

Scholarship Reporting – 2020

BIOMEDICAL SCIENCES

Total publications: 76

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

1. Basson MD.
Better Quality Metrics Could Illuminate Quality-Efficiency Tradeoffs in Operating Room Management.
J Invest Surg. 2020 Mar;33(3):271-272. doi: 10.1080/08941939.2018.1493552. Epub 2018 Oct 31.
2. Xu, Huiting, Xiang, Menglan, Fu, Qiang, Xie, L.
Tbx5 inhibits hedgehog signaling in determination of digit identity.
Hum Mol Genet. 2020 Jun 3;29(9):1405-1416. doi: 10.1093/hmg/ddz185.
3. Rakoczy S, Brown-Borg HM.
Multifactorial Attenuation of the Murine Heat Shock Response With Age.
J Gerontol A Biol Sci Med Sci. 2020 Sep 25;75(10):1846-1852. doi: 10.1093/gerona/glz204
4. Lakpa KL, Halcrow PW, Chen X, Geiger JD.
Loss of Schlafen3 influences the expression levels of Schlafen family members in ileum, thymus, and spleen tissue.
Adv Exp Med Biol. 2020;1131:681-697. doi: 10.1007/978-3-030-12457-1_27. Review.
5. Afghah Z, Chen X, Geiger JD.
Role of endolysosomes and inter-organellar signaling in brain disease.
Neurobiol Dis. 2020 Feb;134:104670. doi: 10.1016/j.nbd.2019.104670. Epub 2019 Nov 9. Review.
6. Wu M.
Targeting folate receptor β positive tumor-associated macrophages in lung cancer with a folate-modified liposomal complex.
Colloids Surf B Biointerfaces. 2020 Jan 1;185:110616. doi: 10.1016/j.colsurfb.2019.110616. Epub 2019 Nov 5.
7. Golovko M, Khan N, Geiger JD.
My Tenure as Editor-in-Chief of Lipids: What I Learned.
EBioMedicine. 2020 Jan;51:102503. doi: 10.1016/j.ebiom.2019.10.029. Epub 2019 Dec 3.
8. Seeger DR, Golovko SA, Golovko MY.
Impact Factor vs Integrity Factor: Which Siren Should Be Our Guide?
Lipids. 2020 Jan;55(1):79-85. doi: 10.1002/lipd.12205. Epub 2019 Dec 8.
9. Guo K, Hur J.
Integrated lipidomic and transcriptomic analyses identify altered nerve triglycerides in mouse models of prediabetes and type 2 diabetes.
Dis Model Mech. 2020 Jan 24;13(2):dmm042101. doi: 10.1242/dmm.042101.

