

## Center for Precision Medicine Member Publications

### List begins with start date of membership

2019

#### January 2019

1. Callese T, **Strowd R**, Navarro B, Rosenberg I, Waasdorp Hurtado C, Tai J, Riddle JM, Cianciolo AT. *Conversation Starter: Advancing the Theory of Peer-Assisted Learning*. Teach Learn Med. 2019 Jan-Mar; 31(1):7-16. PMID: 30663897. <https://doi.org/10.1080/10401334.2018.1550855>
2. Causey-Upton R, Howell DM, Kitzman PH, Custer MG, **Dressler EV**. *Factors Influencing Discharge Readiness after Total Knee Replacement*. Orthop Nurs. 2019 Jan/Feb; 38(1):6-14. PMID: 30676569. <https://doi.org/10.1097/nor.0000000000000513>
3. Divers J, **Langefeld CD**, Lyles DS, Ma L, Freedman BI. *Protective association between JC polyoma viruria and kidney disease*. Curr Opin Nephrol Hypertens. 2019 Jan; 28:65-69. PMID: 30320619. <https://doi.org/10.1097/mnh.0000000000000464>
4. Dotson T, Bellinger C, Su J, Hansen K, Parks GE, Cappellari JO, Craddock L, Clark H, Howard C, Petty WJ, Prakash B, **Watabe K**, Chan M, Hovda J, Miller LD, Ruiz J. *Feasibility of lung cancer RNA acquisition from a single transbronchial or transthoracic needle pass (FASTT trial)*. Lung Cancer. 2019 Jan; 127:6-11. PMCID: PMC6386467. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6386467/>
5. **Dressler EV**, Liu M, Garcia CR, Dolecek TA, Pittman T, Huang B, Villano JL. *Patterns and disparities of care in glioblastoma*. Neurooncol Pract. 2019 Jan; 6:37-46. PMCID: PMC6352755. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6352755/>
6. Forshaw TE, Holmila R, Nelson KJ, Lewis JE, Kemp ML, Tsang AW, Poole LB, Lowther WT, **Furdui CM**. *Peroxiredoxins in Cancer and Response to Radiation Therapies*. Antioxidants (Basel). 2019 Jan 1; 8. pii: E11. PMCID: PMC6356878. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6356878/>
7. Holdhoff M, Ye X, Piotrowski AF, **Strowd RE**, Seopaul S, Lu Y, Barker NJ, Sivakumar A, Rodriguez FJ, Grossman SA, Burger PC. *The consistency of neuropathological diagnoses in patients undergoing surgery for suspected recurrence of glioblastoma*. J Neurooncol. 2019 Jan; 141(2):347-354. PMCID: PMC6342857. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6342857/>
8. Houston DK, Miller ME, Kitzman DW, Rejeski WJ, Messier SP, Lyles MF, Kritchevsky SB, **Nicklas BJ**. *Long-Term Effects of Randomization to a Weight Loss Intervention in Older Adults: A Pilot Study*. J Nutr Gerontol Geriatr. 2019 Jan-Mar; 38:83-99. PMCID: PMC6447460. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6447460/>
9. Kilpeläinen TO, Bentley AR, Noordam R, Sung YJ, Schwander K, Winkler TW, Jakupović H, Chasman DI, Manning A, Ntalla I, Aschard H, Brown MR, de Las Fuentes L, Franceschini N, Guo X, Vojinovic D, **Hsu FC**, **Langefeld CD**, Langenberg C, Launer LJ, Leander K, Lemaitre RN, Lewis CE, Liang J; Lifelines Cohort Study, Liu J, Mägi R, Manichaikul A, Meitinger T, Metspalu A, Milaneschi Y, Mohlke KL, Mosley TH Jr, Murray AD, Nalls MA, Nang EK, Nelson CP, Nona S, Norris JM, Nwuba CV, O'Connell J, **Palmer ND**, **Bowden DW**, et al., *Multi-ancestry study of blood lipid levels identifies four loci interacting with physical activity*. Nat Commun. 2019 Jan 22; 10:376. PMCID: PMC6342931. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6342931/>
10. Kraja AT, Liu C, Fetterman JL, Graff M, Have CT, Gu C, Yanek LR, Feitosa MF, Arking DE, Chasman DI, Young K, Ligthart S, Hill WD, Weiss S, Luan J, Giulianini F, Li-Gao R, Hartwig FP, **Bowden DW**, et al., *Associations of Mitochondrial and Nuclear Mitochondrial Variants and Genes with Seven Metabolic Traits*. Am J Hum Genet. 2019 Jan 3; 104:112-138. PMCID: PMC6323610. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6323610/>

