

# Rachael Thomas

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

4,998  
citations

172457

29  
h-index

206112

48  
g-index

51  
all docs

51  
docs citations

51  
times ranked

5713  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Genomically Complex Human Angiosarcoma and Canine Hemangiosarcoma Establish Convergent Angiogenic Transcriptional Programs Driven by Novel Gene Fusions. <i>Molecular Cancer Research</i> , 2021, 19, 847-861.   | 3.4 | 12        |
| 2  | Development of a Genome-Wide Oligonucleotide Microarray Platform for Detection of DNA Copy Number Aberrations in Feline Cancers. <i>Veterinary Sciences</i> , 2020, 7, 88.   | 1.7 | 4         |
| 3  | Molecular prevalence of Bartonella, Babesia, and hemotropic Mycoplasma species in dogs with hemangiosarcoma from across the United States. <i>PLoS ONE</i> , 2020, 15, e0227234.   | 2.5 | 16        |
| 4  | Genome-wide DNA copy number analysis and targeted transcriptional analysis of canine histiocytic malignancies identifies diagnostic signatures and highlights disruption of spindle assembly complex. <i>Chromosome Research</i> , 2019, 27, 179-202.                          | 2.2 | 7         |
| 5  | Comparative Genomics Reveals Shared Mutational Landscape in Canine Hemangiosarcoma and Human Angiosarcoma. <i>Molecular Cancer Research</i> , 2019, 17, 2410-2421.   | 3.4 | 72        |
| 6  | <i>SETD2</i> Is Recurrently Mutated in Whole-Exome Sequenced Canine Osteosarcoma. <i>Cancer Research</i> , 2018, 78, 3421-3431.  | 0.9 | 76        |
| 7  | Genomic profiling of canine mast cell tumors identifies DNA copy number aberrations associated with KIT mutations and high histological grade. <i>Chromosome Research</i> , 2017, 25, 129-143.   | 2.2 | 24        |
| 8  | Evaluation of gene expression and DNA copy number profiles of adipose tissue-derived stromal cells and consecutive neurosphere-like cells generated from dogs with naturally occurring spinal cord injury. <i>American Journal of Veterinary Research</i> , 2017, 78, 371-380. | 0.6 | 4         |
| 9  | Canine Histiocytic Malignancies—Challenges and Opportunities. <i>Veterinary Sciences</i> , 2016, 3, 2.   | 1.7 | 13        |
| 10 | The Establishment of the Pfizer-Canine Comparative Oncology and Genomics Consortium Biospecimen Repository. <i>Veterinary Sciences</i> , 2015, 2, 127-130.   | 1.7 | 19        |
| 11 | Addendum: Mazcko, C., et al. The Establishment of the Pfizer-Canine Comparative Oncology and Genomics Consortium Biospecimen Repository. <i>Vet. Sci.</i> 2015, 2, 127-130. <i>Veterinary Sciences</i> , 2015, 2, 406-406.   | 1.7 | 0         |
| 12 | Cytogenomics of Feline Cancers: Advances and Opportunities. <i>Veterinary Sciences</i> , 2015, 2, 246-258.   | 1.7 | 13        |
| 13 | Genome-wide Association Study Identifies Shared Risk Loci Common to Two Malignancies in Golden Retrievers. <i>PLoS Genetics</i> , 2015, 11, e1004922.  | 3.5 | 66        |
| 14 | Exome sequencing of lymphomas from three dog breeds reveals somatic mutation patterns reflecting genetic background. <i>Genome Research</i> , 2015, 25, 1634-1645.   | 5.5 | 96        |
| 15 | Canine prostate cancer cell line (Probasco) produces osteoblastic metastases in vivo. <i>Prostate</i> , 2014, 74, 1251-1265.   | 2.3 | 30        |
| 16 | Genomic profiling reveals extensive heterogeneity in somatic DNA copy number aberrations of canine hemangiosarcoma. <i>Chromosome Research</i> , 2014, 22, 305-319.  | 2.2 | 54        |
| 17 | Genome-wide analyses implicate 33 loci in heritable dog osteosarcoma, including regulatory variants near CDKN2A/B. <i>Genome Biology</i> , 2013, 14, R132.   | 9.6 | 132       |
| 18 | Growth Requirements and Chromosomal Instability of Induced Pluripotent Stem Cells Generated from Adult Canine Fibroblasts. <i>Stem Cells and Development</i> , 2013, 22, 951-963.  | 2.1 | 49        |

