS ONE	[Epub]	8-Oct-13
Immunology	Interferon-dependent IL-10 production by Tregs limits tumor Th17 inflammation.	Stewart, C.A., et. al.	JCI	[Epub]	8-Oct-13
Other Species	Following gene duplication, paralog interference constrains transcriptional circuit evolution.	Baker, C. R., et. al.	Science	342, 6154: 104-108	4-Oct-13
Oncology	ABC transporter activity linked to radiation resistance and molecular subtype in pediatric medulloblastoma.	Ingram, W.J., et. al.	Experimental Hematology & Oncology	[Epub]	4-Oct-13
Single Cell	Mapping cellular hierarchy by single-cell analysis of the cell surface repertoire.	Guo, G., et. al.	Cell Stem Cell	[Epub ahead of time].	3-Oct-13
Oncology	MyoD Is a tumor suppressor gene in Medulloblastoma.	Dey, J., et. al.	Cancer Res.	[Epub]	3-Oct-13
Oncology Fusions	A chimeric RNA characteristic of Rhabdomyosarcoma in normal myogenesis.	Yuan, H., et. al.	Cancer Discovery	[Epub]	2-Oct-13
Other Species	New regulatory circuit controlling spatial and temporal gene expression in the sea urchin embryo oral ectoderm GRN.	Li, E., et. al.	Dev. Biol.	382, 1: 268-279	1-Oct-13
Oncology	Aldehyde dehydrogenase-1a1 induces oncogene suppressor genes in B cell populations	Yasmeen, R., et. al.	BBA-Molecular Cell Res.	[Epub]	27-Sep-13
Oncology	Subtype-specific MEK-PI3 kinase feedback as a therapeutic target in pancreatic adenocarcinoma.	Mirzoeva, O. K., et. al.	Mol Cancer Ther.	[Epub]	26-Sep-13
NeuroBiology	Transcriptional mechanisms underlying sensitization of peripheral sensory neurons by Granulocyte-/Granulocyte-macrophage colony stimulating factors.	Bali, K. K., et. al.	Molecular Pain	[Epub]	25-Sep-13
Oncology	Targeting sonic hedgehog-associated medulloblastoma through inhibition of aurora and polo-like kinases.	Markant, S. L., et. al.	Cancer Res.	[Epub]	25-Sep-13
Regulatory Small RNA	microRNA-140 targets RALA and regulates chondrogenic differentiation of human mesenchymal stem cells by translational enhancement of SOX9 and ACAN.	Karlsen, T. A., et. al.	Stem Cells and Dev.	[Epub]	24-Sep-13

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Immunology	MicroRNAs responsive to <i>Aggregatibacter actinomycetemcomitans</i> and <i>Porphyromonas gingivalis</i> LPS modulate expression of genes regulating innate immunity in human macrophages.	Naqvi, A. R., et. al.	Innate Immunity	[Epub]	23-Sep-13
Oncology	CSF-1R inhibition alters macrophage polarization and blocks glioma progression.	Pyonteck, S. M., et. al.	Nature Medicine	[Epub]	22-Sep-13
Copy Number Variant	Expansion of a 12-kb VNTR containing the REXO1L1 gene cluster underlies the microscopically visible euchromatic variant of 8q21.2.	Tyson, C., et. al.	European Journal of Human Genetics	[Epub]	18-Sep-13
Oncology	Human pancreatic cancer contains a side population expressing cancer stem cell-associated and prognostic genes.	Van den Broeck, A., et. al.	PLoS ONE	8(9): e73968.	17-Sep-13
Oncology	Potential biomarkers of long-term benefit from single-agent trastuzumab or lapatinib in HER2-positive metastatic breast cancer.	Montemurro, F., et. al.	Molecular Oncology	[Epub]	13-Sep-13
Oncology	Molecular classification of mature aggressive B-cell lymphoma using digital multiplexed gene expression on formalin-fixed paraffin-embedded biopsy specimens.	Masqué-Soler, N., et. al.	Blood	122:1985-1986	12-Sep-13
Oncology	Factors predicting late recurrence for estrogen receptor-positive breast cancer.	Sestak, I., et. al.	J Natl Cancer Inst.	[Epub]	12-Sep-13
Other Species	Growth factor-mediated mesodermal cell guidance and skeletogenesis during sea urchin gastrulation.	Adomako-Ankomah, A., et. al.	Development	[Epub]	11-Sep-13
Other Species	Post-transcriptional mechanisms contribute to Etv2 repression during vascular development.	Moore, J. C., et. al.	Dev. Biol.	[Epub]	11-Sep-13
Oncology	Gene Expression Profiling using Nanostring Digital RNA Counting to Identify Potential Target Antigens for Melanoma Immunotherapy.	Beard, R. E., et. al.	Clin. Can. Res.	[Epub]	10-Sep-13
Regulatory Biology	U1 small nuclear ribonucleoprotein complex and RNA splicing alterations in Alzheimer's disease.	Bai, B., et. al.	PNAS	[Epub]	10-Sep-13
Oncology	Personalizing the treatment of pediatric medulloblastoma: Polo-like kinase PLK1 as a molecular target in high-risk children	Triscott, J., et. al.	Cancer Res.	[Epub]	9-Sep-13
Regulatory Small RNA	Alteration of the microRNA network during the progression of Alzheimer's disease.	Lau, P., et. al.	EMBO Molecular Med.	5(10): 1613-1634.	9-Sep-13
Oncology	A novel algorithm for simplification of complex gene classifiers in cancer.	Wilson, R. A., et. al.	Cancer Res.	73(18):5625-32.	6-Sep-13
NeuroBiology	The changing brain--insights into the mechanisms of neural and behavioral adaptation to the environment.	Bergersen, L. H., et. al.	Neuroscience	247:412-422	5-Sep-13
Other Species	Profiling of <i>Candida albicans</i> gene expression during Intra-abdominal candidiasis Identifies biologic processes Involved in pathogenesis.	Cheng, S., et.. al.	J. Infect.Dis.	[Epub]	4-Sep-13
Oncology	Type-specific cell line models for type-specific ovarian cancer research.	Anglesio, M. S., et. al.	PLoS ONE	8(9): e72162	4-Sep-13

CATEGORY	TITLE	AUTHOR(S)	PUBLICATION	PAGE	DATE
Methods	Discovery of biomarkers of endometrial receptivity through a minimally invasive approach: a validation study with implications for assisted reproduction.	Chan, C., et. al.	Fertility and Sterility	100, 3: 810-817	3-Sep-13
Formalin-Fixed Paraffin-Embedded	Quantitation of gene expression in formaldehyde-fixed and fluorescence-activated sorted cells.	Russell, J. N., et. al.	PLoS ONE	8(9): e73849.	2-Sep-13
Immunology	Synthetic Oligodeoxynucleotides Containing Suppressive TTAGGG Motifs Inhibit AIM2 Inflammasome Activation.	Kaminski, J. J., et. al.	J. Immunol.	[Epub]	28-Aug-13
Immunology	Expression profiling of TCR-engineered T cells demonstrates overexpression of multiple inhibitory receptors in persisting lymphocytes.	Abate-Daga, D., et. al.	Blood	122: 8; 1399-1410	22-Aug-13
Other Species	H2A.Z acidic patch couples chromatin dynamics to regulation of gene expression programs during ESC differentiation.	Subramanian, V., et. al.	PLoS Genetics	[Epub]	22-Aug-13
Regulatory Biology	SUMOylation negatively modulates target gene occupancy of the KDM5B, a histone lysine demethylase.	Bueno, M. T. D., et. al.	Epigenetics	[Epub]	22-Aug-13
Developmental and Systems Biology	Temporal patterns of odorant receptor gene expression in adult and aged mice	Khan, M., et. al.	Molecular and Cellular Neuroscience	[Epub]	17-Aug-13
Immunology	Insulin-dependent diabetes induced by pancreatic beta cell expression of IL-15 and IL-15R α .	Chen, J., et. al.	PNAS	110, (33): 13534-13539	13-Aug-13
Oncology	Overcoming Resistance to Sonic Hedgehog Inhibition by Targeting p90 Ribosomal S6 Kinase in Pediatric Medulloblastoma.	Pambid, M. R., et. al.	Pediatr Blood Cancer	[Epub]	12-Aug-13
Other Species	Decreased defense gene expression in tolerance versus resistance to <i>Verticillium dahliae</i> in potato.	Tai, H. H., et. al.	Functional & Integrative Genomics	13: 367-378.	10-Aug-13
Other Species	A comparative analysis of industrial <i>Escherichia coli</i> K-12 and B strains in high-glucose batch cultivations on process-, transcriptome- and proteome level.	Marisch, K., et. al.	PLoS ONE	[Epub]	8-Aug-13
Immunology	Immunobiology of human mucin 1 in a preclinical ovarian tumor model.	Budiu, R. A., et. al.	Oncogene	[Epub]	8-Aug-13
Oncology	The Curcumin Analog EF24 Targets NF- κ B and miRNA-21, and Has Potent Anticancer Activity In Vitro and In Vivo	Yang, C.H., et. al.	PLoS ONE	[Epub]	7-Aug-13
Immunology	Overexpression of Membrane-Bound Fas Ligand (CD95L) Exacerbates Autoimmune Disease and Renal Pathology in Pristane-Induced Lupus	Bossaller, L., et. al.	J. Immunol.	[Epub]	5-Aug-13
Immunology	Elevated levels of leukotriene C4 synthase mRNA distinguish a subpopulation of eosinophilic oesophagitis patients.	Lexmond, W.S., et. al.	Clin Exp Allergy	43(8):902-13.	2-Aug-13
Cardiovascular	p90 ribosomal S6 kinase 3 contributes to cardiac insufficiency in alpha-tropomyosin Glu180Gly transgenic mice.	Passariello, C.L., et. al.	Am J Physiol Heart Circ Physiol.	[Epub]	2-Aug-13

