

Scholarship Reporting – 2019

BIOMEDICAL SCIENCES

Biomed faculty/adjunct faculty authors: 72

Total publications: 56

Includes former faculty authors who list UND Biomedical Sciences in their author information for that publication.

1. Nieborowska-Skorska M, Maifrede S, Ye M, Toma M, Hewlett E, Gordon J, Le BV, Sliwinski T, Zhao H, Piwocka K, Valent P, **Tulin AV**, Childers W, Skorski T. Non-NAD-like PARP1 inhibitor enhanced synthetic lethal effect of NAD-like PARP inhibitors against BRCA1-deficient leukemia. *Leuk Lymphoma*. 2019 Apr;60(4):1098-1101. doi: 10.1080/10428194.2018.1520988. Epub 2018 Oct 2. No abstract available. PMID: 30277116
2. Sukumaran P, Sun Y, Zangbede FQ, da Conceicao VN, **Mishra B, Singh BB**. TRPC1 expression and function inhibit ER stress and cell death in salivary gland cells. *FASEB Bioadv*. 2019 Jan;1(1):40-50. doi: 10.1096/fba.1021. Epub 2018 Oct 8. PMID: 31111119
3. Ye Y, Hui L, Lakpa KL, Xing Y, Wollenzien H, **Chen X**, Zhao JX, **Geiger JD**. Effects of silica nanoparticles on endolysosome function in primary cultured neurons. *Can J Physiol Pharmacol*. 2019 Apr;97(4):297-305. doi: 10.1139/cjpp-2018-0401. Epub 2018 Oct 12 PMID: 30312546
4. Tublin JM, Adelstein JM, Del Monte F, **Combs CK**, Wold LE. Getting to the Heart of Alzheimer Disease. *Circ Res*. 2019 Jan 4;124(1):142-149. doi: 10.1161/CIRCRESAHA.118.313563. PMID: 30605407
5. de Anda-Jáuregui G, Guo K, McGregor BA, Feldman EL, **Hur J**. Pathway crosstalk perturbation network modeling for identification of connectivity changes induced by diabetic neuropathy and pioglitazone. *BMC Syst Biol*. 2019 Jan 7;13(1):1. doi: 10.1186/s12918-018-0674-7. PMID: 30616626
6. de Anda-Jáuregui G, Guo K, **Hur J**. Network-Based Assessment of Adverse Drug Reaction Risk in Polypharmacy Using High-Throughput Screening Data. *Int J Mol Sci*. 2019 Jan 17;20(2). pii: E386. doi: 10.3390/ijms20020386. PMID: 30658437
7. Quinlan MA, Krout D, Katamish RM, Robson MJ, Nettesheim C, Gresch PJ, Mash DC, **Henry LK**, Blakely RD. Human Serotonin Transporter Coding Variation Establishes Conformational Bias with Functional Consequences. *ACS Chem Neurosci*. 2019 Jul 17;10(7):3249-3260. doi: 10.1021/acscchemneuro.8b00689. Epub 2019 Feb 5. PMID: 30668912
8. Wang F, Zhou S, Qi D, Xiang SH, Wong ET, Wang X, Fonkem E, Hsieh TC, Yang J, Kirmani B, Shabb JB, Wu JM, **Wu M**, Huang JH, Yu WH, Wu E. J. Nucleolin Is a Functional Binding Protein for Salinomycin in Neuroblastoma Stem Cells. *J Am Chem Soc*. 2019 Feb 27;141(8):3613-3622. doi: 10.1021/jacs.8b12872. Epub 2019 Feb 13. PMID: 30689374

9. Schacke M, Kumar J, Colwell N, Hermanson K, Folle GA, **Nechaev S**, **Dhasarathy A**, Lafon-Hughes L. PARP-1/2 Inhibitor Olaparib Prevents or Partially Reverts EMT Induced by TGF- β in NMuMG Cells. *Int J Mol Sci*. 2019 Jan 26;20(3). pii: E518. doi: 10.3390/ijms20030518. PMID: 30691122
10. Lawrence R. The Importance of Ethics in Scientific Research. *Lipids*. 2019 Jan 29. doi: 10.1002/lipd.12118. [Epub ahead of print] No abstract available. PMID: 30693960
11. Tripathi JK, **Sharma A**, Gupta K, Abdelrahman H, Chauhan P, **Mishra BB**, **Sharma J**. Function of SLAM-Associated Protein (SAP) in Acute Pneumoseptic Bacterial Infection. *J Mol Biol*. 2019 Oct 4;431(21):4345-4353. doi: 10.1016/j.jmb.2019.07.002. Epub 2019 Jul 8.
12. Nichols MR, St-Pierre MK, Wendeln AC, Makoni NJ, Gouwens LK, Garrad EC, Sohrabi M, Neher JJ, Tremblay ME, **Combs CK**. Inflammatory mechanisms in neurodegeneration. *J Neurochem*. 2019 Jun;149(5):562-581. doi: 10.1111/jnc.14674. Epub 2019 Mar 27. Review. PMID: 30702751
13. Marwarha G, Claycombe-Larson K, Lund J, Schommer J, **Ghribi O**. A Diet Enriched in Palmitate and Deficient in Linoleate Exacerbates Oxidative Stress and Amyloid- β Burden in the Hippocampus of 3xTg-AD Mouse Model of Alzheimer's Disease. *J Alzheimers Dis*. 2019;68(1):219-237. doi: 10.3233/JAD-180835.
14. Wang K, Chen Y, Zhang P, Lin P, Xie N, **Wu M**. Protective Features of Autophagy in Pulmonary Infection and Inflammatory Diseases. *Cells*. 2019 Feb 3;8(2). pii: E123. doi: 10.3390/cells8020123. Review. PMID:30717487
15. de Anda-Jáuregui G, McGregor BA, Guo K, **Hur J**. A Network Pharmacology Approach for the Identification of Common Mechanisms of Drug-Induced Peripheral Neuropathy. *CPT Pharmacometrics Syst Pharmacol*. 2019 Apr;8(4):211-219. doi: 10.1002/psp4.12383. Epub 2019 Feb 20. PMID: 30762308
16. Lin P, Pu Q, Shen G, Li R, Guo K, Zhou C, Liang H, Jiang J, **Wu M**. CdpR Inhibits CRISPR-Cas Adaptive Immunity to Lower Anti-viral Defense while Avoiding Self-Reactivity. *iScience*. 2019 Mar 29;13:55-68. doi: 10.1016/j.isci.2019.02.005. Epub 2019 Feb 15. PMID:30822746
17. Melas IN, Sakellaropoulos T, **Hur J**, Messinis D, Guo EY, Alexopoulos LG, Bai JPF. A Computational Platform and Guide for Acceleration of Novel Medicines and Personalized Medicine. *Methods Mol Biol*. 2019;1939:181-198. doi: 10.1007/978-1-4939-9089-4_10. *Methods Mol Biol*. 2019. PMID:30848462
18. Askvig JM, **Watt JA**. Absence of axonal sprouting following unilateral lesion in 125-day-old rat supraoptic nucleus may be due to age-dependent decrease in protein levels of ciliary neurotrophic factor receptor alpha. *J Comp Neurol*. 2019 Oct 1;527(14):2291-2301. doi: 10.1002/cne.24675. Epub 2019 Mar 25. PMID: 30861131
19. de Anda-Jáuregui G, Guo K, McGregor BA, Feldman EL, **Hur J**. Correction to: Pathway crosstalk perturbation network modeling for identification of connectivity changes induced by diabetic neuropathy and pioglitazone. *BMC Syst Biol*. 2019 Mar 13;13(1):31. doi: 10.1186/s12918-019-0707-x. PMID:30866938

20. Chaturvedi LS, Wang Q, More SK, **Vomhof-DeKrey EE**, **Basson MD**. Schlafen 12 mediates the effects of butyrate and repetitive mechanical deformation on intestinal epithelial differentiation in human Caco-2 intestinal epithelial cells. *Hum Cell*. 2019 Jul;32(3):240-250. doi: 10.1007/s13577-019-00247-3. Epub 2019 Mar 14. PMID: 30875077
21. Ray P, Nair G, Ghosh A, Banerjee S, **Golovko MY**, Banerjee SK, Reindl KM, Mallik S, Quadir M. Microenvironment-sensing, nanocarrier-mediated delivery of combination chemotherapy for pancreatic cancer. *J Cell Commun Signal*. 2019 Mar 26. doi: 10.1007/s12079-019-00514-w. [Epub ahead of print] PMID:30915617
22. O'Donnell KL, Meberg B, Schiltz J, **Nilles ML**, **Bradley DS**. 11Zika Virus-Specific IgY Results Are Therapeutic Following a Lethal Zika Virus Challenge without Inducing Antibody-Dependent Enhancement. *Viruses*. 2019 Mar 26;11(3). pii: E301. doi: 10.3390/v030301. PMID:30917523
23. Hoggarth A, Weaver A, Pu Q, Huang T, Schettler J, Chen F, Yuan X, **Wu M**. Mechanistic research holds promise for bacterial vaccines and phage therapies for *Pseudomonas aeruginosa*. *Drug Des Devel Ther*. 2019 Mar 20;13:909-924. doi: 10.2147/DDDT.S189847. eCollection 2019. Review. PMID:30936684
24. **Brissette CA**. TICK TOCK-Time Is Running Out, as the United States Is Being Invaded by the Longhorned Tick! *Vector Borne Zoonotic Dis*. 2019 May;19(5):307-308. doi: 10.1089/vbz.2019.2473. Epub 2019 Apr 9. No abstract available. PMID:30964394
25. Bolland DE, Moritz AE, Stanislawski DJ, **Vaughan RA**, **Foster JD**. Palmitoylation by Multiple DHHC Enzymes Enhances Dopamine Transporter Function and Stability. *ACS Chem Neurosci*. 2019 Jun 19;10(6):2707-2717. doi: 10.1021/acchemneuro.8b00558. Epub 2019 Apr 19. PMID: 30965003
26. Li H, Hu B, Zhang HP, Boyle CA, **Lei S**. Roles of K⁺ and cation channels in ORL-1 receptor-mediated depression of neuronal excitability and epileptic activities in the medial entorhinal cortex. *Neuropharmacology*. 2019 Apr 15;151:144-158. doi: 10.1016/j.neuropharm.2019.04.017. [Epub ahead of print] PMID: 30998945
27. Thomas C, Ji Y, Wu C, Datz H, Boyle C, MacLeod B, Patel S, Ampofo M, Currie M, Harbin J, Pechenkina K, Lodhi N, Johnson SJ, **Tulin AV**. Hit and run versus long-term activation of PARP-1 by its different domains fine-tunes nuclear processes. *Proc Natl Acad Sci U S A*. 2019 May 14;116(20):9941-9946. doi: 10.1073/pnas.1901183116. Epub 2019 Apr 26.
28. **Sharma A**, McCann K, Tripathi JK, Chauhan P, Zerbe C, **Mishra BB**, Holland SM, **Sharma J**. Tamoxifen restores extracellular trap formation in neutrophils from patients of chronic granulomatous disease, in ROS-independent manner. *J Allergy Clin Immunol*. 2019 Aug;144(2):597-600.e3. doi: 10.1016/j.jaci.2019.04.014. Epub 2019 Apr 27.
29. Wang B, Chen T, Xue L, Wang J, Jia Y, Li G, Ren H, Wu F, **Wu M**, Chen Y. Methamphetamine exacerbates neuroinflammatory response to lipopolysaccharide by activating dopamine D1-like receptors. *Int Immunopharmacol*. 2019 Aug;73:1-9. doi: 10.1016/j.intimp.2019.04.053. Epub 2019 May 9. PMID: 31078920

30. Liu J, Cheng H, Xiang M, Zhou L, Wu B, Moskowitz IP, Zhang K, **Xie L**. Gata4 regulates hedgehog signaling and Gata6 expression for outflow tract development. *PLoS Genet*. 2019 May 23;15(5):e1007711. doi: 10.1371/journal.pgen.1007711. eCollection 2019 May. PMID: 31120883
31. Yang C, Lou W, Zhong G, Lee A, Leong J, Chin W, Ding B, Bao C, Tan JPK, Pu Q, Gao S, Xu L, Yang Hsu L, **Wu M**, Hedrick JL, Fan W, Yan Yang Y. Degradable antimicrobial polycarbonates with unexpected activity and selectivity for treating multidrug-resistant *Klebsiella pneumoniae* lung infection in mice. *Acta Biomater*. 2019 Aug;94:268-280. doi: 10.1016/j.actbio.2019.05.057. Epub 2019 May 24.
32. Guo K, Elzinga S, Eid S, Figueroa-Romero C, Hinder LM, Pacut C, Feldman EL, **Hur J**. Genome-wide DNA methylation profiling of human diabetic peripheral neuropathy in subjects with type 2 diabetes mellitus. *Epigenetics*. 2019 Aug;14(8):766-779. doi: 10.1080/15592294.2019.1615352. Epub 2019 May 28. PMID: 31132961
33. Elzinga S, Murdock BJ, Guo K, Hayes JM, Tabbey MA, **Hur J**, Feldman EL. Toll-like receptors and inflammation in metabolic neuropathy; a role in early versus late disease? *Exp Neurol*. 2019 Oct;320:112967. doi: 10.1016/j.expneurol.2019.112967. Epub 2019 May 28.
34. Schaar A, Sun Y, Sukumaran P, **Rosenberger TA**, Krout D, Roemmich JN, Brinbaumer L, Claycombe-Larson K, Singh BB. Ca²⁺ entry via TRPC1 is essential for cellular differentiation and modulates secretion via the SNARE complex. *J Cell Sci*. 2019 Jul 1;132(13). pii: jcs231878. doi: 10.1242/jcs.231878. PMID: 31182642
35. Ambigapathy G, Schmit T, Mathur RK, **Nookala S**, Bahri S, Pirofski LA, **Khan MN**. Double-Edged Role of Interleukin 17A in *Streptococcus pneumoniae* Pathogenesis During Influenza Virus Coinfection. *J Infect Dis*. 2019 Jul 31;220(5):902-912. doi: 10.1093/infdis/jiz193. PMID: 31185076
36. Scheidegger A, Dunn CJ, Samarakkody A, Koney NK, Perley D, Saha RN, **Nechaev S**. Genome-wide RNA pol II initiation and pausing in neural progenitors of the rat. *BMC Genomics*. 2019 Jun 11;20(1):477. doi: 10.1186/s12864-019-5829-4. PMID: 31185909
37. Jutras BL, Savage CR, Arnold WK, Lethbridge KG, Carroll DW, Tilly K, Bestor A, Zhu H, Seshu J, Zückert WR, Stewart PE, Rosa PA, **Brisette CA**, Stevenson B. The Lyme disease spirochete's BpuR DNA/RNA-binding protein is differentially expressed during the mammal-tick infectious cycle, which affects translation of the SodA superoxide dismutase. *Mol Microbiol*. 2019 Sep;112(3):973-991. doi: 10.1111/mmi.14336. Epub 2019 Jul 7. PMID: 31240776
38. Wang Z, Pu Q, Lin P, Li C, Jiang J, **Wu M**. Design of Cecal Ligation and Puncture and Intranasal Infection Dual Model of Sepsis-Induced Immunosuppression. *J Vis Exp*. 2019 Jun 15;(148). doi: 10.3791/59386. PMID: 31259890
39. **Vomhof-DeKrey EE**, Lee J, Lansing J, Brown C, Darland D, **Basson MD**. Schlafen 3 knockout mice display gender-specific differences in weight gain, food efficiency, and expression of markers of intestinal epithelial differentiation, metabolism, and immune cell function. *PLoS One*. 2019 Jul 1;14(7):e0219267. doi: 10.1371/journal.pone.0219267. eCollection 2019. PMID: 31260507