11. Kuncewitch MP, Blackham AU, Clark CJ, Dodson RM, Russell GB, **Levine EA**, Shen P. *Effect of Negative Pressure Wound Therapy on Wound Complications Post-Pancreatectomy*. Am Surg. 2019 Jan 1; 85:1-7. PMID: PMC6743488. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6743488/>
12. Latimer CS, **Shively CA**, Keene CD, Jorgensen MJ, Andrews RN, **Register TC**, Montine TJ, Wilson AM, Neth BJ, Mintz A, Maldjian JA, Whitlow CT, Kaplan JR, Craft S. *A non-human primate model of early Alzheimer's disease pathologic change: Implications for disease pathogenesis*. Alzheimers Dement. 2019 Jan; 15(1):93-105. PMID: PMC6383152. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6383152/>
13. Lewis JE, Singh N, Holmila RJ, Sumer BD, Williams NS, **Furdui CM**, Kemp ML, Boothman DA. *Targeting NAD<sub>+</sub> Metabolism to Enhance Radiation Therapy Responses*. Semin Radiat Oncol. 2019 Jan; 29:6-15. PMID: PMC6310039. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6310039/>
14. Merrill AY, Garland MM, Howard-McNatt M, Isnassuos M, Perry KC, **Levine EA**. *What Is the Utility of Routine Complete Blood Count, Liver Function Tests, and Chest X-ray in the Evaluation of Patients with Clinically Node-Negative Breast Cancer?* Am Surg. 2019 Jan 1; 85(1):29-33. PMID: 30760341
15. **Misra BB**, Mohapatra S. *Tools and resources for metabolomics research community: A 2017-2018 update*. Electrophoresis. 2019 Jan; 40:227-246. PMID: 30443919. <https://doi.org/10.1002/elps.201800428>
16. Pils MC, Kränzler K, Beyer P, Heise U, **Pasche B**, Riedesel H. *Validation of an Autoclave Procedure for Sterilization of Mouse (Mus musculus) Carcasses*. J Am Assoc Lab Anim Sci. 2019 Jan 1; 58:87-91. PMID: PMC6351042. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6351042/>
17. **Quillen EE**, Norton HL, Parra EJ, Lona-Durazo F, Ang KC, Illiescu FM, Pearson LN, Shriver MD, Lasisi T, Gokcumen O, Starr I, Lin YL, Martin AR, Jablonski NG. *Shades of complexity: New perspectives on the evolution and genetic architecture of human skin*. Am J Phys Anthropol. 2019 Jan; 168 Suppl 67:4-26. PMID: 30408154. <https://doi.org/10.1002/ajpa.23737>
18. Rivera-Chávez J, El-Elimat T, Gallagher JM, Graf TN, Fournier J, Panigrahi GK, **Deep G**, Bunch RL, Raja HA, Oberlies NH. *Delitpyrones:  $\alpha$ -Pyrone Derivatives from a Freshwater Delitschia sp.* Planta Med. 2019 Jan; 85:62-71. PMID: 30016827. <https://doi.org/10.1055/a-0654-5850>
19. Rogers J, Raveendran M, Harris RA, Mailund T, Leppälä K, Athanasiadis G, Schierup MH, Cheng J, Munch K, Walker JA, Konkel MK, Jordan V, Steely CJ, Beckstrom TO, Bergey C, Burrell A, Schrempf D, Noll A, Kothe M, Kopp GH, Liu Y, Murali S, Billis K, Martin FJ, Muffato M, **Cox L**, et al., *The comparative genomics and complex population history of Papio baboons*. Science advances. Jan 2019; 5:eaau6947. PMID: PMC6401983. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6401983/>
20. Rosario FJ, Gupta MB, Myatt L, Powell TL, Glenn JP, **Cox L**, Jansson T. *Mechanistic Target of Rapamycin Complex 1 Promotes the Expression of Genes Encoding Electron Transport Chain Proteins and Stimulates Oxidative Phosphorylation in Primary Human Trophoblast Cells by Regulating Mitochondrial Biogenesis*. Scientific reports. Jan 2019; 9:246. PMID: PMC6343003. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6343003/>
21. Saez D, Dushime R, Wu H, Ramos Cordova LB, Shukla K, Brown-Harding H, **Furdui CM**, Tsang AW. *Sulforaphane promotes chlamydial infection by suppressing mitochondrial protein oxidation and activation of complement C3*. Protein Sci. 2019 Jan; 28:216-227. PMID: PMC6296177. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6296177/>
22. Shenker RF, McTyre ER, Taksler GB, D'Agostino RB Jr, Cramer CK, Ruiz J, Alphonse-Sullivan NK, Farris M, **Watabe K**, Xing F, Laxton AW, Tatter SB, Chan MD. *Analysis of the drivers of cost of management when patients with brain metastases are treated with upfront radiosurgery*. Clin Neurol Neurosurg. 2019 Jan; 176:10-14. PMID: PMC6857789. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6857789/>

