

UW Department of Pathology
List of selected publications
June 2020

[“The application of in-vitro derived human neurons in neurodegenerative disease modeling”](#). D’Souza GX, et al. with additional authors: **Rose SE, Knupp A, Keene CD, Young JE**. *J. Neurosci. Res.* 2020.

[“The importance of diversity and outreach in geroscience research: Insights from the Annual Biomedical Research Conference for Minority Students”](#). **Lee MB**, et al. with additional authors: **Bitto A**. *GeroScience*. 2020.

[“Adaptable Angled Stereotactic Approach for Versatile Neuroscience Techniques”](#). **Faber CL**, et al. with additional authors: **Morton GJ**. *J. Vis. Exp.* 2020, 159.

[“Characterization of GRK5 as a novel regulator of rhabdomyosarcoma tumor cell growth and self-renewal”](#). **Pham T**, et al. with additional authors: **Robinson K, Vleeshouwer-Neumann T, Chen EY**. *Oncotarget*. 2020, 11, 1448-1461.

[“Fusing the genetic landscape of infantile high-grade gliomas”](#). Szulzewsky F, **Cimino PJ**. *Cancer Discov.* Accepted/In press.

[“A kinase-deficient NTRK2 splice variant predominates in glioma and amplifies several oncogenic signaling pathways”](#). Pattwell SS, et al. with additional authors: **Cimino PJ**. *Nat Commun.* Accepted/In press.

[“Anti-PD-L1 antibody direct activation of macrophages contributes to a radiation-induced abscopal response in glioblastoma”](#). Ene CI, et al. with additional authors: **Cimino PJ**. *Neuro-Oncology*. 2020, 22, 639-651.

[“Neurotrophic Receptor Tyrosine Kinase 2 \(NTRK2\) alterations in low-grade gliomas: Report of a novel gene fusion partner in a pilocytic astrocytoma and review of the literature”](#). Pattwell SS, et al. with additional authors: **Liu YJ, Yoda RA, Cimino PJ**. *Case Rep Pathol*. 2020.

[“In vitro modeling of GBM initiation using PDGF-AA and P53-null neural progenitors”](#). Bohm AK, et al. with additional authors: **Cimino PJ**. *Neuro Oncol*. 2020.

[“A Novel One-Day Learning Procedure for Mice”](#). **Darvas M**, et al. *Curr Protoc Mouse Biol*. 2020, 10.

[“Redefining transcriptional regulation of the APOE gene and its association with Alzheimer's disease”](#). Lee EG, et al. with additional authors: **Darvas M, Keene CD**. *PLoS One*. 2020, 15.

[“Synergistic toxicity between tau and amyloid drives neuronal dysfunction and neurodegeneration in transgenic *C. elegans*”](#). Benbow SJ, et al. with additional authors: **Darvas M, Kraemer BC**. *Hum Mol Genet*. 2020, 29, 495-505.

[“From cells to tissue: How cell scale heterogeneity impacts glioblastoma growth and treatment response”](#). Gallaher JA, et al. with additional authors: **Gonzalez-Cuyar LF**. *PLoS Comput Biol*. 2020, 16.

[“Phosphoproteomic and Kinomic Signature of Clinically Aggressive Grade I \(1.5\) Meningiomas Reveals RB1 Signaling as a Novel Mediator and Biomarker”](#). Parada CA, et al. with additional authors: **Shi M, Cimino PJ, Pan C, Gonzalez-Cuyar LF, Zhang J**. *Clin Cancer Res*. 2020, 26, 193-205.

[“Purification and Analysis of Caenorhabditis elegans Extracellular Vesicles”](#). **Russell JC, Postupna N, Golubeva A, Keene CD, Kaeberlein M**. *J Vis Exp*. 2020, 157.

[“Brain-specific repression of AMPK \$\alpha\$ 1 alleviates pathophysiology in Alzheimer's model mice”](#). Zimmermann HR, et al with additional authors: **Keene CD**. *J Clin Invest*. 2020.

[“Heterozygous STUB1 missense variants cause ataxia, cognitive decline, and STUB1 mislocalization”](#). Chen DH, et al. with additional authors: **Latimer C, Keene CD**. *Neurol Genet*. 2020, 6, 1-13.

[“Concordance of Clinical Alzheimer Diagnosis and Neuropathological Features at Autopsy”](#). Gauthreaux K, et al. with additional authors: **Keene CD**. *J Neuropathol Exp Neurol*. 2020, 79, 465-473.

[“Nasolacrimal Lymphangioma Presenting With Hemolacria”](#). Li E, et al. with additional authors: **Yoda RA, Keene CD**. *Ophthalmic Plast Reconstr Surg*. 2020.