40. Manocha GD, Floden AM, Miller NM, Smith AJ, Nagamoto-Combs K, Saito T, Saido TC, **Combs CK**. Temporal progression of Alzheimer's disease in brains and intestines of transgenic mice. *Neurobiol Aging*. 2019 Sep;81:166-176. doi: 10.1016/j.neurobiolaging.2019.05.025. Epub 2019 Jun 13. PMID: 31284126
41. Nash B, Tarn K, Irollo E, Luchetta J, Festa L, Halcrow P, Datta G, **Geiger JD**, Meucci O. Morphine-Induced Modulation of Endolysosomal Iron Mediates Upregulation of Ferritin Heavy Chain in Cortical Neurons. *eNeuro*. 2019 Jul 31;6(4). pii: ENEURO.0237-19.2019. doi: 10.1523/ENEURO.0237-19.2019. Print 2019 Jul/Aug. PMID: 31300544
42. Zhang Y, Zhou CM, Pu Q, Wu Q, Tan S, Shao X, Zhang W, Xie Y, Li R, Yu XJ, Wang R, Zhang L, **Wu M**, Deng X. *Pseudomonas aeruginosa* Regulatory Protein AnvM Controls Pathogenicity in Anaerobic Environments and Impacts Host Defense. *MBio*. 2019 Jul 23;10(4). pii: e01362-19. doi: 10.1128/mBio.01362-19. PMID: 31337721
43. Xu H, Xiang M, Qin Y, Cheng H, Chen D, Fu Q, Zhang KK, **Xie L**. Tbx5 inhibits hedgehog signaling in determination of digit identity. *Hum Mol Genet*. 2019 Aug 2. pii: ddz185. doi: 10.1093/hmg/ddz185. PMID: 31373354
44. Khan N, Haughey NJ, Nath A, **Geiger JD**. Involvement of organelles and inter-organelle signaling in the pathogenesis of HIV-1 associated neurocognitive disorder and Alzheimer's disease. *Brain Res*. 2019 Nov 1;1722:146389. doi: 10.1016/j.brainres.2019.146389. Epub 2019 Aug 16. Review. PMID: 31425679
45. Lin P, Pu Q, Wu Q, Zhou C, Wang B, Schettler J, Wang Z, Qin S, Gao P, Li R, Li G, Cheng Z, Lan L, Jiang J, **Wu M**. High-throughput screen reveals sRNAs regulating crRNA biogenesis by targeting CRISPR leader to repress Rho termination. *Nat Commun*. 2019 Aug 19;10(1):3728. doi: 10.1038/s41467-019-11695-8. PMID: 31427601
46. Wu Q, Wang B, Zhou C, Lin P, Qin S, Gao P, Wang Z, Xia Z, **Wu M**. Bacterial Type I CRISPR-Cas systems influence inflammasome activation in mammalian host by promoting autophagy. *Immunology*. 2019 Nov;158(3):240-251. doi: 10.1111/imm.13108. Epub 2019 Sep 17. PMID: 31429483
47. Khan N, Lakpa KL, Halcrow PW, Afghah Z, Miller NM, **Geiger JD**, **Chen X**. BK channels regulate extracellular Tat-mediated HIV-1 LTR transactivation. *Sci Rep*. 2019 Aug 22;9(1):12285. doi: 10.1038/s41598-019-48777-y. PMID: 31439883
48. Martin GG, Seeger DR, McIntosh AL, Milligan S, Chung S, Landrock D, Dangott LJ, **Golovko MY**, **Murphy EJ**, Kier AB, Schroeder F. Sterol Carrier Protein-2/Sterol Carrier Protein-x/Fatty Acid Binding Protein-1 Ablation Impacts Response of Brain Endocannabinoid to High-Fat Diet. *Lipids*. 2019 Oct;54(10):583-601. doi: 10.1002/lipd.12192. Epub 2019 Sep 5. PMID: 31487051
49. Xiao F, Jin B, Golovko SA, **Golovko MY**, Xing B. Sorption and Desorption Mechanisms of Cationic and Zwitterionic Per- and Polyfluoroalkyl Substances in Natural Soils: Thermodynamics and Hysteresis. *Environ Sci Technol*. 2019 Oct 15;53(20):11818-11827. doi: 10.1021/acs.est.9b05379. Epub 2019 Sep 25. PMID: 31553179

50. Figueroa-Romero C, Guo K, Murdock BJ, Paez-Colasante X, Bassis CM, Mikhail KA, Raue KD, Evans MC, Taubman GF, McDermott AJ, O'Brien PD, Savelieff MG, **Hur J**, Feldman EL. Temporal evolution of the microbiome, immune system and epigenome with disease progression in ALS mice. *Dis Model Mech*. 2019 Nov 15;13(2). pii: dmm041947. doi: 10.1242/dmm.041947. PMID: 31597644
51. Pu Q, Lin P, Wang Z, Gao P, Qin S, Cui L, **Wu M**. Interaction among inflammasome, autophagy and non-coding RNAs: new horizons for drug. *Precis Clin Med*. 2019 Sep;2(3):166-182. doi: 10.1093/pcmedi/pbz019. Epub 2019 Oct 1. Review. PMID: 31598387
52. Wang Q, More SK, **Vomhof-DeKrey EE**, **Golovko MY**, **Basson MD**. Small molecule FAK activator promotes human intestinal epithelial monolayer wound closure and mouse ulcer healing. *Sci Rep*. 2019 Oct 11;9(1):14669. doi: 10.1038/s41598-019-51183-z. PMID:31604999
53. Royce GH, **Brown-Borg HM**, Deepa SS. The potential role of necroptosis in inflammaging and aging. *Geroscience*. 2019 Dec;41(6):795-811. doi: 10.1007/s11357-019-00131-w. Epub 2019 Nov 13.
54. Tan S, Wu X, Xing Y, Lilak S, **Wu M**, Zhao JX. Enhanced synergetic antibacterial activity by a reduce graphene oxide/Ag nanocomposite through the photothermal effect. *Colloids Surf B Biointerfaces*. 2020 Jan 1;185:110616. doi: 10.1016/j.colsurfb.2019.110616. Epub 2019 Nov 5.
55. Tiftikci M, Özgür A, He Y, **Hur J**. Machine learning-based identification and rule-based normalization of adverse drug reactions in drug labels. *BMC Bioinformatics*. 2019 Dec 23;20(Suppl 21):707. doi: 10.1186/s12859-019-3195-5.
56. **Hur J**, Tao C, He Y. A 2018 workshop: vaccine and drug ontology studies (VDOS 2018). *BMC Bioinformatics*. 2019 Dec 23;20(Suppl 21):705. doi: 10.1186/s12859-019-3191-9.

FAMILY & COMMUNITY MEDICINE

Total Publications: 13

1. **Bryan S. Delage MD, Kamille Sherman MD, Eric Johnson MD**, Gwen Halaas MD; Getting the Pre-Doc Back Into Documentation: Students as Scribe During their Clerkship"; *Family Medicine* – accepted for publication 12/2019
2. Vogel MT, Abu-Rish Blakeney E, Willgerodt MA, Odegard PS, **Johnson EL**, Shrader S, Liner D, Dyer CA, Hall LW, Zierler B. Interprofessional education and practice guide: interprofessional team writing to promote dissemination of interprofessional education scholarship and products. *J Interprof Care*. 33(5): 406-413. Doi: 10.1080/13561820.2018.153811. Sep-Oct 2019
3. **Johnson EL**. Textbook chapter Mitochondrial Dysfunction in Diabetes. *Handbook of Mitochondrial Dysfunction*. ISB 13:978-1-138-33608-7. <https://www.routledge.com/Handbook-of-Mitochondrial-Dysfunction-1st-Edition/Ahmad/p/book/9781138336087>. Ahmad Shamin, editor, Taylor Francis. May 2019
4. **Redvers N**. The Crossroads of the Planetary Health Paradigm: An Indigenous Perspective, *The Vital Link*, 26:3. 2019

5. **Redvers, N.**, Marianayagam, J., Blondin B. Improving access to Indigenous medicine for patients in hospital-based settings: a challenge for health systems in northern Canada, *International Journal of Circumpolar Health*, 78:1, DOI: 10.1080/22423982.2019.1577093. 2019
6. **Redvers, N.R.** The Science of the Sacred-Bridging Global Indigenous Medicine Systems and Modern Scientific Principles. Berkley, California: North Atlantic Books. March 26, 2019
7. Patterson DG, **Schmitz D**, Longenecker RL. "Family Medicine Rural Training Track Residencies: Risks and Resilience" *Family Medicine* 2019; 51(8):649-656. 2019.
8. Sundberg M, Leader Charge D, Owen M, Subrahmanian K, Tobey M, **Warne DK**, Developing Graduate Medical Education Partnerships in American Indian/Alaska Native Communities, *Journal of Graduate Medical Education*, December 2019
9. Kruger H, Zumwalt C, Guenther R, **Warne D**, Dyke C, Disparities in Secondary Prevention of Atherosclerotic Heart Disease After Coronary Artery Bypass Grafting in Northern Plains American Indians, *Health Equity*, October 2019
10. Frerichs L, Bell R, Hassmiller Lich K, Reuland D, **Warne DK**, Regional differences in health insurance among American Indians and Alaska Natives after the Affordable Care Act, *Health Affairs*, September 2019
11. Frerichs L, Bell R, Hassmiller Lich K, Reuland D, **Warne DK**, Health insurance coverage among American Indians and Alaska Natives in the context of the Affordable Care Act, *Ethnicity and Health*, June 2019
12. **Warne DK, Wescott S**, Social Determinants of American Indian Nutritional Health, *Current Developments in Nutrition*, May 2019
13. Morenz AM, **Wescott S**, Mostaghimi A, Sequist TD, Tobey M. Evaluation of Barriers to Telehealth Programs and Dermatological Care for American Indian Individuals in Rural Communities. *JAMA Dermatology*. 155(8):899-905. 2019

GERIATRICS

Total Publications: 12

Ram Mathur, PhD

1. [Mechanistic Insight into the Development of TNBS-Mediated Intestinal Fibrosis and Evaluating the Inhibitory Effects of Rapamycin.](#)
Mathur R, Alam MM, Zhao XF, Huang Y, Zhu X.
J Vis Exp. 2019 Sep 12;(151). doi: 10.3791/60067. PMID: 31566603
2. [Targeting Microglia Using Cx3cr1-Cre Lines: Revisiting the Specificity.](#)
Zhao XF, Alam MM, Liao Y, Huang T, Mathur R, Zhu X, Huang Y.
J Neurosci. 2019 Jul 10;39(28):8999-9009. pii: ENEURO.0114-19.2019. doi: 10.1523/ENEURO.0114-19.2019. Print 2019 Jul/Aug. PMID:31201215

3. [Induction of autophagy in Cx3cr1+ mononuclear cells limits IL-23/IL-22 axis-mediated intestinal fibrosis.](#)
Mathur R, Alam MM, Zhao XF, Liao Y, Shen J, Morgan S, Huang T, Lee H, Lee E, Huang Y, Zhu X. Mucosal Immunol. 2019 May;12(3):612-623. doi: 10.1038/s41385-019-0146-4. Epub 2019 Feb 14.

Gunjan Manocha, PhD

1. [Temporal progression of Alzheimer's disease in brains and intestines of transgenic mice.](#)
Manocha GD, Floden AM, Miller NM, Smith AJ, Nagamoto-Combs K, Saito T, Saido TC, Combs CK. Neurobiol Aging. 2019 Sep;81:166-176. doi: 10.1016/j.neurobiolaging.2019.05.025. Epub 2019 Jun 13. PMID:31284126
2. [Ablation of amyloid precursor protein increases insulin-degrading enzyme levels and activity in brain and peripheral tissues.](#)
Kulas JA, Franklin WF, Smith NA, Manocha GD, Puig KL, Nagamoto-Combs K, Hendrix RD, Tagliabatella G, Barger SW, Combs CK. Am J Physiol Endocrinol Metab. 2019 Jan 1;316(1):E106-E120. doi: 10.1152/ajpendo.00279.2018. Epub 2018 Nov 13. Erratum in: [Am J Physiol Endocrinol Metab. 2019 Feb 1;316\(2\):E345.](#) PMID:30422705
3. Multifactorial Attenuation of the Murine Heat Shock Response With Age. **Jurivich DA, Manocha GD**, Trivedi R, Lizakowski M, Rakoczy S, Brown-Borg H. J Gerontol A Biol Sci Med Sci. 2019 Oct 14. pii: glz204. doi: 10.1093/gerona/glz204. [Epub ahead of print] PMID:31612204
4. Opinion: Is Twitter a New Way to Learn? **Jurivich DA, Manocha GD**. J Invest Surg. 2019 Oct 6:1-2. doi: 10.1080/08941939.2019.1659887. [Epub ahead of print] No abstract available. PMID:31588

Poster:

5. Rachana Trivedi, **Donald Jurivich, Gunjan Manocha**, Mary Lizakowski, Rakoczy Sharlene, Holly Brown-Borg, Multi-factorial attenuation of the murine heat shock response with age, Poster presentation, Frank Low Research Day (2019), UND, Grand Forks.
6. Comparison of salivary A β levels and oral microbiome in two different mouse models of AD
A.M. Floden, M. Sohrabi, S. Nookala, **G. D. Manocha**, C. K. Combs; Poster Presentation, Society for Neuroscience (SFN) Annual Meeting (2019) Chicago.

Donald Jurivich, DO

1. [Weakness May Have a Causal Association With Early Mortality in Older Americans: A Matched Cohort Analysis.](#) McGrath R, Vincent BM, Peterson MD, Jurivich DA, Dahl LJ, Hackney KJ, Clark BC. J Am Med Dir Assoc. 2019 Nov 27. pii: S1525-8610(19)30756-X. doi: 10.1016/j.jamda.2019.10.016. [Epub ahead of print] PMID:31786197

2. [Multifactorial Attenuation of the Murine Heat Shock Response With Age](#). Jurivich DA, Manocha GD, Trivedi R, Lizakowski M, Rakoczy S, Brown-Borg H. J Gerontol A Biol Sci Med Sci. 2019 Oct 14. pii: glz204. doi: 10.1093/gerona/glz204. [Epub ahead of print] PMID:31612204
3. [Opinion: Is Twitter a New Way to Learn?](#) Jurivich DA, Manocha GD. J Invest Surg. 2019 Oct 6:1-2. doi: 10.1080/08941939.2019.1659887. [Epub ahead of print] No abstract available. PMID:31588

HEALTH SCIENCES

Total Publications: 96

Includes former faculty authors who list UND Biomedical Sciences in their author information for that publication.