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Regulatory Small RNA	A Long Noncoding RNA Mediates Both Activation and Repression of Immune Response Genes.	Carpenter, S., et. al.	Science	[Epub]	1-Aug-13
Regulatory Small RNA	Circulating miRNA Biomarkers for Alzheimer's Disease.	Kumar, P., et. al.	PLoS ONE	[Epub]	29-Jul-13
Other Species	Neuropeptides: Developmental signals in placode progenitor formation.	Lleras-Forero, L., et. al.	Dev. Cell	26(2):195-203.	29-Jul-13
Other Species	Protein-DNA binding dynamics predict transcriptional response to nutrients in archaea	Todor, H., et. al.	NAR	[Epub]	26-Jul-13
Other Species	Analysis of the Elodea nuttallii Transcriptome in Response to Mercury and Cadmium Pollution: Development of Sensitive Tools for Rapid Ecotoxicological Testing.	Regier, N., et. al.	Environ Sci Technol	[Epub]	25-Jul-13
Regulatory Small RNA	The human TUT1 Nucleotidyl Transferase as a global regulator of microRNA abundance	Knouf, E.C., et. al.	PLoS ONE	[Epub]	22-Jul-13
Oncology	Tight coordination of protein translation and HSF1 activation supports the anabolic malignant state	Santagata, S., et. al.	Science	[Epub]	19-Jul-13
Immunology	Modulation of the complement system in monocytes contributes to tuberculosis-associated immune reconstitution inflammatory syndrome.	Tran, H. T., et. al.	Aids	27(11):1725-1734.	17-Jul-13
Regulatory Biology	Association between In Utero arsenic exposure, placental gene expression, and infant birth weight: a US birth cohort study.	Fei, D. L., et. al.	Environmental Health	[Epub]	16-Jul-13
Oncology	Up-regulation of proliferative and migratory genes in regulatory T cells from patients with metastatic castration-resistant prostate cancer.	Huen, N-Y., et. al.	International Journal of Cancer	133(2):373-382.	15-Jul-13
Oncology	Subgroup-specific prognostic implications of TP53 Mutation in Medulloblastoma.	Zhukova, N., et. al.	JCO	[Epub]	8-Jul-13
Immunology	Deciphering the modulation of gene expression by type I and II interferons combining 4sU-tagging, translational arrest and in silico promoter analysis.	Trilling, M., et. al.	Nucleic Acids Res	[Epub]	5-Jul-13
Oncology	Comparison of PAM50 Risk of Recurrence Score With Oncotype DX and IHC4 for Predicting Risk of Distant Recurrence After Endocrine Therapy.	Dowset, T. M., et. al.	J. Clin. Oncol.	[Epub]	1-Jul-13
Oncology	Combination of Protein Coding and Noncoding Gene Expression as a Robust Prognostic Classifier in Stage I Lung Adenocarcinoma.	Akagi, I., et. al.	Cancer Res.	73(13):3821-3832.	1-Jul-13
Regulatory Small RNA	miRNA Signature of Mouse Helper T Cell Hyper-Proliferation.	Sommers, C. L., et. al.	PLoS ONE	8(6):e66709.	25-Jun-13
Copy Number Variant	The complex SNP and CNV genetic architecture of the increased risk of congenital heart defects in Down Syndrome.	Sailani, M. R., et. al.	Genome Res.	[Epub]	19-Jun-13

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Immunology	Higher expression of several interferon-stimulated genes in HIV-1-infected females after adjusting for the level of viral replication.	Chang, J. J., et. al.	J Infect Dis.	[Epub]	10-Jun-13
Developmental and Systems Biology	A novel pathway spatiotemporally activates Rac1 and redox signaling in response to fluid shear stress.	Liu, Y., et. al.	J Cell Biol.	201(6):863-73.	10-Jun-13
NeuroBiology	Blood RNA profiling in a large cohort of multiple sclerosis patients and healthy controls.	Nickles, D., et. al.	Hum Mol Genet.	[Epub]	6-Jun-13
Immunology	Lymphoid to Myeloid Cell Trans-Differentiation Is Determined by C/EBP β Structure and Post-Translational Modifications	Stoilova, B., et. al.	PLoS ONE	[Epub]	5-Jun-13
Regulatory Small RNA	MicroRNA-128 coordinately targets Polycomb Repressor Complexes in glioma stem cells.	Peruzzi, P., et. al.	Neuro Oncol.	[Epub]	3-Jun-13
Oncology	Zbtb7a suppresses prostate cancer through repression of a Sox9-dependent pathway for cellular senescence bypass and tumor invasion.	Wang, G., et. al.	Nature Genetics	[Epub]	2-Jun-13
Regulatory Small RNA	Lrf suppresses prostate cancer through repression of a Sox9-dependent pathway for cellular senescence bypass and tumor invasion.	Wang, G., et. al.	Nature Genetics	[Epub]	2-Jun-13
Regulatory Biology	Comparative transcription profiling and in-depth characterization of plasmid-based and plasmid-free Escherichia coli expression systems under production conditions.	Mairhofer, J., et. al.	Appl Environ Microbiol	79(12):3802-12.	1-Jun-13
Other Species	Temperature, light and nitrate sensing coordinate Arabidopsis seed dormancy cycling, resulting in winter and summer annual phenotypes.	Footitt, S., et. al.	The Plant Journal	74(6):1003-15.	1-Jun-13
Oncology	Digital quantification of gene expression in sequential breast cancer biopsies reveals activation of an immune response.	Jeselsohn, R. M., et. al.	PloS One	[Epub]	31-May-13
Methods	Discovery of biomarkers of endometrial receptivity through a minimally invasive approach: a validation study with implications for assisted reproduction.	Chan, C., et. al.	Fertil Steril.	[Epub]	30-May-13
Regulatory Small RNA	Toll-like receptor 3 (TLR3) activation induces microRNA-dependent reexpression of functional RAR β and tumor regression.	Galli, R., et. al.	PNAS	[Epub]	28-May-13
Stem Cell Technology	Transcriptional and epigenetic dynamics during specification of human embryonic stem cells.	Gifford, C.A., et. al.	Cell	153(5):1149-63.	23-May-13
Immunology	IRF4 Transcription Factor-Dependent CD11b+ Dendritic Cells in Human and Mouse Control Mucosal IL-17 Cytokine Responses.	Schlitzer, A., et.. al.	Immunity	38(5):970-83.	23-May-13
Regulatory Small RNA	Cross-talk between MET and EGFR in non-small cell lung cancer involves miR-27a and Sprouty2.	Acunzo, M., et. al.	PNAS	110(21):8573-8.	21-May-13