10. Golovko MY.
COX-2-derived prostaglandins as mediators of the deleterious effects of nicotine in chronic kidney disease.
Am J Physiol Renal Physiol. 2020 Feb 1;318(2):F475-F485. doi: 10.1152/ajprenal.00407.2019.
Epub 2019 Dec 16.
11. Shetty M, Henry LK.
Taurine treatment of retinal degeneration and cardiomyopathy in a consanguineous family with SLC6A6 taurine transporter deficiency.
Hum Mol Genet. 2020 Mar 13;29(4):618-623. doi: 10.1093/hmg/ddz303.
12. O'Donnell KL, Knopick PL, Larsen R, Sarkar S, Nilles ML, Bradley DS.
Difference in Strain Pathogenicity of Septicemic *Yersinia pestis* Infection in a TLR2^{-/-} Mouse Model.
Infect Immun. 2020 Feb 20;88(3). pii: e00792-19. doi: 10.1128/IAI.00792-19. Print 2020 Feb 20
13. Vaughan RA.
Old neurochemical markers, new functional directions?: An Editorial for 'Distinct gradients of various neurotransmitter markers in caudate nucleus and putamen of the human brain' on page 650.
J Neurochem. 2020 Mar;152(6):623-626. doi: 10.1111/jnc.14929. Epub 2020 Jan 9
14. Cui L, Pu Q, Wu M.
Bioenergetic adaptations to HIV infection. Could modulation of energy substrate utilization improve brain health in people living with HIV-1? *Pathogens*. 2020 Jan 10;9(1). pii: E53. doi: 10.3390/pathogens9010053.
15. Khan N, Halcrow PW, Lakpa KL, Afghah Z, Miller NM, Chen X, Geiger JD.
Two-pore channels regulate Tat endolysosome escape and Tat-mediated HIV-1 LTR transactivation.
FASEB J. 2020 Mar;34(3):4147-4162. doi: 10.1096/fj.201902534R. Epub 2020 Jan 16
16. Brown-Borg HM.
Difference in strain pathogenicity of a septicemic *Yersinia pestis* infection in a TLR2^{-/-} mouse model.
J Gerontol A Biol Sci Med Sci. 2020 Jan 20;75(2):205-206. doi: 10.1093/gerona/glz170. No abstract available.
17. Murphy EJ.
Blood-Brain Barrier Is the Major Site for a Rapid and Dramatic Prostanoid Increase upon Brain Global Ischemia.
Lipids. 2020 Jan;55(1):5-6. doi: 10.1002/lipd.12214. No abstract available.
18. Murphy EJ.
Circulating levels of ATP is a biomarker of HIV cognitive impairment.
Lipids. 2020 Jan;55(1):3-4. doi: 10.1002/lipd.12215. No abstract available.
19. Brown-Borg HM.
Probing Pedomorphy and Prolonged Lifespan in Naked Mole-Rats and Dwarf Mice.
Physiology (Bethesda). 2020 Mar 1;35(2):96-111. doi: 10.1152/physiol.00032.2019
20. Vomhof-DeKrey EE, Basson MD.
Readily Releasable Stores of Calcium in Neuronal Endolysosomes: Physiological and Pathophysiological Relevance. *PeerJ*. 2020 Jan 28;8:e8461. doi: 10.7717/peerj.8461. eCollection 2020.

21. Takaku M.
Exploring histone loading on HIV DNA reveals a dynamic nucleosome positioning between unintegrated and integrated viral genome.
Proc Natl Acad Sci U S A. 2020 Mar 24;117(12):6822-6830. doi: 10.1073/pnas.1913754117. Epub 2020 Mar 11.
22. Takaku M, DeKumar.
Cancer-specific mutation of GATA3 disrupts the transcriptional regulatory network governed by Estrogen Receptor alpha, FOXA1 and GATA3.
Nucleic Acids Res. 2020 May 21;48(9):4756-4768. doi: 10.1093/nar/gkaa179.
23. Wu M.
SHIP-1 Regulates Phagocytosis and M2 Polarization Through the PI3K/Akt-STAT5-Trib1 Circuit in Pseudomonas aeruginosa Infection.
Front Immunol. 2020 Mar 18;11:307. doi: 10.3389/fimmu.2020.00307. eCollection 2020.
24. Wu M.
Applications of genome editing technology in the targeted therapy of human diseases: mechanisms, advances and prospects.
Signal Transduct Target Ther. 2020 Jan 3;5:1. doi: 10.1038/s41392-019-0089-y. eCollection 2020.
25. Wu M.
Targeting folate receptor β positive tumor-associated macrophages in lung cancer with a folate-modified liposomal complex.
Signal Transduct Target Ther. 2020 Jan 22;5(1):6. doi: 10.1038/s41392-020-0115-0.
26. Wu M.
Alteration of protein homeostasis mediates the interaction of Pseudomonas aeruginosa with Staphylococcus aureus. Mol Microbiol. 2020 Sep;114(3):423-442. doi: 10.1111/mmi.14519. Epub 2020 May 8.
27. Khan N, Chen X, Geiger JD.
Role of Divalent Cations in HIV-1 Replication and Pathogenicity. Viruses
28. Tulin A, Divan A.
Structurally unique PARP-1 inhibitors for the treatment of prostate cancer.
Pharmacol Res Perspect. 2020;8(2):e00586. doi:10.1002/prp2.586
29. Pan Gao, Jacob Schettler, Kai Guo, Wu M .
CRISPR-Cas13 Inhibitors Block RNA Editing in Bacteria and Mammalian Cells.
Mol Cell. 2020;78(5):850-861.e5. doi:10.1016/j.molcel.2020.03.033
30. Shugang Qin, Qinqin Pu, Zhihan Wang, Wu M.
Apolipoprotein E in Asthmatic Inflammatory Response: Friend or Foe?.
Am J Respir Cell Mol Biol. 2020 Aug;63(2):141-143. doi: 10.1165/rcmb.2020-0106ED.
31. Carlson EC.
Endothelial Overexpression of Metallothionein Prevents Diabetes-Induced Impairment in Ischemia Angiogenesis Through Preservation of HIF-1 α /SDF-1/VEGF Signaling in Endothelial Progenitor Cells.