PHYSICIAN ASSISTANT STUDIES

Total Scholarly Works: 17

1. "Treatment Options for Post Treatment Lyme Disease Syndrome" - poster presentation NDAPA Spring Primary care conference; May 2nd, 2019 Barbara Bowman, PA-S & Russ Kauffman, PA-C contributing author
2. "Pelvic Examinations for Ovarian Cancer Screening in Asymptomatic Adult Women" - poster presentation NDAPA Spring Primary care conference; May 2nd, 2019 Riann Collar, PA-S & Russ Kauffman, PA-C contributing author
3. "Comparison of Pharmacologic Treatments for Postmenopausal Osteoporosis" poster presentation NDAPA Spring Primary Care Conference; May 2nd, 2019; Kaitlyn Wirtz, PA-S & Jeanie McHugo, PhD, PA-C
4. "The Use of Dehydroepiandrosterone in the Treatment of Depression" poster presentation NDAPA Spring Primary Care Conference; May 2nd, 2019; Seth Tramm, PA-S & Jeanie McHugo, PhD, PA-C
5. "Teaching Students in the Clinical Setting: Sharing Strategies of Success", oral presentation for regional health care system, Aug 2019; Jeanie McHugo, PhD, PA-C
6. "Dynamic Workplace Culture", local oral presentation, July 2019; Jeanie McHugo, PhD, PA-C
7. "EKG Review", Sanford-Fargo APP Winter Conference, 2019; Jay Metzger, MPAS, PA-C
8. "EKG Pitfalls", Topics in EMS Winter Conference, Fergus Falls, MN, 2019; Jay Metzger, MPAS, PA-C

9. *"Hypertension Update"*, North Dakota Academy of Physician Assistants Annual Spring Primary Care Conference, 2019; Jay Metzger, MPAS, PA-C
10. *"Weight Loss Medications"*. North Dakota Academy of Physician Assistants Annual Spring Primary Care Conference, 2019; Jay Metzger, MPAS, PA-C
11. *"EKG Review"*, North Dakota Academy of Physician Assistants Annual Fall Primary Care Conference, 2019; Jay Metzger, MPAS, PA-C
12. "Benefits of 3D Breast Tomosynthesis Combined with 2D Digital Mammography in Screening Women for Breast Cancer" - poster presentation NDAPA Spring Primary care conference; May 2nd, 2019 Danielle Swanson, PA-S & Jay Metzger, PA-C contributing author
13. *Platelets to the Rescue"* - poster presentation NDAPA Spring Primary care conference; May 2nd, 2019 Timothy Simonich, PA-S & Daryl Sieg, PA-C contributing author
14. *"From Lecture to Learning"* – oral presentation UND SMHS Evidenced Based Teaching; May 7, 2019 Daryl Sieg MSPAed PA-C
15. *"Low Back Pain and Degenerative Spondylolisthesis: An evidence based approach"* invited lecture for the UND SMHS Continuing Education Symposium October 4, 2019; Daryl Sieg MSPAed PA-C
16. "Comparing Rates of Macrosomia and Neonatal Hypoglycemia of Differing Treatment Modalities of Gestational Diabetes Mellitus" - poster presentation NDAPA Spring Primary care conference; May 2nd, 2019 Ashleigh Milbrath, PA-S & Julie Solberg, PA-C contributing author
17. "Can Early Intervention with Group Therapy or Individual Therapy Improve the Family Dynamic in PTSD Patients?" - poster presentation NDAPA Spring Primary care conference; May 2nd, 2019 Killian Norton, PA-S & Mindy Staveteig, PA-C contributing author

OCCUPATIONAL THERAPY

Total Scholarly Works: 44

Invited Extramural Lectures & Presentations

1. **Graves, C.** *Conversation that Matter, Fieldwork Education*, panel discussion, **invited panel member**, Minnesota Occupational Therapy Association Annual Conference, St. Paul, MN, 2019.
2. **Nielsen, S.** (2019/2020). Building capacity of school personnel to address the mental health needs of children and youth: 5 part-webinar series facilitating eight communities of practice in ND, SD, and MT. September 2019-January 2020. Mountain Plains Mental Health Technology Transfer Center.

Refereed Presentations

3. **Graves, C., Grabanski, J., Carrlson, R., Hulteng, J., Young, A.** (2019). *Implementing concept-based teaching into a multi-concept occupational therapy intervention course*. Poster Session, American Occupational Therapy Association Education Summit, October 25, Las Vegas, NV.
4. **Hanson, D.J., Jedlicka, J.S., Harris, N. & Klug, M.** (2019). *OT Practice Patterns in Rural States: Does the College Experience Influence Rural Employment Choice?* American Occupational Therapy Association Annual Conference, New Orleans, LA.
5. **Harris, N., Meyer, M., Dornier, K., Janssen, S., & Nielsen, S.** (2019). Occupational performance and neuroscience: A novel interprofessional team approach to concept-based occupation-centered teaching. Poster Session. AOTA Education Summit, October 19, 2019, Las Vegas, NV.
6. **Haskins, A.H. & Jedlicka, J.** (2019, January 23). *Occupational therapy's role in psychosocial pain management interventions*. Project ECHO® one-hour Presentation to national audience (invited). UND College of Nursing & Professional Disciplines and ND Center for Rural Health. Grand Forks, ND, USA. (1-hour)
7. **Janssen, S., Van Eck, R., Hanson, D., Allen, J., Johnson, E., Relling, D., Burns, C., & Thorp, C.** (2019, October 18). Interprofessional Healthcare Simulation with Telehealth. Sole presenter & lead author for Continuing Education Platform presentation with Audience Planning Worksheet for Reflection at Education Summit 2019 in Las Vegas, NV. American Occupational Therapy Association. (.5 contact hours). Peer-reviewed
8. **Jedlicka, J.S., Bass, G.I. & Olson, D.** (2019). *Teaching Students an Appreciation for the History of OT Practice through Qualitative Research*". American Occupational Therapy Association Annual Conference, New Orleans, LA.
9. **Lamborn, B. C. (October 15, 2019). Advising Low-Income Community College Students in the Era of Performance-Based Funding. Community College Research Session. Northern Rocky Mountain Educational Research Association Annual Conference, Denver, CO.**
10. **Lamborn, B. C.** (September 18, 2019). *Advising for Success in the Era of Performance Based Funding: Adviser Knowledge and Behaviors Regarding Low-Income Students in the Community College Setting*. Center for Teaching Excellence, Casper College, Casper, WY.
11. **Larson, S., Hemberger, K., Nielsen, S., & Klug, M.** (2019). Factors influencing comfort of OT practitioners in addressing puberty in adolescents with autism spectrum disorders. Poster Session. April 4, 2019, AOTA Annual Conference and Expo, New Orleans, LA.
12. **Magee, J., Hanson, S., & Nielsen, S.** (2019). Factors influencing the recruitment and retention of OT practitioners in rural practice. Poster Session. April 6, 2019, AOTA Annual Conference and Expo, New Orleans, LA.
13. **Nielsen, S., Bazyk S., Brown, T., & Heitkamp, T.** (2019). Building capacity of rural school personnel to address mental health needs of students through communities of practice. Short Course. National School Mental Health Conference, November 7, 2019, Austin, TX.

14. **Nielsen, S.**, Brown, T., & Heitkamp, T. (2019). Building capacity of school personnel to address the mental health needs of children and youth. Presentation on behalf of the Mountain Plains Mental Health Technology Transfer Center. North Dakota Special Education Summer Conference, August 1, 2019, Bismarck, ND.
15. Relling, D., **Janssen, S.**, Van Eck, R. N., Allen, J., Johnson, E., **Hanson, D.**, & Burns, C. (2019; October 18). Fostering interprofessional communication through a telehealth care conference. Co-author for Poster Presentation at the Educational Leadership Conference, Academy of Physical Therapy Education. Bellevue. Washington. USA. Education Innovator Award for Outstanding Poster Presentation. Peer-reviewed
16. Roehrich, H. & **Grabanski, J.** (2019, September). *Faculty role in conflict management: Sustaining student success in the classroom*. Presentation at Marketing Management Association Educators' Fall Conference, Sante Fe, NM.
17. Van Eck, R., Allen, J., Johnson, E., Hanson, D., Relling, D., Janssen, S., Burns, C., & Thorp, C. (2019, September, 18). ROBOTS: Building Interprofessional Telehealth simulations Using remotely operated Biomedical telepresence Systems. Co-author for Transformation Workshop session (50-minute) at the ChangeMedEd conference. American Medical Association. Chicago. Illinois. USA. (1 contact hour) Peer-reviewed

Non-Refereed Presentations

18. Albrigtson, S., Clement, J., & **Grabanski, J.** (2019). *The Experiences of Occupational Therapists Working in Oncology Care and the Implications of the Referral Process*. Frank N. Low Research Day, Poster, School of Medicine and Health Sciences, Grand Forks, ND, April 25, 2019.
19. Bachmeier, E., Busch, L., & **Grabanski, J.** (2019). *A Group Protocol for Promoting Wellness in Rural Community-Dwelling Older Adults*. Altru Hospital Continuing Education Event, Grand Forks, ND, October, 2019.
20. Bachmeier, E., Busch, L., & **Grabanski, J.** (2019). *A Group Protocol for Promoting Wellness in Rural Community-Dwelling Older Adults*. Frank N. Low Research Day, Poster, School of medicine and Health Sciences, Grand Forks, ND, April 25, 2019.
21. Cambronne, A., Karpen, M., **Lamborn, B.**, & Young, A. (2019, May). *Occupational therapy with an adventurous twist*. Poster session presented at the University of North Dakota Wyoming Site Graduate Research Day, Casper, WY, USA.
22. Carlson, S., Schwartz, S., & **Nielsen, S.** (2019). Engaging caregivers in family centered Pediatric occupational therapy. Frank N. Low Research Day, Poster, School of Medicine and Health Sciences, Grand Forks, ND, April 25, 2019.
23. Chin, N., Brown, T., & **Nielsen, S.** (2019) Navigating cultural differences between fieldwork educators and students. Frank N. Low Research Day, Poster, School of Medicine and Health Sciences, Grand Forks, ND, April 25, 2019.
24. Dornbier, K., Fritzler, R., **Lamborn, B.** & Sigmond, S. (2019, May). *Toda la familia: An occupational therapy resource guide for working with Latino children diagnosed with ASD and their families*.

Poster session presented at the University of North Dakota Wyoming Site Graduate Research Day, Casper, WY, USA.

25. Fiser, H. & **Haskins, A.M.** (2019, April). *Occupational therapists' knowledge and perception of the value of environmental adaptations for residents with neurocognitive disorders*. Poster session presented at the University of North Dakota Occupational Therapy Poster Day, Casper, WY, USA.
26. Fruit, B., Williams, H., & Graves, C. (2019). From here to there: An occupational screening tool for transitioning soldiers. Poster Session, University of North Dakota, Casper College Open House, Casper, WY.
27. Funke, M., Nieland, K., & **Grabanski, J.** (2019). *Secondary TIA Outpatient Prevention (STOP) Program: Addressing Individuals of Lower Socioeconomic Status*. Altru Hospital Continuing Education Event, Grand Forks, ND, October, 2019.
28. Funke, M., Nieland, K., & **Grabanski, J.** (2019). *Secondary TIA Outpatient Prevention (STOP) Program: Addressing Individuals of Lower Socioeconomic Status*. Frank N. Low Research Day, Poster, School of Medicine and Health Sciences, Grand Forks, ND, April 25, 2019.
29. **Graves, C., & Grabanski, J.** (2019). *University of North Dakota transition to the occupational therapy doctorate (OTD)*. Presentation, Professional Rehabilitation Consultants, August, 19, 2019, St. Paul, MN.
30. **Graves, C., & Grabanski, J.** (2019). *University of North Dakota transition to the occupational therapy doctorate (OTD)*. Presentation, Riverview Healthcare System, May, 20, 2019, Crookston, MN.
31. **Graves, C., & Grabanski, J.** (2019). *University of North Dakota transition to the occupational therapy doctorate (OTD)*. Presentation, UND School of Medicine & Health Sciences, April 26, 2019, Grand Forks, ND.
32. **Graves, C., Hanson, D., Young, A.** (2019). Contemporary OT evaluation, level I fieldwork: Focus on assessment (Webinar presentation). Occupational Therapy Department, School of Medicine & Health Sciences, University of North Dakota.
33. Groth, M., Scoby, M. & **Jedlicka, J.S.** (2019). *Access to occupational therapy practice: A review of current licensing processes in the United States*. UND at Casper College Research Day, Casper Wyoming.
34. Groth, M., Scoby, M. & **Jedlicka, J.S.** (2019). *Access to occupational therapy practice: A review of current licensing processes in the United States*. Altru Hospital Continuing Education Event, Grand Forks, ND, October, 2019.
35. **Lamborn, B. C.** (April 15, 2019). *Advising for Success in the Era of Performance Based Funding: Adviser Knowledge and Behaviors Regarding Low-Income Students in the Community College Setting*. UND OT Poster Session, Wyoming Satellite, Casper, WY.

36. **Nielsen, S.** (2019). Northern Plains Special Education Unit-Trauma sensitive schools training. Mountain Plains Mental Health Technology Transfer Center. Divide County Public Schools, August 19, 2019, Crosby, ND.
37. **Nielsen, S.** (2019). Divide County Elementary- Building capacity of school personnel to address mental health needs of children and youth strategic planning. Mountain Plains Mental Health Technology Transfer Center. Divide County Elementary School, August 20, 2019, Crosby, ND
38. **Nielsen, S.** (2019). Loy and Longfellow Elementary Schools- Social emotional learning. Training. Mountain Plains Mental Health Technology Transfer Center. August 26, 2019, Great Falls, MT.
39. **Nielsen, S.** (2019). North Elementary-Mental health literacy. Mountain Plains Mental Health Technology Transfer Center, September 30, Evanston, WY.
40. **Nielsen, S.** (2019). Uinta School District – Social emotional learning. Mountain Plains Mental Health Technology Transfer Center, September 30, Evanston, WY.
41. **Nielsen, S.** (2019). Uinta School District – Trauma sensitive schools. Mountain Plains Mental Health Technology Transfer Center, September 30, Evanston, WY.
42. **Nielsen, S. (2019).** Fremont County School District #6- Trauma sensitive schools. Mountain Plains Mental Health Technology Transfer Center, November 15, Pavillion, WY.
43. Nelson, J., Trieff & Jedlicka, J.S. (2019). *Enabling occupational competence through stress reduction for parents in the neonatal intensive care unit.* Frank Low Research Day, Grand Forks, ND.
44. Walter, R., Bresnahan, K., & Graves, C. (2019). *Implementing an occupational therapy student-run clinic at the University of North Dakota.* Poster Session, University of North Dakota School of Medicine and Health Sciences Frank Low Day, Grand Forks, ND.