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Regulatory Biology	Gene regulatory network for neurogenesis in a sea star embryo connects broad neural specification and localized patterning.	Yankura, K. S., et. al.	PNAS	110(21):8591-6.	21-May-13
Immunology	Mouse, but not human STING, binds and signals in response to the vascular disrupting agent 5,6-Dimethylxanthenone-4-acetic acid.	Conlon, J., et. al.	J. Immunol.	190(10):5216-25.	15-May-13
Developmental and Systems Biology	The unfolded protein response element IRE1 α senses bacterial proteins invading the ER to activate RIG-I and innate immune signaling.	Cho, J.A., et. al.	Cell Host and Microbe	13, 5: 558-569	15-May-13
Immunology	GATA2 haploinsufficiency caused by mutations in a conserved intronic element leads to MonoMAC syndrome.	Hsu, A.P., et. al.	Blood	121(19):3830-7	9-May-13
Regulatory Small RNA	Clinical role of microRNAs in cytogenetically normal acute myeloid leukemia: miR-155 upregulation independently identifies high-risk patients.	Marcucci, G., et. al.	J. Clin. Oncol.	[Epub]	6-May-13
Oncology	Deconvoluting complex tissues for expression quantitative trait locus-based analyses.	Seo, J.H., et. al.	Philos Trans R Soc Lond B Biol Sci.	368(1620):20120363.	6-May-13
Regulatory Small RNA	In vivo NCL targeting affects breast cancer aggressiveness through miRNA regulation.	Pichiorri, F., et. al.	J Exp Med.	210(5):951-68.	6-May-13
Regulatory Biology	Role of phosphatidylethanolamine in the biogenesis of mitochondrial outer membrane proteins.	Becket, T., et. al.	JBC	[Epub]	26-Apr-13
Immunology	IL-12 receptor β 1 deficiency alters in vivo T follicular helper cell response in humans.	Schmitt, N., et. al.	Blood	121(17):3375-85.	25-Apr-13
Stem Cell Technology	FoxG1 interacts with Bmi1 to regulate self-renewal and tumorigenicity of medulloblastoma stem cells.	Manoranjan, B., et. al.	Stem Cells	[Epub]	17-Apr-13
Oncology	Phosphoproteomic analysis implicates the mTORC2-FoxO1 axis in VEGF signaling and feedback activation of receptor tyrosine kinases.	Zhuang, G., et. al.	Sci. Signal	[Epub]	16-Apr-13
Regulatory Small RNA	MicroRNA expression in response to controlled exposure to diesel exhaust: Attenuation by the antioxidant n-Acetylcysteine in a randomized crossover study.	Yamamoto, M., et. al.	Environ Health Perspect.	[Epub]	12-Apr-13
Other Species	Regulatory role of glycerol in <i>Candida albicans</i> biofilm formation.	Desai, J.V., et. al.	MBio	4(2). doi:pii: e00637-12. 10.1128/mBio.00637-12.	9-Apr-13
Other Species	Notch and Nodal control forkhead factor expression in the specification of multipotent progenitors in sea urchin.	Materna, S.C., et. al.	Development	140(8):1796-806.	5-Apr-13
Plex2	Signature MicroRNA expression patterns identified in humans with 22q11.2 deletion/DiGeorge syndrome.	de la Morena, M. T., et. al.	Clin. Immunology	147(1):11-22.	5-Apr-13
Immunology	TIM3+FOXP3+ regulatory T cells are tissue-specific promoters of T-cell dysfunction in cancer.	Sakuishi, K., et. al.	OncolImmunology	2(4): e23849.	1-Apr-13

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Stem Cell Technology	Improved methods for reprogramming human dermal fibroblasts using Fluorescence Activated Cell Sorting.	Kahler, D. J., et. al.	PLoS ONE	[Epub]	28-Mar-13
Other Species	Integration of metabolic and gene regulatory networks modulates the <i>C. elegans</i> dietary response.	Watson, E., et. al.	Cell	153(1):253-66.	28-Mar-13
Other Species	Diet-induced developmental acceleration independent of TOR and insulin in <i>C. elegans</i> .	MacNeil, L. T., et. al.	Cell	153(1):240-52.	28-Mar-13
Other Species	Identification of cytokinin responsive genes using microarray meta-analysis and RNA-seq in <i>Arabidopsis thaliana</i> .	Bhargava, A., et. al.	Plant Physiol.	[Epub]	22-Mar-13
Other Species	Structured association analysis leads to insight into <i>Saccharomyces cerevisiae</i> gene regulation by finding multiple contributing eQTL hotspots associated with functional gene modules.	Curtis, R. E., et. al.	BMC Genomics.	14:196. doi: 10.1186/1471-2164-14-196.	21-Mar-13
Regulatory Biology	Deciphering molecular circuits from genetic variation underlying transcriptional responsiveness to stimuli.	Gat-Viks, I., et. al.	Nat. Biotech	[Epub]	17-Mar-13
Regulatory Biology	A KRAB/KAP1-miRNA cascade regulates erythropoiesis through stage-specific control of mitophagy.	Barde, I., et. al.	Science	[Epub]	14-Mar-13
Immunology	Dynamic regulatory network controlling TH 17 cell differentiation.	Yosef, N., et. al.	Nature	[Epub]	6-Mar-13
Regulatory Biology	GRSF1 regulates RNA processing in mitochondrial RNA granules.	Jourdain, A. A., et. al.	Cell Metabolism	[Epub]	5-Mar-13
NeuroBiology	A2E accumulation influences retinal microglial activation and complement regulation.	Ma, W., et. al.	Neurobiol Aging	34(3):943-60.	1-Mar-13
Oncology	Genomic impact of transient low-dose decitabine treatment on primary AML cells.	Klco, J. M., et. al.	Blood	121, 9: 1633-1643	28-Feb-13
Regulatory Biology	Circular RNAs are a large class of animal RNAs with regulatory potency.	Memczak, S., et. al.	Nature	[Epub]	27-Feb-13
Immunology	IL-7 licenses activation of human liver intrasinusoidal mucosal-associated invariant T cells.	Tang, X. Z., et. al.	J Immunol.	[Epub]	27-Feb-13
Oncology	Luteolin is a novel p90 ribosomal S6 kinase (RSK) inhibitor that suppresses Notch4 signaling by blocking the activation of Y-box binding protein-1 (YB-1).	Reipas, K. M., et. al.	Oncotarget	4(2):329-45.	27-Feb-13
Regulatory Small RNA	Identification of Sensitive Serum microRNA Biomarkers for Radiation Biodosimetry.	Naduparambil, J. K., et. al.	PLoS ONE	[Epub]	25-Feb-13
Regulatory Biology	Global and Stage Specific Patterns of Kruppel-Associated-Box Zinc Finger Protein Gene Expression in Murine Early Embryonic Cells.	Corsinotti, A., et. al.	PLoS ONE	[Epub]	22-Feb-13
Regulatory Biology	Transcription signatures encoded by ultraconserved genomic regions in human prostate cancer.	Hudson, R. S., et. al.	Mol Cancer	[Epub]	14-Feb-13
Oncology	Cancer Regression and Neurological Toxicity Following Anti-MAGE-A3 TCR Gene Therapy.	Morgan, R. A., et. al.	J of Immunother	36(2):133-51	14-Feb-13