- Diabetes. 2020 Aug;69(8):1779-1792. doi: 10.2337/db19-0829. Epub 2020 May 13.
32. Golovko S, Golovko M, Combs CK.
Probiotics ameliorate intestinal pathophysiology in a mouse model of Alzheimer's disease.
Neurobiol Aging. 2020 Aug;92:114-134. doi: 10.1016/j.neurobiolaging.2020.04.009. Epub 2020 Apr 18.
 33. Singh BB, Ohm J, Quenum Zanbede FO, Chauhan P, Mishra BB.
Decrease in alpha-1 antiproteinase antitrypsin is observed in primary Sjogren's syndrome condition.
Autoimmunity. 2020 Aug;53(5):270-282. doi: 10.1080/08916934.2020.1768376. Epub 2020 May 25.
 34. Hu B, Boyle CA, Lei S.
Oxytocin receptors excite lateral nucleus of central amygdala by phospholipase C β - and protein kinase C-dependent depression of inwardly rectifying K⁺ channels.
J Physiol. 2020 Aug;598(16):3501-3520. doi: 10.1113/JP279457. Epub 2020 Jun 14.
 35. Hur J.
Cytoplasmic TDP43 Binds microRNAs: New Disease Targets in Amyotrophic Lateral Sclerosis.
Front Cell Neurosci. 2020 May 12;14:117. doi: 10.3389/fncel.2020.00117. eCollection 2020.
 36. Golovko S, Golovko M.
In Vivo Generation of PFOA, PFOS, and Other Compounds From Cationic and Zwitterionic Per- And Polyfluoroalkyl Substances in a Terrestrial Invertebrate (*Lumbricus terrestris*).
Environ Sci Technol. 2020 Jun 16;54(12):7378-7387. doi: 10.1021/acs.est.0c01644. Epub 2020 Jun 1
 37. Wu M.
miR-410 Induces Both Epithelial-Mesenchymal Transition and Radioresistance Through Activation of the PI3K/mTOR Pathway in Non-Small Cell Lung Cancer.
Signal Transduct Target Ther. 2020 Jun 12;5(1):85. doi: 10.1038/s41392-020-0182-2
 38. Haage, A.
A survey-based analysis of the academic job market.
Elife. 2020 Jun 12;9:e54097. doi: 10.7554/eLife.54097.
 39. Hur J.
CIDO, a community-based ontology for coronavirus disease knowledge and data integration, sharing, and analysis. Sci Data. 2020 Jun 12;7(1):181. doi: 10.1038/s41597-020-0523-6.
 40. Schmit T, Mathur R, Barnhardt T, Ambigipathy G, Wu M, Combs CK, Khan MN.
IL-6 Deficiency Exacerbates Allergic Asthma and Abrogates the Protective Effect of Allergic Inflammation against *Streptococcus pneumoniae* Pathogenesis.
J Immunol. 2020 Jul 15;205(2):469-479. doi: 10.4049/jimmunol.1900755. Epub 2020 Jun 15.
 41. Haage, A.
Precise coordination of cell-ECM adhesion is essential for efficient melanoblast migration during development.
Development. 2020 Jul 17;147(14):dev184234. doi: 10.1242/dev.184234.
 42. Kaur H, Golovko S, Golovko MY, Combs CK.
Effects of Probiotic Supplementation on Short Chain Fatty Acids in the AppNL-G-F Mouse Model of Alzheimer's

Disease. *J Alzheimers Dis.* 2020;76(3):1083-1102. doi: 10.3233/JAD-200436.