PHYSICAL THERAPY

Total Scholarly Works: 28

Peer Reviewed Publications:

1. Chang C, **Jeno SH**, Varacallo M. Anatomy, Bony Pelvis and Lower Limb, Piriformis Muscle. StatPearls Publishing; 2019 June – Available from: <https://www.ncbi.nlm.nih.gov/books/NBK519497/>
2. **Jeno SH, Schindler GS.** Anatomy, Upper Extremity, Rotator Cuff, Supraspinatus. StatPearls Publishing; 2019 Jan- Available from: <https://www.ncbi.nlm.nih.gov/books/NBK537202/>
3. **Mabey R, Mohr P**, Ingram D, **Mohr T**, Swisher L. Assessment of Physical Therapist Student Use of Social Media and Their Perceptions of Professional Behaviors Regarding Social Media Postings. Journal of Physical Therapy Education. Journal of Physical Therapy Education. Vol 33 (3):249-256, 2019

Peer Reviewed Platform Presentations:

1. McCallum C, **Flom-Meland CK**, Rindflesch AB, Prescher KL, Cohoon C, Scardillo JM, Reynolds E, Gusman LN. Presentation – *The Clinical Placement Process Taskforce: an Update About Our Crucial Conversations*. Educational Leadership Conference, Bellevue, WA, October 20, 2019.
2. Kluding PM, **Flom-Meland CK**, Scholtes SA, Haladay DE, Dale RB, and Vitente AC. Presentation – *ELI Leadership Projects: TED-Like Talks from Emerging Faculty Leaders*. Educational Leadership Conference, Bellevue, WA, October 19, 2019.
3. **M. Elhamadany**; Y. Salem. Effect Of Low Intensity Laser Therapy In Reducing Knee Painful Limitation And Gait Deviations In Children With Juvenile Idiopathic Arthritis: A Randomized Controlled Trial. American Physical Therapy Association Combined Sections Meeting Washington D.C. 2019.
4. **Jeno S**, Ropp S. *Excellence in the Workplace starts with You and Communication Is a Key* (1.5 hour presentation). Educational Leadership Conference, Bellevue, WA, October 2019
5. Altekruise G, Coco M, Eppenstein P, Hull B, Huntsman S, **Jeno S**, Ropp S. *Tough Lessons We Learned the Hard Way: A LAMP: Management Faculty Discussion* (2 hour presentation) American Physical Therapy Association Combined Sections Meeting, Washington D.C., January 2019
6. **Jeno S***, **Henneman E***. Oral Platform Presentation: *The Amazing World of Budgeting and Personal Financial Literacy, a Student Journey to Discovery*. 2019 APTA Educational Leadership Conference. Bellevue, WA. October 19, 2019.
7. Janssen S.* , Van Eck R., Hanson D. ,Allen J., Johnson, E.L., **Relling D.**, Burns, C., & Thorp, C. *Interprofessional Healthcare Education Simulation with Telehealth*. Presentation at Education Summit 2019. American Occupational Therapy Association Education Summit. Las Vegas NV October 18-19, 2019.
8. Van Eck, R., Allen, J., Johnson, E., Hanson, D., **Relling, D.**, Burns, C., Janssen, S., & Thorpe, C (2019). ROBOTS: Building Interprofessional Telehealth simulations Using remotely operated Biomedical telepresence Systems. Transformation workshop at the American Medical Association's ChangeMedEd, Chicago, IL, September 19, 2019.
9. Johnson, E. L., Van Eck, R., Allen, J., Hanson, D., **Relling, D.**, Burns, C., and Janssen, S. (2019). Interprofessional Telehealth Simulations Using Remotely Operated Biomedical Telepresence Systems (ROBOTS) for Diabetes Education. Poster presentation at the American Association of Diabetes Educators (AADE19), August 9–12, 2019, Houston, TX.

Peer Reviewed Poster Presentations:

1. **Mabey R**, Wilson R, Nelson A, **Flom-Meland CK**. Poster Presentation – *Pros and Cons of Preadmission Clinical Contact Hours: Clinicians' Perspectives*. APTA NEXT Conference, Chicago, IL, June 2019.
2. **Mabey R**, Nelson A, Wilson R, **Flom-Meland CK**. Poster Presentation – *Pros and Cons of Pre-*

Admission Clinical Contact Hours: Faculty Members' Perspectives. APTA NEXT Conference, Chicago, IL, June 2019.

3. **Mohr P, Halcrow S, Decker S, Morgan R, Mohr T, Danks M, Schindler G, Relling D.** Transition of Physical Therapy Musculoskeletal Examination Skills and Clinical Pathology Courses to Team-based Learning (TBL). Poster Presentation. Team-Based Learning Collaborative Annual Conference. Tampa, FL, March 14-16, 2019.
4. **Danks M, Decker S, LaBrecque M, Mabey R.** The Effectiveness of the “Stepping On” Program for Reducing Falls in the Elderly – Part II. Poster Presentation. APTA Combined Sections Meeting, Washington, DC, January 24, 2019.
5. **Danks M, Thomanschefsky (Johnson) K, Bucholz H, Hoffman R, Mabey R.** Establishing Normative Data for the Four-Square Step Test. Poster Presentation. APTA Combined Sections Meeting, Washington, DC, January 24, 2019.
6. **Danks M, Thomanschefsky (Johnson) K, Bucholz H, Hoffman R, Mabey R.** A Novel Dual Task Version of the Four Square Step Test. Poster Presentation. APTA Combined Sections Meeting, Washington, DC, January 24, 2019.
7. **M. Elhamadany; Y. Salem.** Effect Of Low-Intensity Laser Therapy On Facial Nerve Regeneration In Children With Peripheral Facial Palsy: A Randomized Controlled Trial. APTA Combined Sections Meeting, Washington, DC, January 24, 2019.
8. **G Schindler, J O’Keefe, C Murphy, T Linner, R Cook, D Gamel, A Sandry.** Gluteus Medius Electromyography During Barefoot and Shod Walking and Running. APTA Combined Sections Meeting Poster Presentation – January 23-26, 2019, Washington, DC
9. **Mabey R, Mohr P, Ingram D, Mohr T, Swisher L.** Assessment of Physical Therapy Student Use of Social Media & Perceptions of Professional Behaviors regarding Social Media Posts. Poster Presentation at the APTA Educational Leadership Conference. Seattle, WA, October 18, 2019.
10. **Mohr P, Mabey R, Young J, Miro R, Ingram D, Mohr T.** Student Physical Therapist Use of Digital Textbooks and Electronic Media. Poster Presentation at the International Association of Medical Science Education Annual Meeting. Roanoke, VA, June 8-11, 2019.
11. **Halcrow S, Mohr P, Mohr T, Morgan R, Decker S.** *Team Based Learning With Peer-to-Peer Learning Strategies to Promote Acquisition and Performance of Physical Therapy Musculoskeletal Examination Skills.* Poster Presentation at the Team Based Learning Collaborative Meeting, Tampa, FL, March 14-16, 2019.
12. **Mohr P, Halcrow S, Decker S, Morgan R, Mohr T, Danks M, Relling D, Schindler G.** *Teaching Psychomotor Musculoskeletal Examination Skills and Application of Clinical Pathology with Team-Based Learning (TBL) and Peer Review Activities.* Poster Presentation at the Team Based Learning Collaborative Meeting, Tampa, FL, March 14-16, 2019.

13. **Relling D.P.***, Janssen S., Van Eck R., Allen J., Johnson E., Hanson D., & Burns C. *Fostering Interprofessional Communication through a Telehealth Care Conference*. Poster Presentation. APTA Educational Leadership Conference. Bellevue WA October 18-20, 2019. Awarded "Education Innovator Award" for Outstanding Poster Presentation.

Non-Peer Reviewed Presentations:

1. **Danks M**, Forsch S, Haugland R. Effects of Pole Walking on Older Adults Following Six Weeks of Training. Poster Presentation. Frank Low Research Day, UNDSMHS, GF, ND, April 25, 2019.
2. Danks M. Stepping On Fall Prevention, Guest Expert Speaker for Exercise and Mobility, 3 two hour sessions, Choice Fitness Center, Grand Forks, ND, Spring and Fall 2019.
3. **Schindler G**. Achieve Physical Therapy: Hip and Knee Pain Workshop: June 6, 2019

MEDICAL LABORATORY SCIENCE

Total Scholarly Works: 7

Publications:

1. Lunak Z. Histotechnology: Hello from the other side of the laboratory. ASCLS Today August 2019.
2. Lunak Z. Common Laboratory Techniques Utilized to Diagnose Lymphoma. Lab Education from North Dakota (LEND) 2019.
3. Solberg BS. Disorders of primary hemostasis. In: McKenzie S, Landis-Piwowar K, Williams L, editors. Clinical laboratory hematology. 4th ed. Hoboken, NJ: Pearson; 2020. p. 767-97.
4. Solberg BS. Disorders of secondary hemostasis. In: McKenzie S, Landis-Piwowar K, Williams L, editors. Clinical laboratory hematology. 4th ed. Hoboken, NJ: Pearson; 2020. p. 798-825.

Presentations:

1. Jongeward SJ. Talkin' 'bout my generation: Hiring and Retaining the Next Generation of Laboratory Professionals. American Society for Clinical Laboratory Science Region V Fall Symposium, Fargo, ND. September 2019.
2. Solberg BS. More than a result: How the laboratory is adding value to healthcare. American Society for Clinical Laboratory Science Region V Fall Symposium, Fargo, ND. September 26, 2019.
3. Solberg BS. The value of our values: How current & future value-based initiatives have the power to transform the laboratory profession. American Society for Clinical Laboratory Science National Live Webinar Series. December 5, 2019.

4. Coleman M. Looking for zebras and horses: hematology disorders. American Society for Clinical Laboratory Science - North Dakota State Meeting, Minot, ND. April 15, 2019.
5. Lunak Z. Gut instincts: insights into immune regulation within the GI track. American Society for Clinical Laboratory Science - North Dakota State Meeting, Minot, ND. April 15, 2019.

Publications:

Bohn, Z., LeClerc, J. & **Haskins, A.M.** (2019, July). The experiences of six male occupational therapy practitioners at varying career stages— A phenomenological study. *International Annals of Occupational Therapy*. (resubmitted with revisions December 2018)

Heitkamp, T., **Nielsen, S.**, & Schroeder, S. (2019). *Promoting positive mental health in rural schools*. Mountain Plains Mental Health Technology Transfer Center and Substance Abuse and Mental Health Services Administration.

Hunter, J.E., Syversen, K., **Graves, C.**, & Bodensteiner, A. Spontaneous teaching: Adult perspectives of educational practice and children's play in outdoor environments. *International Journal of Early Childhood Environmental Education*. (REVISE AND RESUBMIT)

Hanson, D. J., Stutz-Tanenbaum, P., Rogers, O., Turner, T., **Graves, C.**, & Klug, M. G. (2019). Collaborative Fieldwork Supervision: A Process Model for Program Effectiveness. *American Journal of Educational Research*, 7(11), 837-844.

Janssen, S., L. (2019). Assessing residents' psychological well-being in long term care facilities. (**J. Grabanski**, Article Editor). *Statpearls* (Educational Platform Interfaced with PubMed and National Center for Biotechnical Information [NCBI] Books). Accepted for publication; link not yet available; non-blind peer review.

Janssen, S., Klug, M., Johnson Gusaas, S., Schmiesing, A., Nelson-Deering, D., Pratt, H., & **Lamborn, B.** (2019). Community based health promotion: Assess before you assess. Manuscript submitted to *Journal of Applied Gerontology* (in review). ID JAG-19-0312

Nielsen, S., Klug, M., & Fox, L. (2020). Impact of non-traditional level I fieldwork on critical thinking. *American Journal of Occupational Therapy*, 74(3)

Dissertations:

Lamborn, Breann, C. (2019). *Advising for Success in the Era of Performance-Based Funding: Adviser Knowledge and Behaviors Regarding Low-SES Students in the Community College Setting*. (Unpublished doctoral dissertation). University of Wyoming, Laramie, WY, USA.

Young, A. (2019). Financial management experiences of individuals with adventitious visual impairment (Doctoral capstone presentation). University of Utah.

INTERNAL MEDICINE

Total Publications: 18

Articles

1. **Bassett JT**, Rodriguez B, Mulligan L, Fontana RJ. Acute liver failure in a military recruit treated with valproic acid and harboring a previously unrecognized POLG-1 mutation. *Epilepsy Behav Rep*. 12:100342, 2019

2. Dvorak S, **Kurniali P**. BCNU (Bis-chloroethylnitrosourea, carmustine) toxicity presented as a large pleural effusion 60 days post autologous stem cell transplant for non-hodgkin lymphoma. *Cureus*. 11(2):e4052, 2019.
3. Dybsand LL, **Hall KJ, Carson P**. Immunization attitudes, opinions, and knowledge of the healthcare professional students at two Midwestern universities in the United States. *BMC Med Educ*. 19:242, 2019.
4. Johnk SR, Grindeland CJ, Leedahl DD, **Carson P**, Leedahl ND. Impact of a multicenter stewardship-targeted carbapenem justification requirement on the use of carbapenems in 23 hospitals. *J Am Coll Clin Pharm*. 2:53-57, 2019.
5. Johnson BM, **Paladugu G**. Superior mesenteric artery syndrome secondary to anorexia nervosa and methamphetamine use. *Cureus*. 11(11):e6121, 2019.
6. Kalamaha K, Reis E, Newton S, Roche C, Julson J, **Fernandes H, Rodrigues J**. Atopic dermatitis: a review of evolving targeted therapies. *Expert Rev Clin Immunol*. 15(3):275-288, 2019.
7. **Khan Suheb M**, Drofa A, Manchak M, **Durrani Q**, Kouznetsov E. Vertebral artery sacrifice: a novel strategy in the treatment of vertebral artery loop: treatment in vertebral artery sacrifice. *World Neurosurgery*. Oct 18:13539, 2019.
8. Le R, Larson C, **Fenstad E**, McCully R, Frantz R, McGoan M, Kane G. Thrombocytopenia independently predicts death in idiopathic PAH. *Heart Lung*. 48(1):34-38, 2019.
9. Leedahl D, Personett H, **Nagpal A**, Barreto E. Prevention of clostridium difficile infection in critically ill adults. *Pharmacotherapy*. 39(3):399-407, 2019.
10. **Mashaqi S**, Badr MS. The impact of obstructive sleep apnea and positive airway pressure therapy on metabolic peptides regulating appetite, food intake, energy homeostasis, and systemic inflammation: a literature review. *J Clin Sleep Med*. 15(7):1037-1050, 2019.
11. Mattocks K, Baldor R, Bean-Mayberry B, Cucciare M, Gerber M, Goldstein K, **Hammer KP**, Hill E, Kroll-Desrosiers A, Prochazka A, Sadler A, Bastian L. Factors impacting perceived access to early prenatal care among pregnant veterans enrolled in the Department of Veterans Affairs. *Womens Health Issues*. 29(1):56-63, 2019.
12. Olig E, Mountan S, Beal J, **Sahmoun A**. Race and length of time pursuing pregnancy among women who utilized medical help to get pregnant. *J Family Reprod Health*. 13(3):146-153, 2019.
13. Richards LJ, Hopkins NJ, Colwell NA, **Sahmoun AE**, Beal JR. The association between patient visit demographics and opioid analgesic received in the emergency department. *Cureus*. 11(9):e5678, 2019.
14. Richards LJ, Streifel A, **Rodrigues J**. Utility of patch testing and lymphocyte transformation testing in the evaluation of metal allergy in patients with orthopedic implants. *Cureus*. 11(9):e5761, 2019.