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Regulatory Small RNA	Plasma MicroRNAs as Novel Biomarkers for Endometriosis and Endometriosis-Associated Ovarian Cancer.	Suryawanshi, S., et. al.	Clin Cancer Res.	[Epub]	14-Feb-13
Immunology	RNA helicase signaling is critical for type I interferon production and protection against Rift Valley fever virus during mucosal challenge.	Ermler, M. E., et. al.	J. Virol.	[Epub]	13-Feb-13
Immunology	Altered immune pathway activity under exercise challenge in Gulf War Illness: An exploratory analysis.	Broderick, G., et. al.	Brain, Behaviour and Immunity	28:159-169.	12-Feb-13
Oncology	TGF- β inhibition enhances chemotherapy action against triple-negative breast cancer.	Bhola, N.E., et. al.	JCI	[Epub]	8-Feb-13
Liver Disease	Effect of ribavirin on viral kinetics and liver gene expression in chronic hepatitis C.	Rotman, Y., et. al.	Gut	[Epub]	8-Feb-13
Oncology	Integrated MicroRNA and mRNA Signatures Associated with Survival in Triple Negative Breast Cancer.	Cascione, L., et. al.	PLoS ONE	[Epub]	8-Feb-13
Oncology	A 13-Genes Signature Prognostic of HPV-Negative OSCC: Discovery and External Validation.	Lohavanichbutr, P., et. al.	Clin Cancer Res.	[Epub]	5-Feb-13
Immunology	Development of a Genomic Metric That Can Be Rapidly Used to Predict Clinical Outcome in Severely Injured Trauma Patients.	Cuenca, A.G., et. al.	Crit Care Med.	[Epub]	5-Feb-13
Oncology	Expression profiling of 519 kinase genes in matched malignant peripheral nerve sheath tumor/plexiform neurofibroma samples is discriminatory and identifies mitotic regulators BUB1B, PBK and NEK2 as overexpressed with transformation.	Stricker, T. P., et. al.	Mod. Pathol.	[Epub]	1-Feb-13
Other Species	The genetic architecture of Biofilm Formation in a Clinical Isolate of <i>Saccharomyces cerevisiae</i> .	Granek, J. A., et. al.	Genetics	193:587-600	1-Feb-13
Regulatory Small RNA	Multi-Platform analysis of MicroRNA expression measurements in RNA from Fresh Frozen and FFPE tissues.	Kolbert, C. P., et. al.	PLoS ONE.	[Epub]	31-Jan-13
Other Species	Effects of gibberellin treatment during flowering induction period on global gene expression and the transcription of flowering-control genes in Citrus buds.	Goldberg-Moeller, R., et. al.	Plant Sci.	198:46-57.	30-Jan-13
Cardiovascular	Braveheart, a Long Noncoding RNA Required for Cardiovascular Lineage Commitment.	Klattenhoff, C. A., et. al.	Cell	[Epub]	24-Jan-13
Immunology	Omega-3 Fatty Acids Reduce Adipose Tissue Macrophages in Human Subjects With Insulin Resistance.	Spencer, M., et. al.	Diabetes	[Epub]	17-Jan-13
Liver Disease	Prognostic Gene-Expression Signature for Patients with Hepatitis C-Related Early-Stage Cirrhosis.	Hoshida, Y., et. al.	Gastroenterology	[Epub]	17-Jan-13
Copy Number Variant	Mosaic copy number variation in schizophrenia.	Ruderfer, D. F., et. al.	Eur J Hum Genet.	[Epub]	16-Jan-13
Immunology	UNC93B1 and nucleic acid-sensing Toll-like receptors mediate host resistance to infection with <i>Leishmania major</i> .	Schamber-Reis, B. L., et. al.	JBC	[Epub]	16-Jan-13

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Regulatory Small RNA	Isolation and identification of cell-specific microRNAs targeting a messenger RNA using biotinylated anti-sense oligonucleotide capture affinity technique.	Hassan, T., et. al.	Nucleic Acids Res.	[Epub]	15-Jan-13
Immunology	Bispecific T-cells expressing polyclonal repertoire of endogenous $\gamma\delta$ T-cell receptors and introduced CD19-specific chimeric antigen receptor.	Deniger, D. C., et. al.	Mol Ther.	[Epub]	8-Jan-13
Developmental and Systems Biology	Insulin and IGF1 Receptors Are Essential for XX and XY Gonadal Differentiation and Adrenal Development in Mice.	Piteti, J-L., et. al.	PLoS Genetics.	[Epub]	7-Jan-13
Regulatory Small RNA	The Induction of microRNA-16 in Colon Cancer Cells by Protein Arginine Deiminase Inhibition Causes a p53-Dependent Cell Cycle Arrest.	Cui, X., et. al.	PLoS One	8(1):e53791.	7-Jan-13
Other Species	Repression of Essential Chloroplast Genes Reveals New Signaling Pathways and Regulatory Feedback Loops in Chlamydomonas.	Ramundo S. et. al.	Plant Cell	[Epub]	4-Jan-13
Other Species	AUREOCHROME1a-Mediated Induction of the Diatom-Specific Cyclin dsCYC2 Controls the Onset of Cell Division in Diatoms (Phaeodactylum tricornutum).	Huysman, M. J., et. al.	Plant Cell	[Epub]	4-Jan-13
Methods	Laser capture microdissection for protein and NanoString RNA analysis.	Golubeva, Y., et. al.	Methods Mol Biol.	931:213-57.	1-Jan-13
Other Species	Number of Nuclear Divisions in the Drosophila Blastoderm Controlled by Onset of Zygotic Transcription.	Sung, H. W., et. al.	Curr Biol.	[Epub]	31-Dec-12
Regulatory Small RNA	Lin28b Promotes Head and Neck Cancer Progression via Modulation of the Insulin-Like Growth Factor Survival Pathway.	Alajez, N. M., et. al.	Oncotarget	3(12):1641-52.	29-Dec-12
Oncology	Loss of HPV16 E2 Protein Expression Without Disruption of the E2 ORF Correlates with Carcinogenic Progression.	Xue, Y., et. al.	Open Virol J.	[Epub]	28-Dec-12
NeuroBiology	Gene expression analysis of novel genes in the prefrontal cortex of major depressive disorder subjects.	Goswami, D. B., et. al.	Prog Neuropsychopharmacol Biol Psychiatry.	[Epub]	20-Dec-12
Stem Cell Technology	Nuclear genome transfer in human oocytes eliminates mitochondrial DNA variants.	Paull, D., et. al.	Nature.	[Epub]	19-Dec-12
Other Species	Diversification of oral and aboral mesodermal regulatory states in pregastrular sea urchin embryos.	Materna, S. C., et. al.	Dev Biol.	[Epub]	19-Dec-12
Regulatory Small RNA	Recapitulation of Tumor Heterogeneity and Molecular Signatures in a 3D Brain Cancer Model with Decreased Sensitivity to Histone Deacetylase Inhibition.	Smith, S. J., et. al.	PLoS One	7(12):e52335.	18-Dec-12
Other Species	Conservation and Early Expression of Zebrafish Tyrosine Kinases Support the Utility of Zebrafish as a Model for Tyrosine Kinase Biology.	Challa, A. K., et. al.	Zebrafish	[Epub]	12-Dec-12
Oncology Fusions	Multiplexed gene expression and fusion transcript analysis to detect ALK fusions in lung cancer.	Lira, M. E., et. al.	Journal of Molecular Diagnostics	[Epub]	12-Dec-12