[“Exceptionally low likelihood of Alzheimer's dementia in APOE2 homozygotes from a 5,000-person neuropathological study”](#). Reiman EM, et al. with additional authors: **Keene CD**. *Nat Commun*. 2020, 11.

[“Metastatic Renal Cell Carcinoma Masquerading as a Sphenoid Wing Meningioma”](#). Van Brummen AJ, et al. with additional authors: **Scherpelz KP, Latimer CS**. *Ophthalmic Plast Reconstr Surg*. 2020.

[“Heterozygous STUB1 Missense Variants Cause Ataxia, Cognitive Decline, and STUB1 Mislocalization”](#). Chen DH, et al. with additional authors: **Latimer C, Keene CD**. *Neurol Gene*. 2020, 6, 1-13.

[“Coniferaldehyde attenuates Alzheimer's pathology via activation of Nrf2 and its targets”](#). Dong Y, et al. with additional authors: **Stewart T, Shi M, Zhang J**. *Theranostics*. 2020, 10, 179-200.

[“Phosphoproteomic and Kinomic Signature of Clinically Aggressive Grade I \(1.5\) Meningiomas Reveals RB1 Signaling as a Novel Mediator and Biomarker”](#). CA Parada, et al. with additional authors: **Shi M, Cimino PJ, Pan C, Gonzalez-Cuyar LF, Zhang J**. *Clin Cancer Res*. 2020, 26, 193-205.

[“Differential effects of various genetic mouse models of mechanistic target of rapamycin complex I inhibition on heart failure”](#). **Dai DF**, et al. with additional authors: **Basisty N, Karunadharma P, Chiao YA, Chen T, Rabinovitch PS**. *GeroScience*. 2019, 41, 847-860.

[“Rapamycin persistently improves cardiac function in aged, male and female mice, even following cessation of treatment”](#). **Quarles E**, et al. with additional authors: **Basisty N, Chiao YA, Sweetwyne MT, Fredrickson J, Nguyen NH, Rabinovitch PS**. *Aging Cell*. 2020, 19.

[“Transient and late-life rapamycin for healthspan extension”](#). **Quarles EK, Rabinovitch PS**. *Aging* (Albany NY). 2020, 12, 4050-4051.

[“DNA Flow Cytometric Analysis of Paraffin-Embedded Tissue for the Diagnosis of Malignancy in Bile Duct Biopsies”](#). Lee H, et al. with additional authors: **Rabinovitch PS**. *Hum Pathol*. 2020, 99, 80-87.

[“Chaperone biomarkers of lifespan and penetrance track the dosages of many other proteins”](#). **Burnaevskiy N**, et al. with additional authors: **Sands B, Yun S, Kaeberlein M, Mendenhall AR**. *Nat Commun*. 2019, 10.

[“Primary Sarcomas of the Larynx: A Single Institutional Experience with Ten Cases”](#). **Mantilla JG, Xu H, Ricciotti RW**. *Head Neck Pathol*. 2019.

“Metabolic roles of orexigenic and anorexigenic neuropeptides”. **Faber CL, Morton GJ**. *Encyclopedia of Biological Chemistry, 3rd Edition* [Book Chapter].

[“Intraoperative assessment of skull base tumors using stimulated Raman scattering microscopy”](#). Shin KS, et al. with additional authors: **Cimino PJ, Latimer C, Gonzalez-Cuyar LF, Juric-Sekhar G**. *Sci Rep*. 2019, 9.

[“Cell-to-Cell Variation in Gene Expression for Cultured Human Cells Is Controlled in Trans by Diverse Genes: Implications for the Pathobiology of Aging”](#). **Zhang J**, et al. with additional authors: **Burnaevskiy N, Han W, Hou D, Ladd P, Lee L, Mendenhall AR, Oshima J, Martin GM**. *J Gerontol A Biol Sci Med Sci*. 2020.

[“Lessons for aging from Werner syndrome epigenetics”](#). **Martin GM**, et al. *Aging* (Albany NY). 2020, 12, 2022–2023.

[“A Novel MBTD1-PHF1 gene fusion in endometrial stromal sarcoma: A case report and literature review”](#). **Han L, Liu YJ, Ricciotti RW, Mantilla JG**. *Gene Chromosome Canc*. 2020, 59, 428-432.

[“Accumulation of Globotriaosylceramide in Podocytes in Fabry Nephropathy Is Associated with Progressive Podocyte Loss”](#). **Najafian B**, et al. *J Am Soc Nephrol*. 2020, 31, 865-875.

[“Reduced oligodendrocyte exosome secretion in multiple system atrophy involves SNARE dysfunction”](#). Yu Z, et al. with additional authors: **Shi M, Stewart T, Zhang J**. *Brain*. 2020.