

Recent Publications by past and present DLSC members:

01/2020 – 9/2020

*Project leader; **Pilot and/or seed grant recipient

2) Min KR, Galvis A, Baquerizo Nole KL, Sinha R, Clarke J, Kirsner RS, Ajdic D. Association between baseline abundance of *Peptoniphilus*, a Gram-positive anaerobic coccus, and wound healing outcomes of DFUs. *PLoS One*. 2020;15(1):e0227006. Epub 2020/01/25. doi: 10.1371/journal.pone.0227006. PubMed PMID: 31978071; PMCID: PMC6980618.

4) Wang B, Clarke J, Sahyoun NR, Shao K, Dutta E, Clarke J. Assessment of the Dose-Response Relationship Between Folate Exposure and Cognitive Impairment: Synthesizing Data from Documented Studies. *Risk Anal*. 2020;40(2):276-93.

5) Frisbie CP, Lushnikov AY, Krasnoslobodtsev AV, Riethoven JM, Clarke JL, Stepchenkova EI, **Petrosyan A***. Post-ER Stress Biogenesis of Golgi Is Governed by Giantin. *Cells*. 2019;8(12):1631. Epub 2019/12/19. doi: 10.3390/cells8121631. PubMed PMID: 31847122; PMCID: PMC6953117.

01/2019 – 12/2019

- 1) Catazaro J, Caprez A, Swanson D, Powers R. Functional Evolution of Proteins. *Proteins*. 2019;87(6):492-501. Epub 2019/02/05. doi: 10.1002/prot.25670. PubMed PMID: 30714210; PMCID: PMC6462239.
- 2) Frisbie CP, Lushnikov AY, Krasnoslobodtsev AV, Riethoven JM, Clarke JL, Stepchenkova EI, **Petrosyan A***. Post-ER Stress Biogenesis of Golgi Is Governed by Giantin. *Cells*. 2019;8(12):1631. Epub 2019/12/19. doi: 10.3390/cells8121631. PubMed PMID: 31847122; PMCID: PMC6953117.
- 3) Frisbie CP, Lushnikov AY, Krasnoslobodtsev AV, Riethoven JM, Clarke JL, Stepchenkova EI, **Petrosyan A***. Post-ER Stress Biogenesis of Golgi Is Governed by Giantin. *Cells*. 2019;8(12). Epub 2019/12/19. doi: 10.3390/cells8121631. PubMed PMID: 31847122; PMCID: PMC6953117.
- 4) Manca S, Frisbie CP, LaGrange CA, Casey CA, Riethoven JM, **Petrosyan A***. The Role of Alcohol-Induced Golgi Fragmentation for Androgen Receptor Signaling in Prostate Cancer. *Mol Cancer Res*. 2019;17(1):225-37. Epub 2018/09/19. doi: 10.1158/1541-7786.MCR-18-0577. PubMed PMID: 30224543; PMCID: PMC6318054.
- 5) Rezapour M, Quintero MA, Khakoo NS, Sussman DA, Barkin JA, Clarke J, Varma T, Deshpande AR, Kerman DH, Damas O, Abreu MT. Reclassifying Pseudopolyps in Inflammatory Bowel Disease: Histologic and Endoscopic Description in the New Era of Mucosal Healing. *Crohns Colitis* 360. 2019;1(3):otz033. Epub 2019/11/02. doi: 10.1093/crocol/otz033. PubMed PMID: 31667471; PMCID: PMC6798790.

01/2018 – 12/2018

- 4) Casey CA, Thomes P, Manca S, Riethoven J-JM, Clarke J, **Petrosyan A***. Golgi Renaissance: the pivotal role of the largest Golgi protein giantin. *bioRxiv*, *Cell Biol*. 2018:1-40. doi: 10.1101/296517.
- 16) Kopf JC, Suhr MJ, Clarke J, Eyun SI, Riethoven JM, Ramer-Tait AE, Rose DJ. Role of whole grains versus fruits and vegetables in reducing subclinical inflammation and promoting gastrointestinal health