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Oncology	Nanowire-mediated delivery enables functional interrogation of primary immune cells: application to the analysis of chronic lymphocytic leukemia.	Shalek, A. K., et. al.	Nano Lett.	12(12):6498-504.	12-Dec-12
NeuroBiology	The ANK3 Bipolar Disorder Gene Regulates Psychiatric-Related Behaviors That Are Modulated by Lithium and Stress.	Leussis, M. P., et. al.	Biol Psychiatry	[Epub]	10-Dec-12
Oncology	Epigenetic expansion of VHL-HIF signal output drives multiorgan metastasis in renal cancer.	Vanharanta, S., et. al.	Nature Med.	[Epub]	9-Dec-12
Immunology	The cystine/glutamate antiporter regulates indoleamine 2,3-dioxygenase protein levels and enzymatic activity in human dendritic cells.	Mattox, M. L., et. al.	Am J Clin Exp Immunol	1(2):113-123.	30-Nov-12
Oncology	Gene Expression-Based Model Using Formalin-Fixed Paraffin-Embedded Biopsies Predicts Overall Survival in Advanced-Stage Classical Hodgkin Lymphoma.	Scott, D. W., et. al.	J Clin Oncol.	[Epub]	26-Nov-12
Regulatory Small RNA	Decreased miR-192 expression in peripheral blood of asthmatic individuals undergoing an allergen inhalation challenge.	Yamamoto, M., et. al.	BMC Genomics	13(1):655.	21-Nov-12
Methods	Systematic evaluation of medium-throughput mRNA abundance platforms.	Prokopec, S. D., et. al.	RNA	[Epub]	20-Nov-12
Oncology	Validated Gene Targets Associated with Curatively Treated Advanced Serous Ovarian Carcinoma.	Barlin, J. N., et. al.	Gynecol Oncol.	[Epub]	17-Nov-12
Oncology	Pancreatic cancer circulating tumour cells express a cell motility gene signature that predicts survival after surgery.	Sergeant, G., et. al.	BMC Cancer	12(1):527.	16-Nov-12
Oncology	Using digital RNA counting and flow cytometry to compare mRNA with protein expression in acute leukemias.	Fernandez, P., et. al.	PLoS One	7(11):e49010.	9-Nov-12
Immunology	Endogenous Thrombospondin-1 Regulates Leukocyte Recruitment and Activation and Accelerates Death from Systemic Candidiasis.	Martin-Manso, G., et. al.	PLoS One	Volume 7:11. e48775	7-Nov-12
Immunology	Novel murine dendritic cell lines: a powerful auxiliary tool for dendritic cell research.	Fuertes Marraco, S. A., et. al.	Front Immunol.	[Epub]	7-Nov-12
Oncology	Detection of disseminated tumor cells in the bone marrow of breast cancer patients using multiplex gene expression measurements identifies new therapeutic targets in patients at high risk for the development of metastatic disease.	Siddappa, C. M., et. al.	Breast Cancer Res Treat.	[Epub]	6-Nov-12
Regulatory Small RNA	Cancer-associated somatic DICER1 hotspot mutations cause defective miRNA processing and reverse strand expression bias to predominantly mature 3p strands through loss of 5p strand cleavage.	Anglesio, M., et. al.	J of Pathol.	[Epub]	6-Nov-12

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Developmental and Systems Biology	DNA methyltransferase3A as a molecular switch mediating the neural tube-to-neural crest fate transition.	Hu, N., et. al.	Genes & Dev.	26:2380-2385.	1-Nov-12
Copy Number Variant	Extensive genetic variation in somatic human tissues.	O'Huallachain, M., et. al.	PNAS	[Epub]	30-Oct-12
Immunology	Urea Amidolyase (DUR1,2) Contributes to Virulence and Kidney Pathogenesis of <i>Candida albicans</i> .	Navarathna, D. H., et. al.	PLoS One	7(10):e48475	29-Oct-12
Regulatory Biology	Revisiting global gene expression analysis.	Loven, J., et. al.	Cell	151: 476-482.	26-Oct-12
Other Species	Quantitative analysis of fission yeast transcriptomes and proteomes in proliferating and quiescent cells.	Marguerat, S., et. al.	Cell	151(3):671-83	26-Oct-12
Regulatory Biology	Canonical and atypical E2Fs regulate the mammalian endocycle.	Chen, H. Z., et. al.	Nature Cell Biol.	[Epub]	14-Oct-12
Methods	Imputing gene expression from selectively reduced probe sets.	Donner, Y., et. al.	Nat Methods.	[Epub]	14-Oct-12
Other Species	Alternate Bearing in Citrus: Changes in the Expression of Flowering Control Genes and in Global Gene Expression in ON- versus OFF-Crop Trees.	Shalom, L., et. al.	PLoS One	[Epub]	11-Oct-12
Oncology	Whole exome sequencing identifies ATRX mutation as a key molecular determinant in lower-grade glioma.	Kannan, K., et. al.	Oncotarget	3(10): 1194-203.	11-Oct-12
Oncology Fusions	Identification of KIF5B-RET and GOPC-ROS1 fusions in lung adenocarcinomas through a comprehensive mRNA-based screen for tyrosine kinase fusions.	Suehara, Y., et. al.	Clin Cancer Res.	[Epub]	10-Oct-12
Immunology	Monocyte chemoattractant protein-1/CCR2 axis promotes vein graft neointimal hyperplasia through its signaling in graft-extrinsic cell populations.	Fu, C., et. al.	Arterioscler Thromb Vasc Biol.	32(10):2418-26	1-Oct-12
Oncology	Transcriptional Amplification in Tumor Cells with Elevated c-Myc.	Lin, C.V., et. al.	Cell.	151: 56-67.	28-Sep-12
Regulatory Small RNA	Dynamic and coordinated epigenetic regulation of developmental transitions in the cardiac lineage.	Wamstad, J. A., et. al.	Cell	151(1):206-20.	28-Sep-12
Oncology	A Multiplex Assay to Measure RNA Transcripts of Prostate Cancer in Urine.	Quek, S. I., et. al.	PLoS One	[Epub]	25-Sep-12
Cardiovascular	Anchored p90 Ribosomal S6 Kinase 3 is Required for Cardiac Myocyte Hypertrophy.	Li, J., et. al.	Circ. Res.	[Epub]	20-Sep-12
Developmental and Systems Biology	A PHD12-Snai2 repressive complex epigenetically mediates neural crest epithelial-to-mesenchymal transition.	Strobl-Mazzulla, P. H., et. al.	JCB	198(6):999-1010.	17-Sep-12
Regulatory Small RNA	Transcriptional regulation of miR-10a/b by TWIST-1 in myelodysplastic syndromes.	Li, X., et. al.	Haematologica	[Epub]	14-Sep-12
Developmental and Systems Biology	A high-throughput Chromatin Immunoprecipitation approach reveals principles of dynamic gene regulation in mammals.	Garber, M., et. al.	Mol. Cell	47(5):810-22	14-Sep-12

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Oncology	Canonical TGF-β pathway activity is a predictor of SHH-driven medulloblastoma survival and delineates putative precursors in cerebellar development.	Aref, D., et. al.	Brain Pathol.	[Epub]	12-Sep-12
Other Species	Overlapping and lineage-specific roles for the type-B response regulators of monocots and dicots.	Kim, H. J., et. al.	Plant Signal Behav.	7(9):1110-3.	1-Sep-12
Immunology	Compartmentalized control of skin immunity by resident commensals.	Naik, S., et. al.	Science	337(6098):1115-9.	31-Aug-12
Other Species	Interspecies modulation of bacterial development through iron competition and siderophore piracy.	Traxler, M. F., et. al.	Mol Microbiol.	[Epub]	29-Aug-12
Oncology	Epstein-barr virus infected gastric adenocarcinoma expresses latent and lytic viral transcripts and has a distinct human gene expression profile.	Tang, W., et. al.	Infect Agent Cancer	[Epub]	28-Aug-12
Immunology	Simultaneous RNA quantification of human and retroviral genomes reveals intact interferon signaling in HTLV-1-infected CD4+ T cell lines.	Moens, B., et. al.	Virology Journal	[Epub]	23-Aug-12
Other Species	Strand-Specific RNA-Seq Reveals Ordered Patterns of Sense and Antisense Transcription in Bacillus anthracis.	Passalacqua, K. D., et. al.	PLoS One.	Volume 7, Issue 8, e43350.	22-Aug-12
Oncology	IL-1R-MyD88 signaling in keratinocyte transformation and carcinogenesis.	Cataisson, C., et. al.	J. Exp. Med	[Epub]	20-Aug-12
Oncology	BET bromodomain inhibition targets both c-MYC and IL7R in high-risk acute lymphoblastic leukemia.	Ott, C.T., et. al.	Blood	[Epub]	17-Aug-12
Oncology	ASXL1 mutations promote myeloid transformation through loss of PRC2-mediated gene repression.	Abdel-Wahab, O., et. al.	Cancer Cell	22(2):180-93.	14-Aug-12
Regulatory Biology	HDAC8 mutations in Cornelia de Lange syndrome affect the cohesin acetylation cycle.	Deardorff, M. A., et. al.	Nature	[Epub]	12-Aug-12
Other Species	Gene expression patterns specific to the regenerating limb of the Mexican axolotl.	Monaghan, J. R., et. al.	Biology Open	[Epub ahead of publication].	8-Aug-12
Other Species	SAMBA, a plant-specific anaphase-promoting complex/cyclosome regulator is involved in early development and A-type cyclin stabilization.	Eloy, N. B., et. al.	PNAS	[Epub]	7-Aug-12
Regulatory Small RNA	Modulating inflammatory monocytes with a unique microRNA gene signature ameliorates murine ALS.	Butovsky, O., et. al.	JCI	[Epub]	6-Aug-12
NeuroBiology	Cis-acting regulation of brain-specific ANK3 gene expression by a genetic variant associated with bipolar disorder.	Rueckert, E. H., et. al.	Mol. Psychiatry	[Epub]	31-Jul-12
Other Species	Systematic Dissection of Roles for Chromatin Regulators in a Yeast Stress Response.	Weiner, A., et. al.	PLoS Biology	10(7): e1001369	31-Jul-12
Regulatory Small RNA	MicroRNAs bind to Toll-like receptors to induce prometastatic inflammatory response.	Fabbri, M., et. al.	PNAS	109(31):E2110-6.	31-Jul-12
Copy Number Variant	Subgroup-specific structural variation across 1,000 medulloblastoma genomes.	Northcott, P. A., et. al.	Nature.	[Epub]	25-Jul-12