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|----|---|-----|-----------|
| 19 | Naturally occurring canine cancers: powerful models for stimulating pharmacogenomic advancement in human medicine. <i>Pharmacogenomics</i> , 2013, 14, 1929-1931.   | 1.3 | 4         |
| 20 | Gene Profiling of Canine B-Cell Lymphoma Reveals Germinal Center and Postgerminal Center Subtypes with Different Survival Times, Modeling Human DLBCL. <i>Cancer Research</i> , 2013, 73, 5029-5039.  | 0.9 | 118       |
| 21 | CD40 ligand is necessary and sufficient to support primary diffuse large B-cell lymphoma cells in culture: a tool for <i>in vitro</i> preclinical studies with primary B-cell malignancies. <i>Leukemia and Lymphoma</i> , 2012, 53, 1390-1398.                           | 1.3 | 17        |
| 22 | Alterations of the p53 and PIK3CA/AKT/mTOR pathways in angiosarcomas. <i>Cancer</i> , 2012, 118, 5878-5887.   | 4.1 | 103       |
| 23 | The miR-17-92 cluster and its target <i>THBS1</i> are differentially expressed in angiosarcomas dependent on <i>MYC</i> amplification. <i>Genes Chromosomes and Cancer</i> , 2012, 51, 569-578.   | 2.8 | 96        |
| 24 | Refining tumor-associated aneuploidy through "genomic recoding" of recurrent DNA copy number aberrations in 150 canine non-Hodgkin lymphomas. <i>Leukemia and Lymphoma</i> , 2011, 52, 1321-1335.   | 1.3 | 89        |
| 25 | Anchoring the dog to its relatives reveals new evolutionary breakpoints across 11 species of the Canidae and provides new clues for the role of B chromosomes. <i>Chromosome Research</i> , 2011, 19, 685-708.  | 2.2 | 49        |
| 26 | Molecular cytogenetic characterization of canine histiocytic sarcoma: A spontaneous model for human histiocytic cancer identifies deletion of tumor suppressor genes and highlights influence of genetic background on tumor behavior. <i>BMC Cancer</i> , 2011, 11, 201. | 2.6 | 96        |
| 27 | FLT3 mutations in canine acute lymphocytic leukemia. <i>BMC Cancer</i> , 2011, 11, 38.  | 2.6 | 22        |
| 28 | Characterization of canine osteosarcoma by array comparative genomic hybridization and RT-qPCR: Signatures of genomic imbalance in canine osteosarcoma parallel the human counterpart. <i>Genes Chromosomes and Cancer</i> , 2011, 50, 859-874.                           | 2.8 | 69        |
| 29 | IDH1 and IDH2 hotspot mutations are not found in canine glioma. <i>International Journal of Cancer</i> , 2010, 127, 245-246.  | 5.1 | 29        |
| 30 | "Putting our heads together": insights into genomic conservation between human and canine intracranial tumors. <i>Journal of Neuro-Oncology</i> , 2009, 94, 333-349.  | 2.9 | 71        |
| 31 | Influence of genetic background on tumor karyotypes: Evidence for breed-associated cytogenetic aberrations in canine appendicular osteosarcoma. <i>Chromosome Research</i> , 2009, 17, 365-377.   | 2.2 | 74        |
| 32 | Extensive conservation of genomic imbalances in canine transmissible venereal tumors (CTVT) detected by microarray-based CGH analysis. <i>Chromosome Research</i> , 2009, 17, 927-934.  | 2.2 | 19        |
| 33 | Microarray-based cytogenetic profiling reveals recurrent and subtype-associated genomic copy number aberrations in feline sarcomas. <i>Chromosome Research</i> , 2009, 17, 987-1000.  | 2.2 | 14        |
| 34 | ORIGINS AND EVOLUTION OF A TRANSMISSIBLE CANCER. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2340-2349.  | 2.3 | 113       |
| 35 | Generation and characterization of novel canine malignant mast cell line CL1. <i>Veterinary Immunology and Immunopathology</i> , 2009, 127, 114-124.  | 1.2 | 10        |
| 36 | A Cytogenetically Characterized, Genome-Anchored 10-Mb BAC Set and CGH Array for the Domestic Dog. <i>Journal of Heredity</i> , 2007, 98, 474-484.  | 2.4 | 32        |