15. Storandt M, **Nagpal A**. Prosthetic joint infection: an extremely rare complication of intravesicular BCG therapy. *BMJ Case Reports CP*. 12(12):e232809, 2019.
16. Tong QJ, **Lo TS**. Professional certification system of infection prevention and control in the United States and its enlightenment to China. *China J Hosp Admin*. 35(9):790-793, 2019.
17. **Vegunta R**, Vegunta R, Kutti Sridharan G. Secondary aortoduodenal fistula presenting as gastrointestinal bleeding and fungemia. *Cureus*. 11(9):e5575, 2019.

Book Chapters

1. Misra M, **Phadke G**. Historical milestones in peritoneal dialysis. Pages 1-8. In: Ronco C, Crepaldi C, Rosner M (eds). *Remote Patient Management in Peritoneal Dialysis: Vol 197*. Kruger. Basel, Switzerland. 2019.

NEUROLOGY

Total Publications:

Lou, Jau-Shin. MD, PhD, MBA

- A. Peer-reviewed paper
 - Verma AK, Aarotale PN, Dehkordi P, **Lou JS**, Tavakolian K. Relationship between Ischemic Stroke and Pulse Rate Variability as a Surrogate of Heart Rate Variability. *Brain Sci*. 2019;9(7):162. Published 2019 Jul 10. doi:10.3390/brainsci9070162
- B. Invited lectures
 - National:
 1. Episodic ataxia. Presented at 2019 American Association of Neuromuscular and Electrodiagnostic Medicine in 10/2019
 2. Diabetic Neuropathies: Ask the Expert. Presented at 2019 American Association of Neuromuscular and Electrodiagnostic Medicine in 10/2019
 - Local (State and Institutional):
 1. Stroke Update. Presented at Sanford Neuroscience Symposium in 2/2019
 2. Nod- and paranodopathies. Presented at Neurology Grand Round in 12/2019
 3. What is it? Hint: Not a psychogenic Disorder. Presented at Neurology Grand round
 4. The many faces of diabetic neuropathy. Presented at Internal Medicine Grand Round.
 5. Approaching patients with Neuromuscular Diseases. Presented at Psychiatry teaching conference

Breker, Dane. MD

Invited lectures (Local)

1. Neurological Presentation of brain tumor. Presented at Sanford Neuroscience Symposium in 2/2019.
2. Evaluation of dizziness at ED. Presented at Emergency medicine Grand round
3. Traumatic brain injury. Presented at Neurology Grand Round
4. Evaluation of dizziness at ED. Presented at Neurology Grand Round
5. Concussion. Presented at Neurology Grand round
6. Visual Disturbance. Presented at Psychiatry teaching conference

Caillier, Rebecca. MD.

Invited lectures (Local)

Dementia. Presented at Psychiatry teaching conference

Diamond, Amanda. MD

Invited lectures (Local)

1. Epilepsy. Presented at Psychiatry teaching conference
2. Predicting outcome after cardiac arrest. Presented at Neurology Grand round
3. Seizures, Part 2. Presented at Internal medicine teaching Conference

Eickman, Kara. MD

Invited Lectures

Motor Neuron Diseases. Presented at Internal medicine teaching conference.

Gupta, Raj. MD

Invited lectures (Local)

1. Autoimmune Encephalitis. Presented at Sanford Neuroscience Symposium in 2/2019.
2. Burning Mouth Syndrome. Presented at Neurology Grand Round

Harlow, Tanya. MD

Invited lectures (Local)

1. Dementia in Parkinsonian syndromes. Presented at Sanford Neuroscience Symposium in 2/2019.
2. Progressive weakness in an adolescent. Presented at Neurology Grand round.
3. Secret to improving the care of patients with Parkinson's Disease. Presented at Neurology Grand round.
4. Central Nervous system disorders. Presented at Psychiatry teaching conference
5. Movement Disorders. Presented at Psychiatry teaching conference.
6. Movement Disorders. Presented at Internal medicine teaching Conference

Manchak, Michael. MD

Invited lecture (Local)

Stroke. Presented at Psychiatry teaching conference

Muntean, Eugenie. MD

Invited Lectures

1. Headache pain. Presented at Neurology Grand Round
2. Headache case presentation. Presented at Neurology Grand Round
3. Headache. Presented at Psychiatry teaching conference

Samaraweera, Ravinda. MD

Invited lectures (Local)

1. Our Good Friend Myoclonus. Presented at Neurology Grand round
2. Do not know what to do? Try Steroid. Presented at Neurology Grand round
3. Neurotransmitters and drug abuse. Presented at Psychiatry teaching conference.
4. Seizures and Syncope. Presented at Internal medicine teaching Conference

Scarberry, Susan. MD

Invited Lectures (Local)

1. Multiple sclerosis. An Update. Presented at Sanford Neuroscience Symposium in 2/2019
2. Multiple sclerosis. Presented at Psychiatry teaching conference

3. Multiple Sclerosis: A review. Presented at Neurology Grand round
4. ACTRIMS update. Presented at Neurology Grand round

Sachdeva, Gautum, MD.

Invited Lectures (Local)

1. Stroke. Presented at Internal medicine teaching Conference
2. NIH stroke Scale. Presented at Internal medicine teaching Conference

Sequeira, Alexandra. MD

Invited lectures

Local (State and Institutional):

1. Diversity in Medicine. Presented to Medical Students and at Neurology Grand Rounds 9/2019.
2. Aphasia Syndromes: Definitions, Localization and Differential Diagnosis. Presented at Internal Medicine Neurology Lecture Series.
3. Seizures: Definition, Classification, Management and More. NeuroCurriculum Lecture Series, Sanford Health. May 2019.
4. Individualized AED Selection in Adult Epilepsy. Presented at neurology grand Rounds. January 2019.
5. Ask An Expert: Women and Cardiovascular Health. Represented cerebrovascular (stroke) neurology. Sanford Health. February 2019.

Abstract and poster presentations

Antharam, P. and Sequeira, A. A Case of New Onset Focal Complex Status Epilepticus following Cochlear Implantation in an Adult. Poster presented at American College of Physicians, North Dakota Symposium.

Stutz, Amber. MD

1. Myoclonus Dystonia. Presented at Neurology Grand round
2. Parkinson's Disease. Presented at Internal medicine teaching Conference

PATHOLOGY

Total Publications: 59

National/International meeting:

Invited Platform Presentation

1. Messner M, Meyers S, Kemp WL. Invited Platform Presentation A Comparison of Coronary Artery Stenosis Estimates Made by Forensic Pathologists and Medical Students. American Association of Forensic Science, Baltimore, MD
2. Hyperglycemic Glucose and Cadmium Exposure: Two Loads Too Many for the Renal Proximal Tubule. Scott Garrett. University of North Dakota, Grand Forks ND. Abstract # 1055.

Posters:

1. Germundson, D.L., Smith, N.A., Nagamoto-Combs, K. (2019) Class II human leukocyte antigen expression influences behavioral manifestations of mild food allergy in mice. Presented in October at *Society for Neuroscience Annual Meeting Abstr. 685.15*. Chicago, IL.
2. Smith, N.A., Germundson, D.L., Nagamoto-Combs, K. (2019) Anxiety-like behavior is differentially induced in C57BL/6J and BALB/cJ mice as a form of non-anaphylactic response to cow's milk allergy. Presented in October at *Society for Neuroscience Annual Meeting Abstr. 685.20*. Chicago, IL.
3. Spagnolia A and Kemp WL Fatality While Bear Hunting: A Homicide or an Accident? National Association of Medical Examiners, Kansas City, MO, 2019
4. Amoth H, Sens MA, Kemp W. *Coccidioides immitis*: A Rare Form of the Disease Process Presenting in an Even Rarer Location. National Association of Medical Examiners, Kansas City, MO, 2019
5. Hafner E, Sens M, Kemp W. Homicide-Suicide: A Homicidal Asphyxia Misinterpreted as a Gunshot Wound at the Scene. National Association of Medical Examiners, Kansas City, MO, 2019
6. Pignato M, Sens M, Kemp W. Black Esophagus: A Report of Three Cases and Review of the Literature. National Association of Medical Examiners, Kansas City, MO, 2019
7. Prolonged Exposure to Sodium Arsenite Initiates Epithelial-Mesenchymal Transition in Human Renal Proximal Tubule Epithelial Cells (RPTEC/hTERT). A. Slusser, L. Fleming, S. Somji, D. Sens, and S. Garrett. University of North Dakota, Grand Forks, ND. Abstract # 2320.
8. Enrichment of Genes Associated with Squamous Differentiation in Cancer-Initiating Cells Isolated from Arsenite Transformed UROtsa Cell Lines. Z. Hoggarth, A. Slusser-Nore, D. Oowski, S. Garrett, D. Sens, and S. Somji. University of North Dakota, Grand Forks, ND. Abstract # 2321.
9. The CD24+CD133+ Cells Isolated from Human Proximal Tubules Have Proliferative and Regenerative Potential in Response to Insult by the Environmental Toxicant Cadmium.S. Shrestha, S. Garrett, X. Zhou, D. Sens, and S. Somji. University of North Dakota, Grand Forks, ND. Abstract # 2336.
10. Differential Gene Expression Patterns in Subcutaneous and Intra-peritoneal Tumors Produced by Urotsa Cells Malignantly Transformed by Cadmium and Arsenite.A. Nelson, Z. Hoggarth, X. Zhou, S. Garrett, D. Sens, and S. Somji. University of North Dakota, Grand Forks, ND. Abstract # 2335.
11. SPARC Expression at Tumor Initiation and after Tumor Formation in a Bladder Urothelial Carcinoma Model System.E. R. Biggane, S. Somji, S. H. Garrett, D. A. Sens, X. Zhou, A. Nore, and J. R. Dunlevy. University of North Dakota, Grand Forks, ND. Abstract # 2339.

Regional/Institutional:

Invited Platform

1. Brunner, M.N., Smith N.A., Germundson, D.L., Nagamoto-Combs, K. (2019) Altered neuronal activity of the auditory cortex in the mouse model of milk allergy. Frank Low Research Day Poster Session, University of North Dakota School of Medicine & Health Sciences, Grand Forks, ND.

Posters (only counted once; several were presented at several events, 1) UND Summer Undergraduate institute; 2) Annual ND INBRE Research Symposium, Oct 2019; 3) Frank Low Research Day; 4) IDeA Central regional conference, Oklahoma City, OK

1. Brunner, M.N., Smith N.A., Germundson, D.L., Nagamoto-Combs, K. (2019) Altered neuronal activity of the auditory cortex in the mouse model of milk allergy. Frank Low Research Day Poster Session, University of North Dakota School of Medicine & Health Sciences, Grand Forks, ND.

2. Smith, N.A, Germundson, D.L, Nagamoto-Combs, K. (2019) Allergic challenge induces differential behavioral responses based on genetic background in mice. Host-Pathogen COBRE Annual Symposium Poster Session. University of North Dakota School of Medicine & Health Sciences, Grand Forks, ND.
3. Germundson, D.L, Vendsel, L.P., Nagamoto-Combs, K. (2019) Central Nervous System and Intestinal Histamine Receptor Increases and Gut Tight Junction Protein Modifications in a Milk Allergy Mouse Model Host-Pathogen COBRE Annual Symposium Poster Session. University of North Dakota School of Medicine & Health Sciences, Grand Forks, ND.
4. Germundson, D.L, Smith N.A,, Nagamoto-Combs, K. (2019) HLA specific clinical and behavioral responses in a transgenic mouse model of cow's milk allergy. Oral presentations at IDeA Central Region Conference, Oklahoma City, OK, North Dakota Academy of Science, and Frank Low Research Day, Grand Forks, ND, and poster presentation at UND Graduate Student Day Poster Session. University of North Dakota, Grand Forks, ND.
5. Bergum N, Kalonick M, Shrestha S, Somji S (2019) Arsenic-induced Luminal to Basal Cancer Subtype Transformation. UND SMHS Summer Undergraduate Research Symposium, Aug 2019 Annual ND INBRE Undergraduate Research Symposium, Oct 2019 (Poster and Oral Presentation)
6. Blommel KG, Kalonick KJ, Shrestha S, Somji S (2019) Effect of Arsenite on Expression of FOXA1, SNAI1, and CDH-2 and the Luminal to Basal Transition in the NMIBC HTB-2 Cell Line. UND SMHS Summer Undergraduate Research Symposium, Aug 2019 Annual ND INBRE Undergraduate Research Symposium, Oct 2019
7. Breen SW, Guyer RE, Shrestha S, Garrett SH (2019) Lysosomal Gene Expression in Hyperglycemic Proximal Tubule Cells. UND SMHS Summer Undergraduate Research Symposium, Aug 2019 Annual ND INBRE Undergraduate Research Symposium, Oct 2019
8. Dwumfour S, Guyer R, Pathak P, Shrestha S, Garrett S (2019) Expression of LIPA, VPS41, TPP1 and TXNIP in hyperglycemic in-vitro HPT cells. UND SMHS Summer Undergraduate Research Symposium, Aug 2019 Annual ND INBRE Undergraduate Research Symposium, Oct 2019
9. Knudsen CS, Kalonick KJ, Pathak P, Shrestha S, Somji S (2019) Gene expression of GATA3 VIM & SLUG in short and long term As3+ exposure to HTB-2 cells. UND SMHS Summer Undergraduate Research Symposium, Aug 2019 Annual ND INBRE Undergraduate Research Symposium, Oct 2019
10. Knutson P, Kalonick KJ, Pathak P, Shrestha S, Somji S (2019) FABP4, KRT6A, 6B, 6C and EGFR Expression in Arsenic Exposed HTB-2 Cells. UND SMHS Summer Undergraduate Research Symposium, Aug 2019. Annual ND INBRE Undergraduate Research Symposium, Oct 2019
11. Kochanowski JL, Guyer R, Shrestha S, Garrett S (2019) Expression of RRAGC, PSAP, and FNBP1 in Human Proximal Tubule Cells Exposed to High Levels of Glucose. UND SMHS Summer Undergraduate Research Symposium, Aug 2019. Annual ND INBRE Undergraduate Research Symposium, Oct 2019
12. Moe NJ, Guyer R, Pathak P, Shrestha S, Garrett S (2019) EGFR, LDLR, mTOR, and AKR1B10 Expression in HPT cells when Exposed to High Glucose Levels. UND SMHS Summer Undergraduate Research Symposium, Aug 2019. Annual ND INBRE Undergraduate Research Symposium, Oct 2019
13. Nobuki Hida, Guyer R, Shrestha S, Garrett S (2019) Expression of CLCN7, FYCO1, and LGMN in Renal Proximal Tubule. UND SMHS Summer Undergraduate Research Symposium, Aug 2019. Annual ND INBRE Undergraduate Research Symposium, Oct 2019
14. Ridgley MD, Guyer R, Shrestha S, Garrett S (2019) NPC, NEU1, CTNS expression and localization in glucose exposed Human Proximal Tubule (HPT) Cell line. UND SMHS Summer Undergraduate Research Symposium, Aug 2019 Annual ND INBRE Undergraduate Research Symposium, Oct 2019