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Oncology	Biomarker and pharmacologic evaluation of the γ -secretase inhibitor PF-03084014 in breast cancer models.	Zhang, C. C., et. al.	Clin Cancer Res.	[Epub]	17-Jul-12
Immunology	Virus-cell fusion as a trigger of innate immunity dependent on the adaptor STING.	Holm, C. K., et. al.	Nat. Immunol.	13(8):737-43.	17-Jul-12
Copy Number Variant	Regulatory element copy number differences shape primate expression profiles.	Iskow, R. C., et. al.	PNAS	[Epub]	13-Jul-12
Regulatory Small RNA	miR-29ab1 deficiency identifies a negative feedback loop controlling Th1 bias that is dysregulated in multiple sclerosis.	Smith, K. M., et. al.	J. Immunol.	[Epub]	6-Jul-12
Other Species	Direct and indirect control of oral ectoderm regulatory gene expression by Nodal signaling in the sea urchin embryo.	Li, E., et. al.	Dev Biol.	[Epub]	5-Jul-12
NeuroBiology	Crebinostat: A novel cognitive enhancer that inhibits histone deacetylase activity and modulates chromatin-mediated neuroplasticity.	Fass, D. M., et. al.	Neuropharmacology	[Epub]	4-Jul-12
Regulatory Small RNA	Concomitant dysregulation of microRNAs miR-151-3p and miR-126 correlates with improved survival in resected cholangiocarcinoma.	McNally, M. E., et. al.	HPB(Oxford).	[Epub]	4-Jul-12
Immunology	A new approach to simultaneously quantify both TCR α - and β -chain diversity after adoptive immunotherapy.	Zhang, M., et. al.	Clin Cancer Res.	[Epub]	3-Jul-12
Immunology	NK cell-derived interferon- γ orchestrates cellular dynamics and the differentiation of monocytes into dendritic cells at the site of infection.	Goldszmid, R. S., et. al.	Immunity	36(6):1047-59.	29-Jun-12
Oncology	Genetic and functional analyses implicate the NUDT11, HNF1B, and SLC22A3 genes in prostate cancer pathogenesis.	Grisanzio, C., et. al.	PNAS	[Epub]	22-Jun-12
Oncology	The Pro-inflammatory Myeloid Cell Receptor TREM-1 Controls Kupffer Cell Activation and Development of Hepatocellular Carcinoma.	Wu, J., et. al.	Cancer Res.	[Epub]	19-Jun-12
Regulatory Small RNA	Transcriptomic profiling reveals hepatic stem-like gene signatures and interplay of mir-200c and EMT in intrahepatic cholangiocarcinoma.	Oishi, N., et. al.	Hepatology	[Epub]	18-Jun-12
Regulatory Small RNA	Reovirus-associated reduction of microRNA-let-7d is related to the increased apoptotic death of cancer cells in clinical samples.	Nuovo, G. J. et. al.	Mod Pathol	[Epub]	15-Jun-12
Oncology	Profiling of residual breast cancers after neoadjuvant chemotherapy identifies DUSP4 deficiency as a mechanism of drug resistance.	Balko, J. M., et. al.	Nat Med	[Epub]	10-Jun-12
Regulatory Small RNA	Dysregulation of miR-31 and miR-21 induced by zinc deficiency promotes esophageal cancer.	Alder, H., et. al.	Carcinogenesis	[Epub]	10-Jun-12
Methods	NanoStringNorm: an extensible R package for the pre-processing of NanoString mRNA and miRNA data.	Waggott, D., et. al.	Bioinformatics	28(11):1546-8.	1-Jun-12

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Oncology	Distinct perturbation of the transcriptome by the antidiabetic drug metformin.	Larsson, O., et. al.	PNAS	[Epub]	18-May-12
Stem Cell Technology	A scalable system for production of functional pancreatic progenitors from human embryonic stem cells.	Schulz, T. C., et. al.	PLoS ONE	7(5):e37004. [Epub].	18-May-12
Regulatory Small RNA	miR-146a regulates mechanotransduction and pressure-induced inflammation in small airway epithelium.	Huang, Y., et. al.	FASEB J	[Epub]	16-May-12
NeuroBiology	The Local Transcriptome in the Synaptic Neuropil Revealed by Deep Sequencing and High-Resolution Imaging.	Cajigas, I. J., et. al.	Neuron	74:453-466.	10-May-12
Other Species	A molecular wound response program associated with regeneration initiation in planarians.	Wenemoser, D., et. al.	Genes and Dev.	26: 988-1002.	1-May-12
Regulatory Small RNA	MicroRNA Targeting of Neurotropic Flavivirus: Effective Control of Virus Escape and Reversion to Neurovirulent Phenotype.	Heiss, B. L., et. al.	J Virology	86(10): 5647-5659.	1-May-12
Other Species	Divergent targets of Candida albicans biofilm regulator Bcr1 in vitro and in vivo.	Fanning, S., et. al.	Eukaryot Cell	[Epub ahead or print].	27-Apr-12
Regulatory Biology	Barcoded DNA-Tag Reporters for Multiplex Cis-Regulatory Analysis.	Nam, J., et. al.	PLoS One	7(4): e35934.	26-Apr-12
Other Species	Multiplexed digital quantification of binge-like alcohol-mediated alterations in maternal uterine angiogenic mRNA transcriptome	Ramadoss, J., et. al.	Physiol Genomics	[Epub]	24-Apr-12
Regulatory Biology	INT6 interacts with MIF4GD/SLIP1 and is necessary for efficient histone mRNA translation.	Neusiedler, J., et.. al.,	RNA	[Epub]	24-Apr-12
NeuroBiology	Replication of functional serotonin receptor type 3A and B variants in bipolar affective disorder: a European multicenter study	Hammer, C., et. al.	Translational Psychiatry	[Epub]	17-Apr-12
Oncology	INT6/EIF3E interacts with ATM and is required for proper execution of the DNA damage response in human cells	Morris, C., et. al.	Cancer Res.	72(8):2006-16.	15-Apr-12
Other Species	Cis-regulatory logic driving glial cells missing: self-sustaining circuitry in later embryogenesis.	Ransick, A., et. al.	Dev Biol.	364(2):259-67.	15-Apr-12
Immunology	Targeted deletion of MyD88 in intestinal epithelial cells results in compromised antibacterial immunity associated with downregulation of polymeric immunoglobulin receptor, mucin-2, and antibacterial peptides	Frantz, A. L., et. al.	Mucosal Immunol.	[Epub]	11-Apr-12
Regulatory Biology	RNA signatures allow rapid identification of pathogens and antibiotic susceptibilities	Barczak, A. K., et. al.	PNAS	[Epub]	2-Apr-12
Regulatory Biology	KAP1 regulates gene networks controlling mouse B lymphoid cell differentiation and function	Santoni de Sio, F. R., et. al.	Blood	[Epub]	27-Mar-12
Regulatory Biology	Regulation of the EGF Transcriptional Response by Endocytic Sorting	Brankatschk, B., et. al.	Sci Signal	5(215), ra21.	13-Mar-12
Regulatory Small RNA	Regulation of acute graft-versus-host disease by microRNA-155	Ranganathan, R., et. al.	Blood	[Epub]	9-Mar-12