43. Chen X, Geiger JD.
Janus sword actions of chloroquine and hydroxychloroquine against COVID-19.
Cell Signal. 2020 Sep;73:109706. doi: 10.1016/j.cellsig.2020.109706. Epub 2020 Jul 3.
44. Thompson D, Sorenson J, Greenmyer J, Brissette CA, Watt J.
The Lyme disease bacterium, *Borrelia burgdorferi*, stimulates an inflammatory response in human choroid plexus epithelial cells.
PLoS One. 2020 Jul 9;15(7):e0234993. doi: 10.1371/journal.pone.0234993. eCollection 2020.
45. Meyer M, Combs C.
Interprofessional Management of Median Arcuate Ligament Syndrome (Dunbar Syndrome) Related to Lumbar Lordosis and Hip Dysplasia: A Patient's Perspective.
Eur J Case Rep Intern Med. 2020 Apr 16;7(7):001605. doi: 10.12890/2020_001605.
46. Basson MD.
Primary care visits increase utilization of evidence-based preventative health measures.
BMC Fam Pract. 2020 Jul 28;21(1):151. doi: 10.1186/s12875-020-01216-8.
47. Sohrabi M, Floden A, Combs CK.
IGF-1R Inhibitor Ameliorates Neuroinflammation in an Alzheimer's Disease Transgenic Mouse Model.
Front Cell Neurosci. 2020 Jul 3;14:200. doi: 10.3389/fncel.2020.00200. eCollection 2020.
48. Wu M.
Targeted therapies in gynecological cancers: a comprehensive review of clinical evidence.
Signal Transduct Target Ther. 2020 Jul 29;5(1):137. doi: 10.1038/s41392-020-0199-6.
49. Wu M.
A Novel Cochlioquinone Derivative, CoB1, Regulates Autophagy in *Pseudomonas aeruginosa* Infection through the PAK1/Akt1/mTOR Signaling Pathway.
J Immunol. 2020 Sep 1;205(5):1293-1305. doi: 10.4049/jimmunol.1901346. Epub 2020 Aug 3.
50. Brown-Borg HM.
A summary of the Proceedings of the Fourteenth International Symposium on the Neurobiology and Neuroendocrinology of Aging, Bregenz, Austria July 15-20, 2018..
Geroscience. 2020 Oct;42(5):1195-1198. doi: 10.1007/s11357-020-00234-9. Epub 2020 Aug 11.
51. Guo K, Hur J.
Genome-wide profiling of DNA methylation and gene expression identifies candidate genes for human diabetic neuropathy.
Clin Epigenetics. 2020 Aug 12;12(1):123. doi: 10.1186/s13148-020-00913-6.
Erratum in: *Clin Epigenetics.* 2020 Aug 27;12(1):130.
52. Takaku M.
Interaction of the pioneer transcription factor GATA3 with nucleosomes. Interaction of the pioneer transcription factor GATA3 with nucleosomes.

Nat Commun. 2020 Aug 18;11(1):4136. doi: 10.1038/s41467-020-17959-y.

53. Milvetz B.
Differential SP1 interactions in SV40 chromatin from virions and minichromosomes.
Virology. 2020 Sep;548:124-131. doi: 10.1016/j.virol.2020.06.012. Epub 2020 Jun 26.
54. Wu M.
Human-viral chimera: a novel protein affecting viral virulence and driving host T-cell immunity.
Signal Transduct Target Ther. 2020;5(1):167. Published 2020 Aug 25. doi:10.1038/s41392-020-00272-x
55. Wu M.
Correction: A novel cancer vaccine with the ability to simultaneously produce anti-PD-1 antibody and GM-CSF in cancer cells and enhance Th1-biased antitumor immunity.
Signal Transduct Target Ther. 2019 Aug 28;4(1):31. doi: 10.1038/s41392-019-0065-6.
Erratum for: Signal Transduct Target Ther. 2016 Nov 18;1:16025.
56. Gao P, Guo K, Pu Q, Wang Z, Lin P, Qin S, Khan N, Hur J, Wu M.
oprC Impairs Host Defense by Increasing the Quorum-Sensing-Mediated Virulence of *Pseudomonas aeruginosa*.
Front Immunol. 2020 Aug 4;11:1696. doi: 10.3389/fimmu.2020.01696.
57. Guo K, Hur J.
Correction to: Genome-wide profiling of DNA methylation and gene expression identifies candidate genes for human diabetic neuropathy.
Clin Epigenetics. 2020 Aug 27;12(1):130. doi: 10.1186/s13148-020-00922-5.
Erratum for: Clin Epigenetics. 2020 Aug 12;12(1):123.
58. Hur J.
Machine Learning-Based Predictive Modeling of Postpartum Depression.
J Clin Med. 2020 Sep 8;9(9):E2899. doi: 10.3390/jcm9092899.
59. Hur J.
Atypical endometriosis is related to a higher recurrence rate.
Eur J Obstet Gynecol Reprod Biol. 2020 Nov;254:44-51. doi: 10.1016/j.ejogrb.2020.08.054. Epub 2020 Sep 6.
60. Hur J.
Untargeted metabolomics yields insight into ALS disease mechanisms.
J Neurol Neurosurg Psychiatry. 2020 Sep 14:jnnp-2020-323611. doi: 10.1136/jnnp-2020-323611.
61. Shugang Qin, Lin P, Wu Q, Qinqin Pu, Gao P, Wang Z, Gao A, Overby, M, Wu M.
Small-Molecule Inhibitor of 8-Oxoguanine DNA Glycosylase 1 Regulates Inflammatory Responses during *Pseudomonas aeruginosa* Infection.
J Immunol. 2020 Oct 15;205(8):2231-2242. doi: 10.4049/jimmunol.1901533. Epub 2020 Sep 14.
62. Al-Marsoum S, Pacella J, Dockter K, Soderberg M, Vomhof-DeKrey EE, Basson MD.
Schlafen 12 Is Prognostically Favorable and Reduces C-Myc and Proliferation in Lung Adenocarcinoma but Not in Lung Squamous Cell Carcinoma. *Cancers (Basel)*.
2020 Sep 24;12(10):E2738. doi: 10.3390/cancers12102738.