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|----|---|------|-----------|
| 37 | Inactivation of the p16 Cyclin-Dependent Kinase Inhibitor in High-Grade Canine Non-Hodgkin's T-Cell Lymphoma. <i>Veterinary Pathology</i> , 2007, 44, 467-478.  | 1.7  | 45        |
| 38 | A novel canine lymphoma cell line: A translational and comparative model for lymphoma research. <i>Leukemia Research</i> , 2007, 31, 1709-1720.   | 0.8  | 47        |
| 39 | Genome sequence, comparative analysis and haplotype structure of the domestic dog. <i>Nature</i> , 2005, 438, 803-819.  | 27.8 | 2,215     |
| 40 | Construction of a 2-Mb resolution BAC microarray for CGH analysis of canine tumors. <i>Genome Research</i> , 2005, 15, 1831-1837.   | 5.5  | 51        |
| 41 | Mutations of Phosphatase and Tensin Homolog Deleted from Chromosome 10 in Canine Hemangiosarcoma. <i>Veterinary Pathology</i> , 2005, 42, 618-632.  | 1.7  | 71        |
| 42 | Distinct B-Cell and T-Cell Lymphoproliferative Disease Prevalence among Dog Breeds Indicates Heritable Risk. <i>Cancer Research</i> , 2005, 65, 5654-5661.  | 0.9  | 160       |
| 43 | An integrated 4249 marker FISH/RH map of the canine genome. <i>BMC Genomics</i> , 2004, 5, 65.  | 2.8  | 107       |
| 44 | A high-resolution comparative map of canine Chromosome 5q14.3?q33 constructed utilizing the 1.5x10 <sup>6</sup> canine genome sequence. <i>Mammalian Genome</i> , 2004, 15, 544-51.                                 | 2.2  | 3         |
| 45 | A mutation in the canine BHD gene is associated with hereditary multifocal renal cystadenocarcinoma and nodular dermatofibrosis in the German Shepherd dog. <i>Human Molecular Genetics</i> , 2003, 12, 3043-3053.  | 2.9  | 157       |
| 46 | An integrated cytogenetic, radiation-hybrid, and comparative map of dog Chromosome 5. <i>Mammalian Genome</i> , 2001, 12, 371-375.  | 2.2  | 11        |
| 47 | Molecular cytogenetic analysis of a novel high-grade canine T-lymphoblastic lymphoma demonstrating co-expression of CD3 and CD79a cell markers. <i>Chromosome Research</i> , 2001, 9, 649-657.                      | 2.2  | 26        |
| 48 | Chromosome-Specific Single-Locus FISH Probes Allow Anchorage of an 1800-Marker Integrated Radiation-Hybrid/Linkage Map of the Domestic Dog Genome to All Chromosomes. <i>Genome Research</i> , 2001, 11, 1784-1795. | 5.5  | 236       |
| 49 | Reciprocal Chromosome Painting Reveals Detailed Regions of Conserved Synteny between the Karyotypes of the Domestic Dog ( <i>Canis familiaris</i> ) and Human. <i>Genomics</i> , 1999, 61, 145-155.                 | 2.9  | 152       |