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Developmental and Systems Biology	Genetic Dissection of the Canq1 Locus Governing Variation in Extent of the Collateral Circulation	Wang, S., et. al.	PLoS ONE	7(3): e31910. doi:10.1371/journal.pone.0031910 (2012).	6-Mar-12
Oncology	Transcriptional Profiling by Sequencing of Oropharyngeal Cancer	Laborde, R. R., et. al.	Mayo Clin Proc.	87(3):226-232. (2012). doi:10.1016/j.mayocp.2011.10.008.	1-Mar-12
Other Species	Characterization of genes involved in cytokinin signaling and metabolism from rice	Tsai, Y.C., et. al.	Plant Physiology	158:1666-1684.	1-Mar-12
Regulatory Small RNA	The expression profile of C19MC microRNAs in primary human trophoblast cells and exosomes	Donker, R. B., et. al.	Mol. Hum. Repro	[Epub] (2012).	29-Feb-12
Regulatory Small RNA	MicroRNA-Deficient NK Cells Exhibit Decreased Survival but Enhanced Function	Sullivan, R. P., et. al.	J Immunol	188(7):3019-30.	29-Feb-12
Immunology	Expansion of a subset of CD14 ^{high} CD16 ^{neg} CCR2 ^{low} /neg monocytes functionally similar to myeloid-derived suppressor cells during SIV and HIV infection	Gama, L., et. al.	JLB	[Epub]	24-Feb-12
Stem Cell Technology	SRY (sex determining region Y)-box2 (Sox2)/poly ADP-ribose polymerase 1 (Parp1) complexes regulate pluripotency	Lai, Y. S., et. al.	Proc Natl Acad Sci USA	109(10):3772-7. (2012). doi/10.1073/pnas.1108595109.	23-Feb-12
Regulatory Small RNA	Expression profiling of cancerous and normal breast tissues identifies microRNAs that are differentially expressed in serum from patients with (metastatic) breast cancer and healthy volunteers	van Schooneveld, E., et. al.	Breast Cancer Res.	14(1):R34. (2012). [Epub]doi:10.1186/bcr3127.	21-Feb-12
Regulatory Small RNA	Lin28b Reprograms Adult Bone Marrow Hematopoietic Progenitors to Mediate Fetal-Like Lymphopoiesis	Yuan, J., et. al.	Science	335(6073):1195-200. (2012.) DOI: 10.1126/science.1216557.	16-Feb-12
Other Species	Portrait of Candida albicans Adherence Regulators	Finkel, J. S., et. al.	PLoS Pathog	8(2): e1002525. (2012). doi:10.1371/journal.ppat.1002525.	16-Feb-12
Regulatory Small RNA	MicroRNAs/TP53 feedback circuitry in glioblastoma multiforme	Suh, S. S., et. al.	PNAS	[Epub]	14-Feb-12
Oncology	Adoptive T-cell therapy improves treatment of canine non-Hodgkin lymphoma post chemotherapy	O'Connor, C. M., et. al.	Sci Rep	2:249. Epub Feb 13. (2012).	13-Feb-12
Other Species	A comprehensive analysis of Delta signaling in pre-gastrular sea urchin embryos	Materna, S. C., and Davidson, E.H.	Developmental Biology	364(1):77-87.	27-Jan-12
Immunology	Membrane-Bound IL-21 Promotes Sustained Ex Vivo Proliferation of Human Natural Killer Cells	Denman, C. J., et. al.	PLoS One	7 :Issue 1, e30264.	18-Jan-12
Regulatory Small RNA	Reduced DICER1 Elicits an Interferon Response in Endometrial Cancer Cells	Chiappinelli, K. B., et. al.	Mol Cancer Res	10(3):316-25.	17-Jan-12
Regulatory Small RNA	Relationships of PBMC microRNA expression, plasma viral load, and CD4 ⁺ T-cell count in HIV-1-infected elite suppressors and viremic patients	Witwer, K. W., et. al.	Retrovirology	9:5 (2012). doi:10.1186/1742-4690-9-5.	12-Jan-12

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Regulatory Biology	Combinatorial Patterning of Chromatin Regulators Uncovered by Genome-wide Location Analysis in Human Cells	Ram, O., et. al.	Cell	147(7): 1628-39.	23-Dec-11
Regulatory Biology	Genomic Distribution and Inter-Sample Variation of Non-CpG Methylation Across Human Cell Types	Ziller, M. J., et. al.	PLoS Genetics	7(12):e 1002389.	8-Dec-11
Oncology	Linking Expression of FOXM1, CEP55 and HELLS to Tumorigenesis in Oropharyngeal Squamous Cell Carcinoma	Janus, J. R., et. al.	The Laryngoscope	121(12): 2598-603.	1-Dec-11
Oncology	MicroRNA profiling of follicular lymphoma identifies microRNAs related to cell proliferation and tumor response	Wang, W., et. al.	Haematologica	Nov 18. [Epub] (2011).	18-Nov-11
Regulatory Small RNA	Micro-RNA dysregulation in multiple sclerosis favours pro-inflammatory T-cell-mediated autoimmunity	Guerau-de-Arellano, M., et. al.	Brain	134(Pt 12):3575-86.	15-Nov-11
Developmental and Systems Biology	Regulation of the Probability of Mouse Odorant Receptor Gene Choice	Khan, M., et. al.	Cell	147(4): 907-21.	11-Nov-11
Immunology	Systematic Discovery of TLR Signaling Components Delineates Viral-Sensing Circuits	Chevrier, N., et. al.	Cell	147(4):853-67.	11-Nov-11
Oncology	Rapid, reliable, and reproducible molecular sub-grouping of clinical medulloblastoma samples	Northcott, P. A., et. al.	Acta Neuropathologica	123(4): 615-26.	6-Nov-11
Oncology	Using the Heat-Shock Response To Discover Anticancer Compounds that Target Protein Homeostasis	Santagata, S., et. al.	ACS Chem Biol.	17;7(2):340-9. (2012).	3-Nov-11
Regulatory Small RNA	Phosphatase and tensin homolog (PTEN) pseudogene expression in endometrial cancer: a conserved regulatory mechanism important in tumorigenesis?	Ioffe, Y. J., et. al.	Gynecol Oncol	124(2):340-6.	15-Oct-11
Immunology	CCAAT/enhancer binding protein alpha (C/EBP(alpha))-induced transdifferentiation of pre-B cells into macrophages involves no overt retrodifferentiation.	Di Tullio, A., et. al.	PNAS	108(41):17016-21.	3-Oct-11
Oncology	RNAi screening identifies TAK1 as a potential target for the enhanced efficacy of topoisomerase inhibitors.	Martin, S. E., et. al.	Curr Cancer Drug Targets	(8):976-86.	1-Oct-11
Oncology	BET Bromodomain Inhibition as a Therapeutic Strategy to Target c-Myc	Delmore, J. E., et. al.	Cell	146(6):904-17.	16-Sep-11
Regulatory Small RNA	lincRNAs act in the circuitry controlling pluripotency and differentiation	Guttman, M., et. al.	Nature	477(7364):295-300.	28-Aug-11
Immunology	Innate immune recognition of an AT-rich stem-loop DNA motif in the Plasmodium falciparum genome.	Sharma, S., et. al.	Immunity	35(2):194-207	26-Aug-11
Developmental and Systems Biology	BMPRII is dispensable for formation of the limb skeleton	Gamer, L. W., et. al.	Genesis	49(9):719-24.	19-Aug-11
Regulatory Small RNA	Post-transcriptional generation of miRNA variants by multiple nucleotidyl transferases contributes to miRNA transcriptome complexity	Wyman, S. K., et. al.	Genome Res	21(9):1450-61.	3-Aug-11