63. Nagamoto-Combs K.
Region-specific regulation of central histaminergic H3 receptor expression in a mouse model of cow's milk allergy. *Brain Res.* 2020 Dec 15;1749:147148. doi: 10.1016/j.brainres.2020.147148. Epub 2020 Oct 6.
64. Zhou CM, Pu Q, Wu Q, Tan S, Li R, Wu M.
"Pseudomonas aeruginosa Regulatory Protein AnvM Controls Pathogenicity in Anaerobic Environments and Impacts Host Defense".
mBio. 2020 Oct 13;11(5):e02368-20. doi: 10.1128/mBio.02368-20. Erratum for: *mBio.* 2019 Jul 23;10(4):
65. Tulin A,
Novel allosteric PARP1 inhibitors for the treatment of BRCA-deficient leukemia.
Med Chem Res. 2020 Jun;29(6):962-978. doi: 10.1007/s00044-020-02537-0. Epub 2020 Apr 19.
66. Murphy EJ. Randy Weselake: Celebrating a Gentleman Scholar Contributing across a Wide Spectrum of Lipid Biochemistry. *Lipids.* 2020 Sep;55(5):415-417. doi: 10.1002/lipd.12284.
67. Nookala S, Mukundan S, Kotb M,.
Systems Genetics Approaches in Mouse Models of Group A Streptococcal Necrotizing Soft-Tissue Infections.
Adv Exp Med Biol. 2020;1294:151-166. doi: 10.1007/978-3-030-57616-5_10.
68. Huang T, Qinqin Pu, Zhou C, Lin P, Gao P, Wu M.
MicroRNA-302/367 Cluster Impacts Host Antimicrobial Defense via Regulation of Mitophagic Response Against *Pseudomonas aeruginosa* Infection.
Front Immunol. 2020 Oct 7;11:569173. doi: 10.3389/fimmu.2020.569173.
69. Khan MN.
Editorial: Cross-Talk Between Inflammation and Barrier Framework at Mucosal Surfaces in the Lung: Implications for Infections and Pathology.
Front Immunol. 2020 Sep 29;11:598533. doi: 10.3389/fimmu.2020.598533.
70. Wu M.
Mutation-induced remodeling of the BfmRS two-component system in *Pseudomonas aeruginosa* clinical isolates. *Sci Signal.* 2020 Nov 3;13(656):eaaz1529. doi: 10.1126/scisignal.aaz1529.
71. Smith NA, Nagamoto-Combs K.
Induction of Hypersensitivity with Purified Beta-Lactoglobulin as a Mouse Model of Cow's Milk Allergy.
Methods Mol Biol. 2021;2223:67-78. doi: 10.1007/978-1-0716-1001-5_5
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Isotype-Specific Detection of Serum Immunoglobulins Against Allergens.
Methods Mol Biol. 2021;2223:159-167. doi: 10.1007/978-1-0716-1001-5_12.
73. Schmit T, Klomp M, Khan MN.
An Overview of Flow Cytometry: Its Principles and Applications in Allergic Disease Research.
Methods Mol Biol. 2021;2223:169-182. doi: 10.1007/978-1-0716-1001-5_13.
74. Schmit T, Klomp M, Khan MN.
The Application of Flow Cytometry for Simultaneous and Multi-parametric Analysis of Heterogenous Cell

