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Selected Scholarly Contributions [Data Provided by **SCOPUS**]

Comparative gene expression analysis of genital tubercle development reveals a putative appendicular Wnt7 network for the epidermal differentiation

*Developmental Biology*, 2010. Article in Press.

Onecut-2 knockout mice fail to thrive during early postnatal period and have altered patterns of gene expression in small intestine

*Physiological Genomics*, 42 (1), pp. 115-125, 2010.

Loss of Rab25 promotes the development of intestinal neoplasia in mice and is associated with human colorectal adenocarcinomas

*Journal of Clinical Investigation*, 120 (3), pp. 840-849, 2010.

High-throughput detection of mutations responsible for childhood hearing loss using resequencing microarrays

*BMC Biotechnology*, 10, art. no. 10, 2010.

Engineered human skin substitutes undergo large-scale genomic reprogramming and normal skin-like maturation after transplantation to athymic mice

*Journal of Investigative Dermatology*, 130 (2), pp. 587-601, 2010.

Silencing of RON receptor signaling promotes apoptosis and gemcitabine sensitivity in pancreatic cancers

*Cancer Research*, 70 (3), pp. 1130-1140, 2010.

Correction: Disease candidate gene identification and prioritization using protein interaction networks

*BMC Bioinformatics*, 10, art. no. 406, 2009.

Calcium influx is sufficient to induce muscular dystrophy through a TRPC-dependent mechanism

*Proceedings of the National Academy of Sciences of the United States of America*, 106 (45), pp. 19023-19028, 2009.

Embrace diversity! Systems genetics-enabled discovery of disease networks

*Physiological Genomics*, 39 (3), pp. 169-171, 2009.

Protective role of clusterin/apolipoprotein j against neointimal hyperplasia via antiproliferative effect on vascular smooth muscle cells and cytoprotective effect on endothelial cells

*Arteriosclerosis, Thrombosis, and Vascular Biology*, 29 (10), pp. 1558-1564, 2009.

Bridging the gap between systems biology and medicine

*Genome Medicine*, 1 (9), art. no. gm88, 2009.

Analysis of early nephron patterning reveals a role for distal RV proliferation in fusion to the ureteric tip via a cap mesenchyme-derived connecting segment

*Developmental Biology*, 332 (2), pp. 273-286, 2009.

ToppGene Suite for gene list enrichment analysis and candidate gene prioritization

*Nucleic Acids Research*, 37 (SUPPL. 2), pp. W305-W311, 2009.

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Integrative genomic analyses of neurofibromatosis tumours identify SOX9 as a biomarker and survival gene

*EMBO Molecular Medicine*, 1 (4), pp. 236-248, 2009.

[Subtype-specific peripheral blood gene expression profiles in recent-onset juvenile idiopathic arthritis](#)  
*Arthritis and Rheumatism*, 60 (7), pp. 2102-2112, 2009.

[Inferring novel disease indications for known drugs by semantically linking drug action and disease mechanism relationships](#)  
*BMC Bioinformatics*, 10 (SUPPL. 5), art. no. S4, 2009.

[An overview of custom array sequencing](#)  
*Current Protocols in Human Genetics*, (SUPPL. 61), pp. 7.17.1-17.17.11, 2009.

[Identification of IFRD1 as a modifier gene for cystic fibrosis lung disease](#)  
*Nature*, 458 (7241), pp. 1039-1042, 2009.

[Credentialing a preclinical mouse model of alveolar rhabdomyosarcoma](#)  
*Cancer Research*, 69 (7), pp. 2902-2911, 2009.

[Unique and overlapping gene expression patterns driven by IL-4 and IL-13 in the mouse lung](#)  
*Journal of Allergy and Clinical Immunology*, 123 (4), pp. 795-804.e8, 2009.

[Atlas of Gene Expression in the Developing Kidney at Microanatomic Resolution](#)  
DOI:10.1016/j.devcel.2008.09.007  
*Developmental Cell*, 16 (3), p. 482, 2009.

[Caveolin-1-/- null mammary stromal fibroblasts share characteristics with human breast cancer-associated fibroblasts](#)  
*American Journal of Pathology*, 174 (3), pp. 746-761, 2009.

[Disease candidate gene identification and prioritization using protein interaction networks](#)  
*BMC Bioinformatics*, 10, art. no. 73, 2009.

[The SWI/SNF ATPase Brm is a gatekeeper of proliferative control in prostate cancer](#)  
*Cancer Research*, 68 (24), pp. 10154-10162, 2008.

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*Developmental Cell*, 15 (5), pp. 781-791, 2008.

[Molecular analysis of human cancer cells infected by an oncolytic HSV-1 reveals multiple upregulated cellular genes and a role for SOCS1 in virus replication](#)  
*Cancer Gene Therapy*, 15 (11), pp. 733-741, 2008.

[Multiple interactions between the alpha2C- and beta1-adrenergic receptors influence heart failure survival](#)  
*BMC Medical Genetics*, 9, art. no. 93, 2008.

[Loss of Rb1 in the gastrointestinal tract of Apc1638N mice promotes tumors of the cecum and proximal colon](#)  
*Proceedings of the National Academy of Sciences of the United States of America*, 105 (40), pp. 15493-15498, 2008.

[Differential coupling of Arg- and Gly389 polymorphic forms of the  \$\beta\$ 1-adrenergic receptor leads to pathogenic cardiac gene regulatory programs](#)  
*Physiological Genomics* (2008) 35, (123-131) DOI: 10.1152/physiolgenomics.90225.2008  
*Physiological Genomics*, 35 (2), p. 198, 2008.

[Identifying disease-causal genes using Semantic Web-based representation of integrated genomic and phenomic knowledge](#)  
*Journal of Biomedical Informatics*, 41 (5), pp. 717-729, 2008.

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*Neuroscience*, 155 (3), pp. 714-724, 2008.

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*Cancer Biology and Therapy*, 7 (8), pp. 1212-1225, 2008.

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*Journal of the American Society of Nephrology*, 19 (4), pp. 667-671, 2008.

Activator protein-1 transcription factors are associated with progression and recurrence of prostate cancer

*Cancer Research*, 68 (7), pp. 2132-2144, 2008.

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Functional evolution of the p53 regulatory network through its target response elements

*Proceedings of the National Academy of Sciences of the United States of America*, 105 (3), pp. 944-949, 2008.