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Oncology	Combination decitabine, arsenic trioxide, and ascorbic acid for the treatment of myelodysplastic syndrome and acute myeloid leukemia: A phase I study	Welch, J. S., et. al.	Am J Hematol	86(9):796-800.	3-Aug-11
Methods	Digital Multiplexed Gene Expression Analysis Using the NanoString nCounter System	Kulkarni, M. M.	Current Protocols in Molecular Biology	[Epub].	1-Aug-11
Immunology	An Evaluation of the Role of Gene Expression in the Prediction and Diagnosis of Ventilator-associated Pneumonia	Textoris, J., et. al.	Anesthesiology	115(2):344-52 (2011).	1-Aug-11
Immunology	Vinblastine in the treatment of children and adolescents with refractory immune thrombocytopenia	Fresneau, B., et. al.	Am J Hematol	86(9):785-7.	28-Jul-11
Immunology	Mycobacterium tuberculosis Triggers Host Type I IFN Signaling To Regulate IL-1b Production in Human Macrophages	Novikov, A., et. al.	J Immunol	187(5): 2540-7.	22-Jul-11
Other Species	Type-A response regulators are required for proper root apical meristem function through post-transcriptional regulation of PIN auxin efflux carriers	Zhang, W., et. al.	The Plant Journal	Volume 68, Issue 1, Pages 1-10.	21-Jul-11
Other Species	DAF-12 Regulates a Connected Network of Genes to Ensure Robust Developmental Decisions	Hochbaum, D., et. al.	PLoS Genetics	7(7):e1002179.	21-Jul-11
Regulatory Biology	Transcriptome-wide Analysis of Regulatory Interactions of the RNA-Binding Protein HuR	Lebedeva, S., et. al.	Cell	43:1-13.	30-Jun-11
Regulatory Biology	Synthetic Reversal Of Epigenetic Silencing	Haynes, K., and Silver, P.	J. Biol. Chem.	jbc.C111.229567.	12-Jun-11
Immunology	Neonatal Fc receptor for IgG (FcRn) regulates cross-presentation of IgG immune complexes by CD8-CD11b+ dendritic cells.	Baker, K., et. al.	PNAS	108(24):9227-32.	31-May-11
Immunology	Programmed death ligand 1 is over-expressed by neutrophils in the blood of patients with active Tuberculosis	McNab, F. W., et. al.	Eur. J. Immunol.	41: 1941?1947.	27-May-11
Regulatory Biology	Global quantification of mammalian gene expression control	Schwanhausser, B., et. al.	Nature	473:337-342.	18-May-11
Immunology	Peroxisomes are signaling platforms for antiviral innate immunity.	Dixit, E., et. al.	Cell	141(4):668-81	14-May-11
Oncology	Assessing a new gene expression analysis technique for radiation biodosimetry applications	Manning, G., et. al.	Radiation Measurements	[Epub]	11-May-11
Other Species	Pause-and-stop: the effects of osmotic stress on cell proliferation during early leaf development in Arabidopsis and a role for ethylene signaling in cell cycle arrest.	Skirycz, A., et. al.	Plant Cell	23(5):1876-88.	10-May-11
Oncology	Down-regulation of homeobox genes MEIS1 and HOXA in MLL-rearranged acute leukemia impairs engraftment and reduces proliferation	Orlovsky, K., et. al.	PNAS	vol. 108 no. 19 7956-7961.	10-May-11
Immunology	Reprogramming CD19-specific T cells with IL-21 signaling can improve adoptive immunotherapy of B-lineage malignancies	Singh, H., et. al.	Cancer Res	71(10):3516-27.	10-May-11

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Oncology	mRNA transcript quantification in archival samples using multiplexed, color-coded probes.	Reis, P. P., et. al.	BMC Biotechnol	vol. 108 no. 19 7956-7961.	9-May-11
Regulatory Biology	Metabolic labeling of RNA uncovers principles of RNA production and degradation dynamics in mammalian cells	Rabani, M., et. al.	Nature Biotechnology	29: 436-442.	24-Apr-11
Immunology	Effective posttransplant antitumor immunity is associated with TLR-stimulating nucleic acid-immunoglobulin complexes in humans	Lin, Y., et. al.	J Clin Invest	doi:10.1172/JCI44581.	1-Apr-11
Other Species	The Arabidopsis thaliana Checkpoint Kinase WEE1 Protects against Premature Vascular Differentiation during Replication Stress.	Cools, T., et. al.	Plant Cell	23(4): 1435-48.	1-Apr-11
Other Species	Sensitive and Precise Quantification of Insulin-Like mRNA Expression in Caenorhabditis elegans.	Baugh, L. R., et. al.	PLoS ONE	6(3).	22-Mar-11
Methods	Improving RNA-Seq expression estimates by correcting for fragment bias.	Roberts, A., et. al.	Genome Biol.	12(3):R22.	16-Mar-11
Oncology	Integrated Analysis of Gene Expression, CpG Island Methylation, and Gene Copy Number in Breast Cancer Cells by Deep Sequencing	Sun, Z., et. al.	PLoS ONE	Vol 6-2, e17490.	25-Feb-11
Stem Cell Technology	Reference Maps of Human ES and iPS Cell Variation Enable High-Throughput Characterization of Pluripotent Cell Lines	Bock, C., et. al.	Cell	144, 439-452.	4-Feb-11
Immunology	CCL25/CCR9 Interactions Regulate Large Intestinal Inflammation in a Murine Model of Acute Colitis	Wurbel, M. A., et. al.	PLoS ONE	6(1):e16442.	25-Jan-11
Other Species	Orientation and expression of methicillin-resistant Staphylococcus aureus small RNAs by direct multiplexed measurements using the nCounter of NanoString technology.	Beaume, M., et. al.	J Microbiol Methods	84(2):327-34.	31-Dec-10
Liver Disease	Combined deletion of Fxr and Shp in mice induces Cyp17a1 and results in juvenile onset cholestasis	Anakk, S., et. al.	The Journal of Clinical Investigation.	10.1172.	1-Dec-10
Oncology	Gene expression following ionising radiation: Identification of biomarkers for dose estimation and prediction of individual response	Kabacik, S., et. al.	Int. J. Radiat. Biol.	Vol. 87; 1-15.	10-Nov-10
Methods	Genopal™: a novel hollow fibre array for focused microarray analysis.	Okuzuk, D., et. al.	DNA Res.	17(6):369-79.	8-Nov-10
Other Species	A replication stress-induced synchronization method for Arabidopsis thaliana root meristems	Cools, T., et. al.	Plant J.	Online: http://onlinelibrary.wiley.com	26-Oct-10
Oncology	An integrated genomic and epigenomic approach predicts therapeutic response to zebularine in human liver cancer	Andersen, J., et. al.	Sci. Transl. Med.	2, 54ra77.	20-Oct-10
Developmental and Systems Biology	Histone Demethylase Jmjd2a Regulates Neural Crest Specification	Strobl-Mazzulla, P. H., et. al.	Developmental Cell	19(3):460-8.	14-Sep-10
Other Species	Strand-specific RNA Sequencing Reveals Extensive Regulated Long Antisense Transcripts that are Conserved Across Yeast Species	Yassour, M., et. al.	Genome Biology	11:R87.	26-Aug-10

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Immunology	The Cystine/Glutamate Antiporter Regulates Dendritic Cell Differentiation and Antigen Presentation	D'Angelo, J. A., et. al.	The Journal of Immunology	185:3217-3226.	23-Aug-10
Immunology	Crosstalk Between PKA and Epac Regulates the Phenotypic Maturation and Function of Human Dendritic Cells	Garay, J., et. al.	Nature	185:3227-3238.	20-Aug-10
Immunology	TLR recognition of self nucleic acids hampers glucocorticoid activity in lupus	Guiducci, C., et. al.	Nature	465, 937?941.	17-Jun-10
Immunology	The phosphoproteome of toll-like receptor-activated macrophages.	Weintz, G., et. al.	Mol. Syst.Biol.	6:371.	8-Jun-10
Developmental and Systems Biology	High accuracy, high-resolution prevalence measurement for the majority of locally expressed regulatory genes in early sea urchin development	Materna, S., et. al.	Gene Expression Patterns	doi:10.1016/j.gep.2010.04.002.	14-Apr-10
Developmental and Systems Biology	Functional cis-regulatory genomics for systems biology	Nam, J., et. al.	Proc Natl Acad Sci USA	107(8):3930-5.	23-Feb-10
Oncology	Nuclear entry of activated MAPK is restricted in primary ovarian and mammary epithelial cells	Smith, E. R., et. al.	PLoS One	5(2):e9295.	18-Feb-10
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