15. Suk E, Kalonick KJ, Pathak P, Shrestha S, Somji S (2019) Effect of Arsenic Exposure on Expression Levels of FGFR3, α - SMA, and TWIST in HTB-2 Cells. UND SMHS Summer Undergraduate Research Symposium, Aug 2019 Annual ND INBRE Undergraduate Research Symposium, Oct 2019
16. Volkert A, Guyer R, Kalonick M, Shrestha S, Garrett S (2019) Expression of HEXB, RRAGD, and SQSTM in glucose exposed human proximal tubule cells. ND SMHS Summer Undergraduate Research Symposium, Aug 2019 Annual ND INBRE Undergraduate Research Symposium, Oct 2019
17. Wegner K, Pathak P, Somji S, Shrestha S, Garrett S (2019) Metallothionein expression for TERT1 cells in conditioned and unconditioned media and HTB-2 cells exposed to cadmium and arsenic. ND SMHS Summer Undergraduate Research Symposium, Aug 2019. Annual ND INBRE Undergraduate Research Symposium, Oct 2019
18. Germundson DL, Smith NA, Nagamoto-Combs K (2019) HLA-II transgenic mice demonstrate sex and haplotype dependent behavioral responses after allergic sensitization to cow's milk protein. Annual ND INBRE Undergraduate Research Symposium, Oct 2019.
19. Guyer RE, Corum NJ, Nelson AE, Garrett SH, Slusser-Nore A, Shrestha S (2019) CD24+ RPTEC/TERT1 Cells in the Context of Acute and Chronic Cadmium Exposure. Annual ND INBRE Undergraduate Research Symposium, Oct 2019.
20. Kalonick MJ, Corum NJ, Nelson AE, Garrett SH, Slusser-Nore A (2019) CD44 variant 4 (CD44s) expression and localization in 4.5uM transformed TERT cells. Annual ND INBRE Undergraduate Research Symposium, Oct 2019
21. Pathak P, Slusser Nore A, Hoggarth Z, Nelson A, Somji S(2019) Expression of potential bladder cancer stem cell markers in As3+ and Cd2+ transformed UROtsa cell lines and urosphere. Annual ND INBRE Undergraduate Research Symposium, Oct 2019
22. Berning WP, Smith NA, Germundson DL, Nagamoto-Combs K (2019) Decreased Neural Activity in the Auditory Cortex Associated with Behavioral Abnormality in a Mouse Model of Cow's Milk Allergy UND SMHS Summer Undergraduate Research Symposium, Aug 2019 North Dakota INBRE Annual Symposium Poster Session, University of North Dakota, Grand Forks, ND.
23. Thomas A, Cisek K, O'Shea L, Sens DA, Doze V (2019) Implementing Bio-Rad Labs and Meeting State Teaching Standards as a High School Science Teacher. 7th Annual North Dakota Tribal College Research Symposium, March 2019
24. Smith NA, Germundson DL, Nagamoto-Combs K (2019) Astrogliosis and dysbiosis associated with behavioral abnormality in a non-anaphylactic mouse model of cow's milk allergy. Annual ND INBRE Undergraduate Research Symposium, Oct 2019
25. Biggane E, Somji S, Garrett SH, Sens DA, Zhou X, Nore A, Dunlevy J. (2019) SPARC Expression at Tumor Initiation and After Tumor Formation in a Bladder Urothelial Carcinoma Model System. 7th Annual North Dakota Tribal College Research Symposium, March 2019
26. Smith NA, Germundson DL, Nagamoto-Combs K (2019) Differential Behavior Response in C57BL/6 and BALB/c Mice Induced by Food Allergy. 7th Annual North Dakota Tribal College Research Symposium, March 2019
27. Mehus AA, Garrett SH, Sens DA, Seema S (2019) Expression patterns of basal and luminal markers in the As3+-transformed urothelial UROtsa cell line treated with Troglitazone. Annual ND INBRE Undergraduate Research Symposium, Oct 2019
28. Shrestha S, Garrett SH, Zhou X, Sens DA, Somji S (2019). CD133+CD24+ cells isolated from the human proximal tubules have proliferative and regenerative potential in response to insult by the environmental toxicant cadmium. Annual ND INBRE Undergraduate Research Symposium, Oct 2019. 7th Annual North Dakota Tribal College Research Symposium, March 2019
29. Zheng Y, Zhou X, Oancea SC, Sens MA (2019) The NDSCR Provides Training to Certified Tumor Registrars. Annual ND INBRE Undergraduate Research Symposium, Oct 2019

Manuscripts

1. Zachary E Hoggarth , Danyelle B Osowski , Andrea Slusser-Nore, Swojani Shrestha, Prakash Pathak, Theoren Solseng , Scott H Garrett , Divyen H Patel , Evan Savage , Donald A Sens, Seema Somji. Enrichment of Genes Associated With Squamous Differentiation in Cancer Initiating Cells Isolated From Urothelial Cells Transformed by the Environmental Toxicant Arsenite. *Toxicol Appl Pharmacol.* , 374, 41-52 2019 Jul 1
2. Swojani Shrestha, Scott H Garrett, Donald A Sens, Xu Dong Zhou , Rachel Guyer 5, Seema Somji 6 Characterization and Determination of Cadmium Resistance of CD133 +/CD24 + and CD133 -/CD24 + Cells Isolated From the Immortalized Human Proximal Tubule Cell Line, RPTEC/TERT1. *Toxicol Appl Pharmacol* 375, 5-16 2019 Jul 15
3. Kemp WL, Koponen M, Sens MA. Forensic Autopsy Experience and Core Entrustable Professional Activities: A Structured Introduction to Autopsy Pathology for Preclinical Student. *Acad Pathol.* 2019 Mar 5;6. eCollection 2019 Jan-Dec.
4. Richard D Goldstein, Peter S Blair, Mary Ann Sens, Carrie K Shapiro-Mendoza, Henry F Krous, Torleiv O Rognum, Rachel Y Moon, 3rd International Congress on Sudden Infant and Child Death. Inconsistent Classification of Unexplained Sudden Deaths in Infants and Children Hinders Surveillance, Prevention and Research: Recommendations From The 3rd International Congress on Sudden Infant and Child Death *Forensic Sci Med Pathol* 15 (4), 622-628 Dec 2019
5. Carri Cottengim, Sharyn Parks, Dale Rhoda, Tom Andrew, Kurt B Nolte, John Fudenberg, Mary Ann Sens, Jennifer Brustrom, Betsy Payn, Carrie K Shapiro-Mendoza. Protocols, Practices, and Needs for Investigating Sudden Unexpected Infant Deaths *Forensic Sci Med Pathol* 2019 Nov 18
6. Manocha GD, et al. *Neurobiol Aging* 2019. Among authors: Combs CK, Nagamoto-Combs K. Temporal progression of Alzheimer's disease in brains and intestines of transgenic mice *Neurobiol Aging*, 81, 166-176 Sep 2019
7. Nicholas A Smith 1, Danielle L Germundson, Colin K Combs, Lane P Vendsel, Kumi Nagamoto-Combs. Astrogliosis Associated With Behavioral Abnormality in a Non-anaphylactic Mouse Model of Cow's Milk Allergy. Smith NA, et al. *Front Cell Neurosci* 2019.
8. Deland Weyrauch, Walter L Kemp, Mark Koponen. Right Ventricle Rupture After Open Heart Surgery *Am J Forensic Med Pathol* 2019.
9. Spagnolia A and Kemp WL Fatality While Bear Hunting: A Homicide or an Accident? . *Am J Forensic Med Pathol* 2019. PMID 30807298
10. Jessica Schweigert, Rylee Christian, Walter L Kemp. Challenges in the Diagnosis of a Posterior Lingual Abscess, a Potential Lethal Disorder: A Case Report and Review of the Literature. *Am J Forensic Med Pathol* 2019 Nov 7[Online ahead of print]
11. Mitchell Messner, Sarah E Meyers, Walter L Kemp. A Comparison of Coronary Artery Stenosis Estimates Made by Forensic Pathologists and Medical Students. *J Forensic Sci* 2019 Sep 17[Online ahead of print]

12. Ablation of amyloid precursor protein increases insulin-degrading enzyme levels and activity in brain and peripheral tissues. Kulas JA, Franklin WF, Smith NA, Manocha GD, Puig KL, Nagamoto-Combs K, Hendrix RD, Tagliabue G, Barger SW, Combs CK. *Am J Physiol Endocrinol Metab.* 2019 Jan 1;316(1):E106-E120. doi: 10.1152/ajpendo.00279.2018. Epub 2018 Nov 13. Erratum in: *Am J Physiol Endocrinol Metab.* 2019 Feb 1;316(2):E345. PMID: 30422705
13. Racial Differences in the Association between Luminal Master Regulator Gene Expression Levels and Breast Cancer Survival. Jung S Byun*, Sandeep Singhal*, Samson Park, Dae Ik Yi, Tingfen Yan, Ambar Caban, Alana Jones, Partha Mukhopadhyay, Sara M Gil, Stephen M. Hewitt, Lisa Newman, Melissa B. Davis, Brittany D Jenkins, Jorge L Sepulveda, Adriana De Siervi, Anna María Nápoles, Nasreen A Vohra and Kevin Gardner DOI: 10.1158/1078-0432.CCR-19-0875.
14. Hughes R, Kemp W. Contained myocardial rupture. Accepted for publication (*Acad Forensic Pathol*) May 2019.
15. Hughes R. Fatal combination of mitragynine and quetiapine – a case report with discussion of a potential herb-drug interaction. *Forensic Sci, Med and Pathol* 2019;15(1):110-3.
16. Hughes R. A fatal case of acute renal failure from envenoming syndrome after massive bee attack: a case report and literature review. *Am J Forensic Med Pathol* 2019;40(1):52-7.

PEDIATRICS

Total Publications: 13

Larry Burd, Ph.D., Professor of Pediatrics

1. Greenmyer JR, Popova S, Klug MG, Burd L. Fetal alcohol spectrum disorder: A systematic review of the cost of and savings from prevention in the United States and Canada. *Addiction.* 2019 (epub ahead of print).
2. Burd L, Edwards W. Fetal alcohol spectrum disorders: Implications for attorneys and the courts. *Criminal Justice.* 21-28, 2019 (Fall).
3. Popova S, Dozet D, Burd L, Rehm J. Alcohol industry-funded websites contribute to ambiguity regarding the harmful effects of alcohol consumption during pregnancy: A commentary on Lim et al. (2019). *J Studies Alcohol and Drugs.* 80(5):534-536, 2019 (Sept.).
4. Shuffrey LC, Myers MM, Odendaal HJ, Elliott AJ, Du Plessis C, Groenewald C, Burd L, Angal J, Nugent JD, Isler JR, Fifer WP for the PASS Network. Fetal heart rate, heart rate variability, and heart rate/movement coupling in the Safe Passage Study. *Journal of Perinatology.* 39(5):608-618, 2019, May 4.
5. Popova S, Burd L. Fetal alcohol spectrum disorders: Fixing our aim to aim for the fix. *Int J of Environ Res Public Health.* 16:3978, 2019.
6. Popova, S. Lange, S., Shield, K., Burd, L, Rehm, J. Prevalence of fetal alcohol spectrum disorder among special subpopulations: A systematic review and meta-analysis. *Addiction.* 114:1150-1172, 2019

7. Schaff E, Moreno M, Foster K, Klug MG, Burd L. What do we know about prevalence and management of intoxicated women during labor and delivery? *Global Pediatric Health*. 6:1-8, 2019.
8. Kambeitz C, Klug MG, Greenmyer J, Popova S, Burd L. Association of adverse childhood experiences and neurodevelopmental disorders in people with fetal alcohol spectrum disorders (FASD) and non-FASD controls. *BMC Pediatrics*. 19:498, 2019.

Book Chapters

1. Burd L, Burd M, Klug MG, Kerbeshian J, Popova S. Comorbidity and intellectual disability. Pages 121-137. In: Matson J. (ed). *Handbook of intellectual disabilities. Autism and child psychopathology series*. Springer, Cham. Springer Nature Switzerland AG 2019.

Kari Casas, M.D., Clinical Associate Professor of Pediatrics

1. van Vliet D, van Wegberg AMJ, Ahring K, Bik-Multanowski M, Casas K, Didycz B, Djordjevic M, Hertecant JL, Leuzzi V, Mathisen P, Nardecchia F, Powell KK, Rutsch F, Stojiljkovic M, Trefz FK, Usurelu N, Wilson C, van Karnebeek CD, Hanley WB, van Spronsen FJ. 2019. Untreated PKU patients without intellectual disability: What do they teach us? *Nutrients* 11:2572.

Parag Kumar, M.D., Clinical Professor of Pediatrics

1. Kristen K. Stenehjem, Jessica Schweigert, Parag Kumar. Atypical Presentation of Viral Gastroenteritis in a Three-year-old Child Due to a UNC80 Mutation. *Cureus*. 2019 Apr; 11(4): e4395. Published online 2019 Apr 5. doi: 10.7759/cureus.4395

Nabeel Manzar, M.D., Clinical Assistant Professor of Pediatrics

1. Manzar N, **Almuqamam M, Kaushik K.** Et al. Primary non-typhoidal Salmonella infection presenting as a splenic abscess in a healthy adolescent male. ***Infec Med***. 2019 Mar 1;27(1):77-81.

Stephen McDonough, M.D., Clinical Associate Professor of Pediatrics

1. Berry, Susan; University of Minnesota, Pediatrics; Brown, Christine; National PKU Alliance, Executive Director; Greene, Carol; University of Maryland, Clinical Genetics / Pediatrics; Camp, Kathryn; National Institutes of Health, Office of Dietary; McDonough, Stephen; Independent Doctors, Pediatrics; Bocchini, Joseph; LSUHSC-Shreveport, Pediatrics; Medical Foods for Inborn Errors of Metabolism: The Critical Need to Improve Patient Access; Pediatrics Manuscript ID 2019-2261

POPULATION HEALTH

Total Publications: 20

Kim Becker

1. **Becker, K.** (2019). Graduate students' experiences of plagiarism by their professors. *Higher Education Quarterly*. 2019; 73(2): 251-265.

Marilyn Klug

1. Kambeitz C, **Klug MG**, Greenmyer J, Popova S, Burd L. Association of adverse childhood experiences and neurodevelopmental disorders in people with fetal alcohol spectrum disorders (FASD) and non-FASD controls. *BMC Pediatr*. 2019 Dec 16;19(1):498.
2. Schaff E, Moreno M, Foster K, **Klug MG**, Burd L. What Do We Know About Prevalence and Management of Intoxicated Women During Labor and Delivery? *Glob Pediatr Health*. 2019 Dec 11; 6:23. eCollection 2019. Review.
3. Hanson DJ, Stutz-Tanenbaum P, Rogers O, Turner T, Graves C, **Klug MG**. Collaborative Fieldwork Supervision: A Process Model for Program Effectiveness. *American Journal of Educational Research*, 2019, Vol. 7, No. 11: 837-844.
4. Greenmyer JR, Popova S, **Klug MG**, Burd L. Fetal alcohol spectrum disorder: a systematic review of the cost of and savings from prevention in the United States and Canada *Addiction*. 2019 Oct 19. [Epub ahead of print] Review.
5. Schwartz GG, **Klug MG**. Thyroid Cancer Incidence Rates in North Dakota are Associated with Land and Water Use *Int J Environ Res Public Health*. 2019 Oct 10; 16(20).
6. Schwartz GG, **Klug MG**, Rundquist BC. An exploration of colorectal cancer incidence rates in North Dakota, USA, via structural equation modeling. *Int J Colorectal Dis*. 2019 Sep; 34(9):1571-1576.