Populations in Basic and Clinical Research.
 Methods Mol Biol. 2021;2223:183-200. doi: 10.1007/978-1-0716-1001-5_14.

75. Lin P, Wu M.
 Fossicking for microbial defense system: novel antiviral immunity.
 Signal Transduct Target Ther. 2020 Nov 27;5(1):281. doi: 10.1038/s41392-020-00423-0

76. Wu M.
 Sustained research fund and dedicated research center for preparing next pandemic.
 Precis Clin Med. 2020;pbaa012. Published 2020 Apr 11. doi:10.1093/pcmedi/pbaa012

FAMILY & COMMUNITY MEDICINE

Total Publications: 41

Publications from the past year (including accepted pending publication); excluding posters per criteria for this report.

James Beal	1. Storandt MH, Walden CD, Sahmoun AE and Beal JR . Trends and Risk Factors in the Antibiotic Management of Skin and Soft Tissue Infections in the United States. <i>Journal of Dermatological Treatment</i> . 2020 Dec 2;1-15. doi: 10.1080/09546634.2020.1859442. Online ahead of print. 2020.
	2. Spagnolia A, Beal JR , Sahmoun AE. Differences in Clinical Management and Outcomes of American Indian and White Women Diagnosed With Endometriosis. <i>Journal of Family and Reproductive Health</i> . 2020 June; 14(2): 74-80. 2020.
	3. Greenmyer JR, Stacy JM, Sahmoun AE, Beal JR , Diri E. DAS28-CRP cut-offs for high disease activity and remission are lower than DAS28-ESR in rheumatoid arthritis. <i>ACR Open Rheumatology</i> . 2020 Sep;2(9):507-511. doi: 10.1002/acr2.11171. Epub 2020 Aug 29.
Bryan Delage and Kamille Sherman and Eric Johnson	1. Delage B, Sherman K , Halaas G, Johnson E . Getting the predoc back into documentation: students as scribes during their clerkship. <i>Family medicine</i> . 2020;52(4):291-4. 2020.
Jeffrey Hostetter	1. Hostetter, J. , Schwarz, N., Klug, M. <i>et al</i> . Primary care visits increase utilization of evidence-based preventative health measures. <i>BMC Fam Pract</i> , 2020 July 28. 21 , 151 (2020). PMID: 32718313. 2020.
Eric Johnson	1. Johnson EL , Kayne DM. Implementation of Diabetes Technologies in Primary Care: Challenges and Rewards. <i>Clinical Diabetes</i> . 2020 Dec; 38 (5): 495-500. https://doi.org/10.2337/cd20-0040 . 2020.
	2. American Diabetes Association (lead editor). Standards of Medical Care in Diabetes—2021 Abridged for Primary Care Providers. <i>Clinical Diabetes</i> . 2020 Dec; https://doi.org/10.2337/cd21-as01 . 2020.
	3. Johnson EL , Vink AI, Vinik EJ. Diabetic Neuropathies (textbook chapter), <i>The Art and Science of Diabetes Education Fifth Edition</i> . Association of Diabetes Care & Education Specialists, Chicago, IL, September 2020. 2020.