23. Sherman RM, Forman J, Antonescu V, Puiu D, Daya M, Rafaels N, Boorgula MP, Chavan S, Vergara C, **Ortega VE**, et al., *Assembly of a pan-genome from deep sequencing of 910 humans of African descent*. Nat Genet. 2019 Jan; 51:30-35. PMID: PMC6309586. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6309586/>
24. **South AM**, Nixon PA, Chappell MC, Diz DI, Russell GB, Jensen ET, Shaltout HA, O'Shea TM, Washburn LK. *Renal function and blood pressure are altered in adolescents born preterm*. Pediatr Nephrol. 2019 Jan; 34:137-144. PMID: PMC6237649. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6237649/>
25. **South AM**, Shaltout HA, Washburn LK, Hendricks AS, Diz DI, Chappell MC. *Fetal programming and the angiotensin-(1-7) axis: a review of the experimental and clinical data*. Clin Sci (Lond). 2019 Jan; 133:55-74. PMID: PMC6716381. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6716381/>
26. Taylor KD, Guo X, Zangwill LM, Liebmann JM, Girkin CA, Feldman RM, Dubiner H, Hai Y, Samuels BC, Panarelli JF, Mitchell JP, Al-Aswad LA, Park SC, Tello C, Cotliar J, Bansal R, Sidoti PA, Cioffi GA, Blumberg D, Ritch R, Bell NP, Blieden LS, Davis G, Medeiros FA, **Das SK**, Divers J, **Langefeld CD**, **Palmer ND**, Freedman BI, **Bowden DW**, et al., *Genetic Architecture of Primary Open-Angle Glaucoma in Individuals of African Descent: The African Descent and Glaucoma Evaluation Study III*. Ophthalmology. 2019 Jan; 126:38-48. PMID: PMC6309605. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6309605/>
27. Vaz Fragoso CA, Manini TM, Kairalla JA, Buford TW, **Hsu FC**, Gill TM, Kritchevsky SB, McDermott MM, Sanders JL, Cummings SR, Tranah GJ. *Mitochondrial DNA variants and pulmonary function in older persons* Exp Gerontol. 2019 Jan; 115:96-103. PMID: PMC6356103. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6356103/>
28. Votanopoulos KI, Mazzocchi A, Sivakumar H, Forsythe S, Aleman J, **Levine EA**, Skardal A. *Appendiceal Cancer Patient-Specific Tumor Organoid Model for Predicting Chemotherapy Efficacy Prior to Initiation of Treatment: A Feasibility Study*. Ann Surg Oncol. 2019 Jan; 26:139-147. PMID: 30414038. <https://doi.org/10.1245/s10434-018-7008-2>
29. Yan D, Wages NA, **Dressler EV**. *Improved adaptive randomization strategies for a seamless Phase I/II dose-finding design*. J Biopharm Stat. 2019 Jan; 29:333-347. PMID: 30451068. <https://doi.org/10.1080/10543406.2018.1535496>
30. Zangwill LM, Ayyagari R, Liebmann JM, Girkin CA, Feldman R, Dubiner H, Dirkes KA, Holmann M, Williams-Steppe E, Hammel N, Saunders LJ, Vega S, Sandow K, Roll K, Slight R, Auerbach D, Samuels BC, Panarelli JF, Mitchell JP, Al-Aswad LA, Park SC, Tello C, Cotliar J, Bansal R, Sidoti PA, Cioffi GA, Blumberg D, Ritch R, Bell NP, Blieden LS, Davis G, Medeiros FA, Ng MCY, **Das SK**, **Palmer ND**, Divers J, **Langefeld CD**, Freedman BI, **Bowden DW**, Christopher MA, Chen YI, Guo X, Taylor KD, Rotter JI, Weinreb RN; African Descent and Glaucoma Evaluation Study III Genomics Study Group. *The African Descent and Glaucoma Evaluation Study (ADAGES) III: Contribution of Genotype to Glaucoma Phenotype in African Americans: Study Design and Baseline Data*. Ophthalmology. 2019 Jan; 126:156-170. PMID: PMC6050158. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6050158/>