S. Cristina Oancea

9. **Oancea SC***, Watson IW*. Does health plan type influence receipt of an annual influenza vaccination? *Journal of Epidemiology and Community Health*. 2020. 74(1): 57-63. doi:10.1136/jech-2019-212488. (* joint first author)
10. **Oancea SC**, Watson IW. The association between history of screening for cancer and receipt of an annual flu vaccination: Are there reinforcing effects of prevention seeking? *American Journal of Infection Control*. 2019; 47(11):1309-13. doi:10.1016/j.ajic.2019.05.009
11. **Oancea SC***, de Oliveira GD*, Nucci LB, Vogeltanz-Holm N. The association between obesity and self-reported current depression among adult cancer survivors residing in Brazil. *International Health*. 2019. 11(6):580-8. doi:10.1093/inthealth/ihz027 (* joint first author)

Jacque Gray

1. Iyengar, V., Beatty, P.W., Boel, M., Crockett, C., DiCocco, C., Fink, D., **Gray, J.S.**, LaCounte, C., Link, G., Miller, A.C., Phillippi, M., Skowronski, S., Twomey, M.S., & Williams, T. (2019). Traumatic events in the nonveteran older adults: Experiences, impacts, and the Federal response. Discussion Paper, National Academy of Medicine, Washington, DC.
<https://nam.edu/trauma-caused-by-injury-or-abuse-in-late-life-experiences-impacts-and-the-federal-response/>.
2. Stanley, I. H., Hom, M. A., Gallyer, A. J., **Gray, J. S.**, & Joiner, T. E. (2019). Suicidal behaviors among American Indian/Alaska Native firefighters: Evidence for the role of painful and provocative events. *Transcultural Psychiatry* 0(0):1-21. DOI: 10.1177/1363461519847812
3. **Gray, J.S.**, Schrader, L., Isaacs, D.S., Smith, M.K., & Bender, N. (2019) Wa'cinyeya: Hope Among American Indian Youth. *Journal of American Indian and Alaska Native Mental Health Research*, 26(2): 151-171. <http://dx.doi.org/10.5820/aian.2602.2019.151>
4. **Gray, J.S.**, Isaacs, D.S., & Wheeler, M.J. (2019). Culture, Resilience, and Indigenist Feminism to Help Native American Girls Thrive (pp 43-78). In *Thrive: Multicultural Feminist Therapy with Adolescent Girls of Color*. Washington, D.C.: American Psychological Association Press. <http://dx.doi.org/10.1037/0000140-000>

Gary Schwartz

1. Robsahm T, Tretli S, Torjeson PA, Babigumira R, **Schwartz GG**. Serum 25-Hydroxyvitamin D levels predict cancer survival: A prospective cohort with measurements prior to and at the time of cancer diagnosis. *Clinical Epidemiology* 2019, 11:695-705.
2. **Schwartz GG**, Klug MG, Rundquist BC. An exploration of colorectal cancer incidence rates in North Dakota, U.S.A., via structural equation modeling. *International Journal of Colorectal Disease*, 2019. <https://doi.org/10.007/s00384-019-03352-9>. Published online July 16, 2019.
3. Schwartz GG, Klug MG. Thyroid cancer incidence rates in North Dakota are associated with land and water use. *International Journal of Environmental Research and Public Health*, 2019, 16: 3805; doi:10.3390/ijerph16203805. Published Online October 10, 2019.
4. Zhang C, **Schwartz GG**. In Memoriam of Dr. Carol Hanchette. *International Journal of Applied Geospatial Research* 2019,10:59-60.

Andrew Williams

1. **Williams, A.D.**, Messer, L., Kanner, J., Ha, S., Grantz, K. & Mendola, P. "Ethnic enclaves and pregnancy and behavior outcomes among Asian/Pacific Islanders in the United States." *Journal of Racial and Ethnic Health Disparities* 2019, <https://doi.org/10.1007/s40615-019-00650-4>
2. ^Seeni, I., **Williams, A.D.**, Nobles, C., Chen, Z., Sherman, S., Mendola, P., "Acute air pollution exposure and NICU admission: a case-crossover analysis." *Annals of Epidemiology*, September 2019, Volume 37. 64-70.e2. <https://doi.org/10.1016/j.annepidem.2019.07.008>

Psychiatry

Total Publications: 58

Andrew McLean

1. McLean A. Community Resilience. Pages 361-373. Springer International Publishing. In: Moffic HS, Hankir AZ, Peteet J, Awaad R, (eds.) Islamophobia and Psychiatry (Recognition, Prevention, and Treatment). Springer. Cham, Switzerland. 2019.
2. McLean A. Mental Health at the Table During Community Crises. *Psychiatric Services*. 70(3):166-167, 2019.

Jon Ulven

1. Dybsand, L., Hall, K.J., Ulven, J. Improving Provider Confidence in Addressing the Vaccine-Hesitant Parent: A Pilot Project of 2 Contrasting Communication Strategies. *SAGE Journals*. 87-91, 2019.

Ross Crosby

1. Kerrigan, S.G., Forman, E.F., Patel, M., Williams, D., Zhang, F., Crosby, R.D., & Butryn, M.L. Evaluating the feasibility, acceptability, and effects of deposit contracts with and without daily feedback to promote physical activity. *Journal of Physical Activity and Health*, 2019, Nov. 6, 1-8. PMID: 31698334
2. Pacanowski, C.R., Crosby, R.D. & Grilo, C.M. Self-weighting behavior in individuals with binge-eating disorder. *Eating Disorders: The Journal of Prevention and Treatment*, 2019, November 1, 1-8. PMID: 31675284
3. Grilo, C.M., Crosby, R.D. & Machado, P.P.P. Examining the distinctiveness of body image concerns in patients with anorexia nervosa and bulimia nervosa. *International Journal of Eating Disorders*, 2019, 52, 1229-1236. PMID: 31486125
4. Barakat, S., Smith, K., Mason, T., Maguire, S., Crosby, R.D. & Touyz, S. Evaluating the role of digital intervention in treatment outcomes and adherence to eTherapy programs for eating disorders: A systematic review and meta-analysis. *International Journal of Eating Disorders*, 2019, 51(10), 1077-1094. PMID: 31328815
5. Smith, K.E., Mason, T.B., Juarascio, A.S., Schaefer, L., Crosby, R.D., Engel, S.G. & Wonderlich, S.A. Moving beyond self-report data collection in the natural environment: A review of the past and future directions for ambulatory assessment in eating disorders. *International Journal of Eating Disorders*, 2019, 52(10), 1157-1175. PMID: 31313348
6. Loeb, K.L., Le Grange, D., Celio Doyle, A., Crosby, R.D., Glunz, C., Laraque-Arena, D., Hildebrandt, T., Bacow, T., Vangeepuram, N. & Gault, A. Adapting family-based treatment for pediatric obesity: A randomized controlled pilot trial. *European Eating Disorders Review*, 2019, 27(5), 521-630. PMID: 31344751
7. Ziobrowski, H.N., Sonnevile, K.R., Eddy, K.T., Crosby, R.D., Micali, N., Horton, N.J. & Field, A. E. Maternal eating disorders and eating disorder treatment among adolescent girls in the Growing

Up Today Study. *Journal of Adolescent Health*, 2019, 65(4), 469-475. PMID: 31277989

8. Smith, A.R., Kircanski, K., Brotman, M., Do, Q., Subar, A., Engel, S.G., Crosby, R.D., Harrewijn, A., White, L., Cardinale, E., Haller, S., Buzzed, G., Barker, T., Leibenluft, E. & Pine, D. Advancing clinical neuroscience through enhanced tools: Pediatric social anxiety as an example. *Depression and Anxiety*, 2019, 36(8), 701-711. PMID: 31373756
9. Smith, K.E., Orcutt, M., Steffen, K.J., Crosby, R.D., Cao, L., Garcia, L. & Mitchell, J.E. Loss of control eating and binge eating in the seven years following bariatric surgery. *Obesity Surgery*, 2019, 29(6), 1773-1780. PMID: 30820886
10. Mason, T. B., Smith, K. E., Crosby, R. D., Engel, S. G., & Wonderlich, S. A. Examination of momentary maintenance factors and eating disorder behaviors and cognitions using ecological momentary assessment. *Eating Disorders: Journal of Treatment and Prevention*, 2019, May 11, 1-14. PMID: 31081472
11. Forbush, K.T., Crosby, R.D., Coniglio, K. & Haynos, A.F. Education, dissemination, and the science of eating disorders: Reflections on the 2019 International Conference on Eating Disorders: Editorial to accompany IJED Virtual Issue in honor of the 2019 International Conference on Eating Disorders. *International Journal of Eating Disorders*, 2019, 52(5), 493-496. PMID: 30788850
12. Forman, E.M., Manasse, S.M., Butryn, M.L., Crosby, R.D., Dallal, D.H., & Crochiere, R.J. Long-term follow-up of the Mind Your Health Project: Acceptance-based versus standard behavioral treatment for obesity. *Obesity*, 2019, 27(4), 565-571. PMID: 30806492
13. Hernández, C., Ottenberger, D.R., Moessner, M., Crosby, R.D. & Ditzen, B. Depressed and swiping my problems for later: The moderation effect between procrastination and depressive symptomatology on internet addiction. *Computers in Human Behavior*, 2019, 97, 1-9.
14. Lebow, J., Sim, L., Crosby, R.D., Goldschmidt, A.B., Le Grange, D. & Accurso, E.C. Weight gain trajectories during outpatient family-based treatment for adolescents with anorexia nervosa. *International Journal of Eating Disorders*, 2019, 52(1), 88-94. PMID: 30578648
15. Hilbert, A., Herpertz, S., Zipfel, S., Tuschen-Caffier, B., Friedrich, H.C., Mayr, A., Crosby, R.D. & de Zwaan, M. Early change trajectories in cognitive-behavioral therapy for binge-eating disorder. *Behavior Therapy*, 2019, 50(1), 115-125. PMID: 30661552
16. Smith, K. E., Mason, T. B., Crosby, R. D., Engel, S. G., & Wonderlich, S. A. A multimodal, naturalistic investigation of relationships between behavioral impulsivity, affect, and binge eating. *Appetite*, 2019, 136, 50-57. PMID: 30664909
17. Glazer, K.B., Sonnevile, K.R., Micali, N., Swanson, S.A., Crosby, R.D., Horton, N.J., Eddy, K.T. & Field, A.E. The course of eating disorders involving bingeing and purging among adolescent girls: Prevalence, stability, and transitions. *Journal of Adolescent Health*, 2019, 64(2), 165-171. PMID: 30509766

18. Smith, K.E., Mason, T.B., Crosby, R.D., Cao, L., Leonard, R.C., Wetterneck, C.T., Smith, B.E.R., Farrell, N., Riemann, B.C., Wonderlich, S.A., & Moessner, M. A comparative network analysis of eating psychopathology and co-occurring depression and anxiety symptoms before and after treatment. *Psychological Medicine*, 2019, 49(2), 314-324. PMID: 29655386
19. Bodell, L.P., Pearson, C.M., Smith, K.E., Cao, L., Crosby, R.D., Peterson, C.B., Crow, S.J., & Berg, K.C. Longitudinal associations between emotion regulation, negative affect, and eating disorder symptoms in a clinical sample of individuals with binge eating. *Eating Behaviors*, 2019, 32, 69-73. PMID: 30654193
20. Mason, T. B., Pacanowski, C. R., Lavender, J. M., Crosby, R. D., Wonderlich, S. A., Engel, S. G., Mitchell, J. E., Crow, S. J., & Peterson, C. B. Evaluating the ecological validity of the Dutch Eating Behavior Questionnaire among obese adults using ecological momentary assessment. *Assessment*, 2019, 26(5), 907-914. PMID: 28703009
21. Fitzsimmons-Craft, E. E., Eichen, D. M., Kass, A. E., Trockel, M., Crosby, R. D., Taylor, C. B., & Wilfley, D. E. Reciprocal longitudinal relations between weight/shape concern and comorbid pathology among women at very high risk for eating disorder onset. *Eating and Weight Disorders*, 2019, 24(6), 1189-1198. PMID: 29285745

Karl Nelson

1. Oehlert, M. E., Nelson, K. G., King, N., Reis, D. J., Sumerall, S., Neal, C., & Henry, P. (2019). Measurement-based care: Use of the Beck Anxiety Inventory (BAI) in a veteran population. *Psychological Services*. doi:10.1037/ser0000372
2. Justice, N. M., Tupy, S. J., Malevich, C., & Nelson, K. (2019). *Local norms of the MMPI-2-RF for compensation seeking veterans*. Poster presented at the American Psychological Association annual convention in Chicago, Illinois

Kathryn Smith

1. Anderson, L. M., Smith, K. E., Nuñez, M. C., & Farrell, N. R. (2019). Family accommodation in eating disorders: A preliminary examination of correlates with familial burden and cognitive-behavioral treatment outcome. *Eating Disorders: The Journal of Treatment and Prevention*. <https://doi.org/10.1080/10640266.2019.1652473>
2. Barakat, S., Maguire, S., Smith, K. E., Mason, T. B., Crosby, R. D., & Touyz, S. (2019). Evaluating the role of digital intervention design in treatment outcomes and adherence to eTherapy programs for eating disorders: A systematic review and meta-analysis. *International Journal of Eating Disorders*, 52(10), 1077-1094. <https://doi.org/10.1002/eat.23131>
3. Smith, K. E., Mason, T. B., Juarascio, A., Schaefer, L. M., Crosby, R. D., Engel, S. G., & Wonderlich, S. A. (2019). Moving beyond self-report data collection in the natural environment: A review of the past and future directions for ambulatory assessment in eating disorders. *International Journal of Eating Disorders*, 52(10), 1157-1175. <https://doi.org/10.1002/eat.23124>
4. Smith, K. E., & Juarascio, A. (2019). From ecological momentary assessment (EMA) to ecological momentary intervention (EMI): Past and future directions for ambulatory assessment and interventions in eating disorders. *Current Psychiatry Reports*, 21(53).

