

Administrative/Program Enrichment Core Publications (Statistics Publications)

2019

Harrison, D.E., Strong, R., Alavez, S., Astle, C.M., DiGiovanni, J., Fernandez, E., Flurkey, K., Garratt, M., Gelfond, J.A., Javors, M.A. and Levi, M., 2019. Acarbose improves health and lifespan in aging HET3 mice. *Aging Cell*, 18(2), p.e12898. PMID: 30688027 PMCID: PMC6413665

R.J., Liss, M., Risinger, A.L., Sullivan, A.C. and Thompson, I.M., 2019. Vortioxetine reverses medial prefrontal cortex-mediated cognitive deficits in male rats induced by castration as a model of androgen deprivation therapy for prostate cancer. *Psychopharmacology*, pp.1-13. PMID: 31139875.

2018

Biju, K., Evans, R. C., Shrestha, K., Carlisle, D. C., Gelfond, J., & Clark, R. A. (2018). Methylene Blue Ameliorates Olfactory Dysfunction and Motor Deficits in a Chronic MPTP/Probenecid Mouse Model of Parkinson's Disease. *Neuroscience*, 380, 111-122. PMID: 29684508.

Gelfond, J., Goros, M., Hernandez, B., & Bokov, A. (2018). A System for an Accountable Data Analysis Process in R. *The R Journal*. PMID: 30505573 PMCID: PMC6261481

2017

Espeland, M. A., Crimmins, E. M., Grossardt, B. R., Crandall, J. P., Gelfond, J. A., Harris, T. B., Rocca, W. A. (2017). Clinical trials targeting aging and age-related multimorbidity. *The Journals of Gerontology: Series A*, 72(3), 355-361. PMID: 28364543 PMCID: PMC5777384.

Rodriguez, K. A., Valentine, J. M., Kramer, D. A., Gelfond, J. A., Kristan, D. M., Nevo, E., & Bokov, A. F., Manuel, L. S., Tirado-Ramos, A., Gelfond, J. A., & Pletcher, S. D. (2017). Biologically relevant simulations for validating risk models under small-sample conditions. Paper presented at the Computers and Communications (ISCC), 2017 IEEE Symposium. DOI: 10.1109/ISCC.2017.8024544.

Ross CN, Austad S, Brasky K, Brown CJ, Forney LJ, Gelfond JA, Lanford R, Richardson A, Tardif SD. (2017) The development of a specific pathogen free (SPF) barrier colony of marmosets (*Callithrix jacchus*) for aging research. *Aging (Albany NY)*. 9(12):2544. PMID: 29227963 PMCID: PMC5764392

2016

Rodriguez, K. A., Valentine, J. M., Kramer, D. A., Gelfond, J. A., Kristan, D. M., Nevo, E., & Buffenstein, R. (2016). Determinants of rodent longevity in the chaperone-protein degradation network. *Cell Stress and Chaperones*, 21(3), 453-466. PMID: 26894765 PMCID: PMC4837185.

Fischer, K. E., Hoffman, J. M., Sloane, L. B., Gelfond, J. A., Soto, V. Y., Richardson, A. G., & Austad, S. N. (2016). A cross-sectional study of male and female C57BL/6Nia mice suggests lifespan and healthspan are not necessarily correlated. *Aging (Albany NY)*, 8(10), 2370. PMID:

27705904 PMID: PMC5115894

2015

Cunningham, G. M., Roman, M. G., Flores, L. C., Hubbard, G. B., Salmon, A. B., Zhang, Y., and Ikeno, Y. (2015). The paradoxical role of thioredoxin on oxidative stress and aging. *Archives of biochemistry and biophysics*, 576, 32-38. PMID: 25726727.

Fischer, K. E., Gelfond, J. A., Soto, V. Y., Han, C., Someya, S., Richardson, A., & Austad, S. N. (2015). Health effects of long-term rapamycin treatment: the impact on mouse health of enteric rapamycin treatment from four months of age throughout life. *PloS one*, 10(5), e0126644. PMID: 25978367 PMID: PMC4433347.

Bai X, Wey MC, Fernandez E, Hart MJ, Gelfond J, Bokov AF, Rani S, Strong R. Rapamycin improves motor function, reduces 4-hydroxynonenal adducted protein in brain, and attenuates synaptic injury in a mouse model of synucleinopathy. *Pathobiol Aging Age Relat Dis*. 2015 Aug 24;5:28743. PMID: 26306821 PMID: PMC4549373.

Hurez V, Dao V, Liu A, Pandeswara S, Gelfond J, Sun L, Bergman M, Orihuela J, Galvan V, Padron A, Drerup J, Liu Y, Hasty P, Sharp ZD, Curiel TJ. Chronic mTOR inhibition in mice with rapamycin alters T, B, myeloid and innate lymphoid cells and gut flora and prolongs life of immune deficient mice. *Aging Cell*. 2015 Dec;14(6):945-56. PMID: 26315673 PMID: PMC4693453