## **February 2019**

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32. Daya M, Rafaels N, Brunetti TM, Chavan S, Levin AM, Shetty A, Gignoux CR, Boorgula MP, Wojcik G, Campbell M, Vergara C, Torgerson DG, **Ortega VE**, et al., *Association study in African-admixed populations across the Americas recapitulates asthma risk loci in non-African populations*. Nat Commun. 2019 Feb 20; 10:880. PMID: PMC6382865. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6382865/>

33. Hale LP, Rajam G, Carlone GM, Jiang C, Owzar K, Dugan G, Caudell D, Chao N, **Cline JM, Register TC, Sempowski GD** *Late effects of total body irradiation on hematopoietic recovery and immune function in rhesus macaques.* PLoS One Feb 2019; 14(2):e0210663. PMCID: PMC6373904.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6373904/>
34. Hughson AR, Horvath AP, Holl K, Palmer AA, **Solberg Woods LC**, Robinson TE, Flagel SB. *Incentive salience attribution, "sensation-seeking" and "novelty-seeking" are independent traits in a large sample of male and female heterogeneous stock rats.* Sci Rep. 2019 Feb 20;9:2351. PMCID: PMC6382850.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6382850/>
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<http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7083202/>
36. Peak TC, Su Y, Chapple AG, Chyr J, **Deep G**. *Syntaxin 6: A novel predictive and prognostic biomarker in papillary renal cell carcinoma.* Sci Rep. 2019 Feb 28; 9:3146. PMCID: PMC6395695.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6395695/>
37. Pollack S, Igo RP Jr, Jensen RA, Christiansen M, Li X, Cheng CY, Ng MCY, Smith AV, Rossin EJ, Segrè AV, Davoudi S, Tan GS, Chen YI, Kuo JZ, Dimitrov LM, **Bowden DW**, et al., *Multiethnic Genome-Wide Association Study of Diabetic Retinopathy Using Liability Threshold Modeling of Duration of Diabetes and Glycemic Control.* Diabetes. 2019 Feb; 68:441-456. PMCID: PMC6341299. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6341299/>
38. Robinson RR, Dietz AK, Maroof AM, **Asmis R**, Forsthuber TG. *The role of glial-neuronal metabolic cooperation in modulating progression of multiple sclerosis and neuropathic pain.* Immunotherapy. 2019 Feb; 11:129-147. PMCID: PMC6354220. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6354220/>
39. Sherman RM, Forman J, Antonescu V, Puiu D, Daya M, Rafaels N, Boorgula MP, Chavan S, Vergara C, **Ortega VE**, et al., *Author Correction: Assembly of a pan-genome from deep sequencing of 910 humans of African descent.* Nat Genet. 2019 Feb; 51:364. PMID: 30647471. <https://doi.org/10.1038/s41588-018-0335-1>
40. **South AM**, Nixon PA, Chappell MC, Diz DI, Russell GB, Shaltout HA, O'Shea TM, Washburn LK. *Obesity is Associated with Higher Blood Pressure and Higher Levels of Angiotensin II but Lower Angiotensin-(1-7) in Adolescents Born Preterm.* J Pediatr. 2019 Feb; 205:55-60.e1. PMCID: PMC6561332.  
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43. Wang ZM, Leng X, Messi ML, Choi SJ, Marsh AP, **Nicklas B**, Delbono O. *Relationship of Physical Function to Single Muscle Fiber Contractility in Older Adults: Effects of Resistance Training With and Without Caloric Restriction.* J Gerontol A Biol Sci Med Sci. 2019 Feb 15; 74:412-419. PMCID: PMC6376083.  
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*Hospitalizations on Physical Activity Patterns in Mobility-Limited Older Adults.* J Am Geriatr Soc. 2019 Feb; 67:261-268. PMID: PMC6613645. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6613645/>