<https://doi.org/10.1007/s11920-019-1046-8>

5. Mason, T. B., Smith, K. E., Crosby, R. D., Engel, S. G., & Wonderlich, S. A. (2019). Examination of momentary maintenance factors and eating disorder behaviors and cognitions using ecological momentary assessment. *Eating Disorders: Journal of Treatment and Prevention*, 1-14. <https://doi.org/10.1080/10640266.2019.1613847>
6. Smith, K. E., Orcutt, M., Steffen, K. J., Crosby, R. D., Cao, L., Garcia, L., & Mitchell, J. E. (2019). Loss of control eating and binge eating in the seven years following bariatric surgery. *Obesity Surgery*, 29(6), 1773-1780. <https://doi.org/10.1007/s11695-019-03791-x>
7. Smith, K. E., Mason, T. B., Crosby, R. D., Engel, S. G., & Wonderlich, S. A. (2019). A multimodal, naturalistic investigation of relationships between behavioral impulsivity, affect, and binge eating. *Appetite*, 136, 50-57. <https://doi.org/10.1016/j.appet.2019.01.014>
8. Smith, K. E., Mason, T. B., Anderson, N. L., & Lavender, J. M. (2019). Unpacking cognitive emotion regulation in eating disorder psychopathology: The differential relationships between rumination, thought suppression, and eating disorder symptoms among men and women. *Eating Behaviors*, 32, 95-100. <https://doi.org/10.1016/j.eatbeh.2019.01.003>
9. Mason, T. B., Smith, K. E., Engwall, A., Lass, A., Mead, M., Sorby, M., Bjorlie, K., Strauman, T. J., & Wonderlich, S. A. (2019). Self-discrepancy theory as a transdiagnostic framework: A meta-analysis of self-discrepancy and psychopathology. *Psychological Bulletin*, 145(4), 372-389. <https://doi.org/10.1037/bul0000186>
10. Bodell, L. P., Pearson, C. M., Smith, K. E., Cao, L., Crosby, R. D., Peterson, C. B., Crow, S. J., & Berg, K. C. (2019). Longitudinal associations between emotion regulation skills, negative affect, and eating disorder symptoms in a clinical sample of individuals with binge eating. *Eating Behaviors*, 32, 69-73. <https://doi.org/10.1016/j.eatbeh.2018.12.005>
11. Smith, K. E., Mason, T. B., Crosby, R. D., Cao, L., Leonard, R. C., Wetterneck, C. T., Smith, B. E. R., Farrell, N., Riemann, B. C., Wonderlich, S. A., & Moessner, M. (2019). A comparative network analysis of eating psychopathology and co-occurring depression and anxiety symptoms before and after treatment. *Psychological Medicine*, 49(2), 314-324. <http://dx.doi.org/10.1017/S0033291718000867>

Rodney Swenson

1. Emrani, S., Wasserman, V., Matusz, E., Miller, D., Lamar, M., Price, C.C., Ginsberg, T.B., Au, R., Swenson, R., & Libon, D.J. Visual versus Verbal Working Memory in Statistically Determined Patients with Mild Cognitive Impairment: On behalf of the Consortium for Clinical and Epidemiological Neuropsychological Data Analysis. (2019). *Journal of the International Neuropsychological Society*, 1-10. doi:10.1017/S1355617719000808
2. Wasserman, V., Emrani, S., Matusz, E.F., Miller, D., Garrett, K.D., Gifford, K.A., Hohman, T.J., Jefferson, A. J., Au, R., Swenson, R., and Libon, D.J. (2019). Visual and Verbal Serial List Learning in Patients with Statistically-Determined Mild Cognitive Impairment. *Innovation in Aging*, 3 (2), 1-12.

James Roerig

1. Roerig JL. Clozapine augmentation strategies. *Ment Health Clin.* Nov 27;9(6):336-348. doi: 10.9740/mhc.2019.11.336. eCollection 2019 Nov.
2. Singh B, Hughes AJ, Roerig JL. Comfort Level and Barriers to the Appropriate Use of Clozapine: a Preliminary Survey of US Psychiatric Residents. *Acad Psychiatry.* Nov 11. doi: 10.1007/s40596-019-01134-7. 2019 [Epub ahead of print]

Stephen Wonderlich

1. Smith KE, Mason TB, Crosby RD, Engel SG, Wonderlich SA. "A multimodal, naturalistic investigation of relationships between behavioral impulsivity, affect, and binge eating." *Appetite.* 1;136:50-57, 2019.
2. Mason TB, Smith KE, Engwall A, Lass A, Mead M, Sorby M, Bjorlie K, Strauman TJ, Wonderlich S. "Self-discrepancy theory as a transdiagnostic framework: A meta-analysis of self-discrepancy and psychopathology." *Psychol Bull.* 145(4):372-389, 2019.
3. Smith KE, Mason TB, Juarascio A, Schaefer LM, Crosby RD, Engel SG, Wonderlich SA. "Moving beyond self-report data collection in the natural environment: A review of the past and future directions for ambulatory assessment in eating disorders." *Int J Eat Disord.* 52(10):1157-1175, 2019.
4. Mason TB, Smith KE, Crosby RD, Engel SG, Wonderlich SA. "Examination of momentary maintenance factors and eating disorder behaviors and cognitions using ecological momentary assessment." *Eat Disord.* 11:1-14, 2019.
5. Pisetsky EM, Schaefer LM, Wonderlich SA, Peterson CB. "Emerging Psychological Treatments in Eating Disorders." *Psychiatr Clin North Am.* 42(2):219-229, 2019.
6. Mason TB, Pacanowski CR, Lavender JM, Crosby RD, Wonderlich SA, Engel SG, Mitchell JE, Crow SJ, Peterson CB. "Evaluating the ecological validity of the Dutch Eating Behavior Questionnaire among obese adults using ecological momentary assessment." *Assessment.* 26(5):907-914, 2019.
7. Smith KE, Mason TB, Schaefer LM, Juarascio A, Dvorak R, Weinbach N, Crosby RD, Wonderlich SA. Examining intra-individual variability in food-related inhibitory control and negative affect as predictors of binge eating using ecological momentary assessment." *J Psychiatr Res.* 26;120:137-143, 2019.

Book Chapter

1. Brewerton TD, Trottier K, Trim T, Myers T, Wonderlich S. "Integrating Evidence-Based Treatments for Eating Disorder Patients with Comorbid PTSD and Trauma-related Disorders." In Tortolani C, Goldschmidt A, and Le Grange D (Eds.) *Adapting Evidence-Based Treatments for Eating Disorders for Novel Populations and Settings: A Practical Guide.* New York, NY: Routledge Publishers, 2019.

Nancy Vogeltanz-Holm

1. Dias de Oliveira G, Oancea SC, Nucci LB, Vogeltanz-Holm N. The association between obesity and self-reported current depression among adult cancer survivors residing in Brazil. *International Health*. 2019 Nov 13;11(6):580-588. doi: 10.1093/inthealth/ihz027. PubMed PMID: 31294775

Amanda Brooks

1. Mulinti P, Hasan R, Quadir M, and Brooks AE. "Synthesis and Evaluation of Novel Heparin Binding Functionalized Modified Spider Silk Coating for Catheter Providing Dual Antimicrobial and Anticoagulant Properties", *Acta Biomaterialia*, In Process. 2019.
2. Shreffler J, Steffen K, Thompson M, Fouladi F, Brooks AE. "The Effect Of Vsl#3 Probiotic On Weight Profiles And Gut Flora In Mice Colonized With Human Microbiome" *Journal of Biomedical Instrumentation*. In Process. 2019.
3. Shreffler J, Pullan JE, Dailey KM, Mallik S, Brooks AE, "Overcoming Hurdles in Nanoparticle Clinical Translation: The Influence of Experimental Design and Surface Modification" *Int J Mol Sci*, 20(23), 6056; <https://doi.org/10.3390/ijms20236056>, 2019.
4. Hasan R, Shreffler J, Schroeder M, Wohlers A, Brooks AE, "Extended Release Combination Antibiotic Therapy from a Bone Void Filling Putty for Treatment of Osteomyelitis". *Pharmaceutics*. 2019, 11(11), 592; <https://doi.org/10.3390/pharmaceutics11110592>, 2019.
5. Fouladi F, Brooks AE, Fodor AA, Carroll IM, Bulik-Sullivan EC, Tsilimigras MCB, Sioda M, and Steffen KJ. "The Role of the Gut Microbiota in Sustained Weight Loss Following Roux-en-Y Gastric Bypass Surgery." *Obes. Surg.* <https://doi.org/10.1007/s11695-018-03653-y>, 2019.

Sharon Wilsnack

1. Graham, K., Bernards, S., Laslett, A.-M., Gmel, G., Kuntsche, S., Wilsnack, S. et al. (2018). Children, parental alcohol consumption, and intimate partner violence: A multicountry analysis by perpetration versus victimization and sex. *Journal of Interpersonal Violence*, doi: 0886260518804182. [Actually published in 2019, although the "official" publication date is 2018.]
2. Nayak, M.B., Patterson, D., Wilsnack, S.C., Karriker-Jaffe, K.J., & Greenfield, T. K. (2019). Alcohol's secondhand harms in the U.S.: New data on prevalence and risk factors. *Journal of Studies on Alcohol and Drugs*, 80(3), 273-281.
3. Laslett, A.-M., Stanesby, O., Wilsnack, S., Room, R., & Greenfield, T. (2019). Cross-national comparisons and correlates of harms from the drinking of people with whom you work (2019). *Alcoholism: Clinical and Experimental Research*, <https://doi.org/10.1111/acer.14223>
4. Grittner, U., Wilsnack, S., Kuntsche, S., Greenfield, T. K., Wilsnack, R., Kristjanson, A., & Bloomfield, K. (2019). A multilevel analysis of regional and gender differences in the drinking behavior of 23 countries. *Substance Use & Misuse*, <https://www.tandfonline.com/doi/full/10.1080/10826084.2019>.

Richard Wilsnack

1. Grittner, U., Wilsnack, S., Kuntsche, S., Greenfield, T. K., Wilsnack, R., Kristjanson, A., & Bloomfield, K. (2019). A multilevel analysis of regional and gender differences in the drinking behavior of 23 countries. *Substance Use & Misuse*, <https://www.tandfonline.com/doi/full/10.1080/10826084.2019>.

SURGERY

Total Publications: 23

1. Dyke CM, Benz CL, Taggart CM, Klug MG, Basson MD. Systolic and diastolic blood pressure variability as risk factors for adverse events after coronary artery bypass grafting. *JAMA Surgery*. 154(1):92-94, 2019.
2. Lancaster I, Basson MD. What skills do clinical evaluators value most in oral case presentations? *Teaching and Learning in Medicine*. 31(2):129-135, 2019.
3. Basson MD. Decision-making in colostomy closure: Acceptable vs. optimal safety and selection vs. bias. *JAMA Surgery*. 154 (3), 224-224, 2019
4. More SK, Vomhof-DeKrey EE, Basson MD. ZINC4085554 inhibits cancer cell adhesion by interfering with the interaction of Akt1 and FAK. *Oncology Letters*. 17(6):5251-5260, 2019.
5. Yang Y, Zeng B, Sun Z, Esfahani AM, Hou J, Jiao ND, Liu L, Chen L, Basson MD, Dong L, Yang R, Xi N. Optimization of protein-protein interaction measurements for drug discovery using AFM force spectroscopy. *IEEE Trans Nanotechnology*. 18(1):509-517, 2019.
6. Chaturvedi LS, Wang Q, More SK, Vomhof-DeKrey EE, Basson MD. Schlafen 12 mediates the effects of butyrate and repetitive mechanical deformation on intestinal epithelial differentiation in human Caco-2 intestinal epithelial cells. *Human Cell*. 32(3):240-250, 2019.
7. Pan W, Roccabianca S Basson MD, Bush T. Influences of sodium and glycosaminoglycans on skin oedema and the potential for ulceration: A finite element approach. *Royal Society Open Science*. R. Soc. open sci. 6: 182076, 2019. <http://dx.doi.org/10.1098/rsos.182076>
8. Vomhof-DeKrey EE, Lee J, Lansing J, Brown C, Darland D, Basson MD. Schlafen 3 knockout mice display gender-specific differences in weight gain, food efficiency, and expression of markers of intestinal epithelial differentiation, metabolism, and immune cell function. *PLoS ONE* 14(7): e0219267, 2019 .<https://doi.org/10.1371/journal.pone.0219267>
9. Downey-Biechler C, Craig DH, More SK, Basson, MD. Inside-out signaling through FAK-integrin axis may regulate circulating cancer cell metastatic adhesion. (Letter) *PNAS* 116(40):19795-19796, 2019.
10. Wang Q, More SK, Vomhof-DeKrey EE, Golovko MY, Basson MD. Small molecule FAK activator promotes human intestinal epithelial monolayer wound closure and mouse ulcer healing. *Scientific Reports*. 9:14669. 2019 | <https://doi.org/10.1038/s41598-019-51183-z2019>. <https://rdcu.be/bT1kk>.

11. Al-Marsoum S, Vomhof-DeKrey E, Basson MD. Schlafen¹² reduces the aggressiveness of triple negative breast cancer through post-transcriptional regulation of ZEB1 that drives stem cell differentiation. *Cellular Physiol Biochem*. 53:999-1014, 2019.
12. Dyke C, Klug M, Haldis T, Basson M. Blood pressure variability adversely affects outcomes after percutaneous coronary intervention. *J Am Coll Cardiol* 73(9):199, 2019.
13. Wang Q, More S, Vomhof-DeKrey E, Basson MD. FAK activators promote intestinal mucosal healing. *Gastroenterology* 156(6): S-65, 2019.
14. Vomhof-DeKrey E, Basson MD. Novel Population Subsets of Tcr β HI TH17, TCR β HI IL-10+ INKT, and CD11BHI CD103MID Dendritic Cells Expand After end-to-end or Roux-EN-Y Anastomoses. *Gastroenterology* 156(6):S-1145, 2019.
15. Vomhof-DeKrey E, Lee J, Lansing J, Brown CC, Basson MD. Schlafen 3 Knockout Mice Display Gender-Specific Differences in Weight Gain, Food Efficiency, and Expression of Markers of Intestinal Epithelial Differentiation, Metabolism, and Immune Cell Function. *Gastroenterology* 156 (6):S-963, 2019
16. Dyke C, Klug M, Haldis T, Basson M. Blood pressure variability adversely affects outcomes after percutaneous coronary intervention. *J Am Coll Cardiol*. 73(9, Suppl 1), March 2019. DOI: 10.1016/S0735-1097(19)30807-1.
17. Dixon, M, Engum, S. Pediatric Trauma System Evaluation Before and After Level 2 Verification. *American Surgeon Journal*. 1281-1287(7), November 11, 2019. PMID 31775972
18. Benz CL, Dyke, C. Predicting Outcomes in NSCLC: Staging or Biology or Both? *Journal of Investigative Surgery*. September 1, 2019. DOI: 10.1080/08941939.2019.1654048. PMID 31475850.
19. Tyler Bilden, PharmD; Katherine Benedict, MD; Jaron McMullin, MD. Intraoperative Frozen Section Analysis for the Excision of Non-Melanoma Skin Cancer: A Single-Center Experience. *The American Surgeon Journal*. 85(12):1397-1401. December 1, 2019. PMID 31908225
20. Bouton M, Marsh J. Masson's Tumor of the Breast: Rare Differential for New or Recurrent Breast Cancer. Case Report, Pathology, and Review of the Literature. *The Breast Journal Manuscript* TBF-00531-2019. September 20, 2019. DOI: 10.1111/tbj.13608. PMID 31538368
21. Dyke C. Serial Changes in Pulmonary Function Testing in a Patient with Tracheobronchial Amyloidosis: Relevance for Early Diagnosis. *Journal of Integrative Cardiology Open Access*. August 2019. doi: 10.31487/j.JICOA.2019.03.03
22. Dyke C. Disparities in Secondary Prevention of Atherosclerotic Heart Disease After Coronary Artery Bypass Grafting in Northern Plains American Indians. *Health Equity*. October 2019. DOI: 10.1089/heq.2019.0030. PMID 3165939
23. Dyke C. A Multicenter, Prospective, Controlled Clinical Trial of Surgical Stabilization of Rib Fractures in Patients with Severe, Non-flail Fracture Patterns. *Journal of Trauma and Acute Care Surgery*. December 2019. DOI: 10.1097/TA.0000000000002559. PMID 31804414