- in individuals affected by overweight and obesity: a randomized controlled trial. *Nutr J.* 2018;17(1):72. Epub 2018/08/01. doi: 10.1186/s12937-018-0381-7. PubMed PMID: 30060746; PMCID: PMC6066923.
- 17) Krumbeck JA, Rasmussen HE, Hutkins RW, Clarke J, Shawron K, Keshavarzian A, Walter J. Probiotic Bifidobacterium strains and galactooligosaccharides improve intestinal barrier function in obese adults but show no synergism when used together as synbiotics. *Microbiome.* 2018;6(1):121. Epub 2018/06/30. doi: 10.1186/s40168-018-0494-4. PubMed PMID: 29954454; PMCID: PMC6022452.
- 21) Mendoza JR, Rodas A, Oliva A, Sabillon L, Colmenares A, Clarke J, Hallen-Adams HE, Campabadal C, Bianchini A. Safety and Quality Assessment of Smallholder Farmers' Maize in the Western Highlands of Guatemala. *J Food Prot.* 2018;81(5):776-84. Epub 2018/04/07. doi: 10.4315/0362-028X.JFP-17-355. PubMed PMID: 29624105.
- 23) Petyuk VA, Chang R, Ramirez-Restrepo M, Beckmann ND, Henrion MYR, Piehowski PD, Zhu K, Wang S, Clarke J, Huentelman MJ, Xie F, Andreev V, Engel A, Guettoche T, Navarro L, De Jager P, Schneider JA, Morris CM, McKeith IG, Perry RH, Lovestone S, Woltjer RL, Beach TG, Sue LI, Serrano GE, Lieberman AP, Albin RL, Ferrer I, Mash DC, Hulette CM, Ervin JF, Reiman EM, Hardy JA, Bennett DA, Schadt E, Smith RD, Myers AJ. The human brainome: network analysis identifies HSPA2 as a novel Alzheimer's disease target. *Brain.* 2018;141(9):2721-39. Epub 2018/08/24. doi: 10.1093/brain/awy215. PubMed PMID: 30137212; PMCID: PMC6136080.
- 24) Sinha R, Weissenburger-Moser LA, Clarke JL, Smith LM, Heires AJ, Romberger DJ, LeVan TD. Short term dynamics of the sputum microbiome among COPD patients. *PLoS One.* 2018;13(3):e0191499. Epub 2018/03/09. doi: 10.1371/journal.pone.0191499. PubMed PMID: 29518088; PMCID: PMC5843169.
- 29) Xu Z, Duan Q, Cui J, Qiu Y, Jia Q, Wu C, Clarke J. Analysis of genetic and nongenetic factors influencing triglycerides-lowering drug effects based on paired observations. *BMC Proc.* 2018;12(Suppl 9):46. Epub 2018/10/03. doi: 10.1186/s12919-018-0153-6. PubMed PMID: 30275894; PMCID: PMC6157156
- interests.Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

01/2017 – 12/2017

- 3) Brahma S, Martinez I, Walter J, Clarke J, Gonzalez T, Menon R, Rose DJ. Impact of dietary pattern of the fecal donor on in vitro fermentation properties of whole grains and brans. *Journal of Functional Foods.* 2017;29:281-9. doi: 10.1016/j.jff.2016.12.042. PubMed PMID: WOS:000393847800033.
- 10) Gomes-Neto JC, Kittana H, Mantz S, Segura Munoz RR, Schmaltz RJ, Bindels LB, Clarke J, Hostetter JM, Benson AK, Walter J, Ramer-Tait AE. A gut pathobiont synergizes with the microbiota to instigate inflammatory disease marked by immunoreactivity against other symbionts but not itself. *Sci Rep.* 2017;7(1):17707. Epub 2017/12/20. doi: 10.1038/s41598-017-18014-5. PubMed PMID: 29255158; PMCID: PMC5735134.

08/2016 – 12/2016

- 1) Clarke BS, Amiri S, Clarke JL. EnsCat: clustering of categorical data via ensembling. *BMC Bioinformatics.* 2016;17(1):380. Epub 2016/09/17. doi: 10.1186/s12859-016-1245-9. PubMed PMID: 27634377; PMCID: PMC5025633.
- 2) Weh KM, Clarke J, Kresty LA. Cranberries and Cancer: An Update of Preclinical Studies Evaluating the Cancer Inhibitory Potential of Cranberry and Cranberry Derived Constituents. *Antioxidants (Basel).* 2016;5(3). Epub 2016/08/23. doi: 10.3390/antiox5030027. PubMed PMID: 27548236; PMCID: PMC5039576.