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### March 2019

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49. **Andrews RN**, Dugan GO, Peiffer AM, **Hawkins GA**, Hanbury DB, Bourland JD, Hampson RE, Deadwyler SA, **Cline JM**. *White Matter is the Predilection Site of Late-Delayed Radiation-Induced Brain Injury in Non-Human Primates.* Radiation research. March 2019; 191:217-231. PMID: PMC6422025. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6422025/>
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51. Dohm A, Su J, McTyre ER, Taylor JM, Miller LD, Petty WJ, Xing F, Lo HW, Metheny-Barlow LJ, O'Neill S, Bellinger C, Dotson T, **Pasche B**, **Watabe K**, Chan MD, Ruiz J. *Identification of CD37, cystatin A, and IL-23A gene expression in association with brain metastasis: analysis of a prospective trial.* Int J Biol Markers. 2019 Mar; 34:90-97. PMID: PMC7366361. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc7366361/>
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54. Laufer VA, Tiwari HK, Reynolds RJ, Danila MI, Wang J, Edberg JC, Kimberly RP, Kottyan LC, Harley JB, Mikuls TR, Gregersen PK, Absher DM, **Langefeld CD**, Arnett DK, Louis Bridges S Jr. *Genetic Influences on Susceptibility*

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56. Li Z, Forshaw TE, Holmila RJ, Vance SA, Wu H, Poole LB, **Furdui CM**, King SB. *Triphenylphosphonium-Derived Protein Sulfenic Acid Trapping Agents: Synthesis, Reactivity, and Effect on Mitochondrial Function*. Chem Res Toxicol. 2019 Mar 18; 32:526-534. PMID: PMC6719313. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6719313/>
57. Mihalko SL, Cox P, Beavers DP, Miller GD, **Nicklas BJ**, Lyles M, Hunter DJ, Eckstein F, Guermazi A, Loeser RF, DeVita P, Messier SP. *Effect of intensive diet and exercise on self-efficacy in overweight and obese adults with knee osteoarthritis: The IDEA randomized clinical trial*. Transl Behav Med. 2019 Mar 1; 9:227-235. PMID: PMC6417150. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6417150/>
58. Panigrahi GK, Praharaj PP, Kittaka H, Mridha AR, Black OM, Singh R, Mercer R, van Bokhoven A, Torkko KC, Agarwal C, Agarwal R, Abd Elmageed ZY, Yadav H, Mishra SK, **Deep G**. *Exosome proteomic analyses identify inflammatory phenotype and novel biomarkers in African American prostate cancer patients*. Cancer Med. 2019 Mar; 8:1110-1123. PMID: PMC6434210. <http://www.ncbi.nlm.nih.gov/pmc/articles/pmc6434210/>
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