	<p>4. Kirley K, Hayer R, Khan T, Johnson E, Sanchez ES, Kosowicz L, Terry V, Henderson D, Krebsbach C, Park YS, Dekhtyar M, Williams BC. (in press). Expanding the traditional history and physical examination to address chronic diseases and social needs: A multi-site randomized control trial of four medical schools. <i>Academic Medicine</i>. 2020;95(11 Suppl). 2020.</p>
	<p>5. Selya A, Johnson EL, Weber TL, Russo J, Stansbury C, Anshutz D, Griese E, Hsu B. Smoking Is Associated With a Higher Risk of Unplanned Medical Visits Among Adult Patients With Diabetes, Using Retrospective Electronic Medical Record Data From 2014 to 2016. <i>BMC Health Serv Res</i> 2020 May 6;20(1):383. doi: 10.1186/s12913-020-05277-4. 2020.</p>
	<p>6. Dekhtyar M, Colford C, Whisenant E, Huber J, Johnson E, Thomas P, Kirley K, Mazzurco L, Dingle AD, Terry V, Rajasekaran S, Barkowski L, Kulkarni-Date M, Henderson D, Wilkerson L. Development of Learning Objectives to Guide Enhancement of Chronic Disease Prevention and Management Curricula in Undergraduate Medical Education. <i>Teach Learn Med</i>. 2020 Feb 24:1-9. doi: 10.1080/10401334.2020.1724791. 2020.</p>
	<p>7. American Diabetes Association. Standards of Medical Care in Diabetes—2020 Abridged for Primary Care Providers. <i>Clinical Diabetes</i> 2020 Jan; 38(1): 10-38. (Lead editor, Chair of workgroup) https://doi.org/10.2337/cd20-as01. 2020.</p>
Minnie Faith	<p>1. George T, Carey RAB, Abraham OC, Sebastian T, Faith M. Trainee doctors in medicine prefer case-based learning compared to didactic teaching. <i>J Family Med Prim Care</i>. 2020;9(2):580-584. 2020.</p>
	<p>2. Faith M, Jared SR, Selvakumar D, Vyas R. Application of horizontal integration module within traditional teaching to enhance active learning of first year allied health science students. <i>Natl J Physiol Pharm Pharmacol</i>. 2020; 10(2): 122-28. doi:10.5455/njppp.2020.10.1035027112019. 2020.</p>
Melissa Naslund	<p>1. Askvig, B., Naslund, M., Borisinkoff, E., & Daigneault, R. (in press). A pilot study of a self-determination curriculum on secondary students. <i>Journal of the American Academy of Special Education Professionals (JAASEP)</i>. 2020.</p>
Nicole Redvers	<p>1. Redvers N, Yellow Bird M, Quinn D, Yunkaporta T, Arabena K. (2020). Molecular Decolonization: A microcosm perspective of planetary health. <i>International Journal of Environmental Research and Public Health</i>. 17(12):4586. https://doi.org/10.3390/ijerph17124586. 2020.</p>
	<p>2. Redvers N, Schultz C, Prince MV, Cunningham M, Jones R, Blondin B. (2020). Indigenous Perspectives on Education for Sustainable Healthcare. <i>Medical Teacher</i>. 42(10). https://doi.org/10.1080/0142159X.2020.1791320. 2020.</p>
	<p>3. Mckimm J, Redvers N, Omrani O, Parkes M, Elf M, Woollard R. (2020). Education for Sustainable Healthcare: Leadership to get there from here. <i>Medical Teacher</i>. 42(10). https://doi.org/10.1080/0142159X.2020.1795104. 2020.</p>
	<p>4. Redvers N, Blondin B. (2020). Traditional Indigenous medicine in North America: A scoping review. <i>PLOS ONE</i>. https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0237531. 2020.</p>

	<p>5. Wabnitz KJ, Gabrysch S, Guinto R, Haines A, Herrmann M, Howard C, Potter T, Prescott S, Redvers N. (2020). A pledge for planetary health, uniting health professionals in the Anthropocene. <i>The Lancet</i>. https://doi.org/10.1016/S0140-6736(20)32039-0. 2020.</p>
	<p>6. Redvers N, Poelina A, Schultz C, Kobei D, Githaiga C, Perdrisat M, Prince D, Blondin B. (2020). <i>Indigenous Natural Laws in Planetary Health. Challenges</i>. 11(2). https://doi.org/10.3390/challe11020029. 2020.</p>
	<p>7. Redvers N, Prince D, Nadeau M. (2020). Urban Land-based Healing: A Northern Intervention Strategy. <i>International Journal of Indigenous Health</i> (copy on file with author). 2020.</p>
	<p>8. Redvers N, Warne D, Chischilly AM, Lyon-Colbert A. (2020). Uranium Exposure in American Indian Communities: Health, Policy, and the Way Forward. <i>Environmental Health Perspectives</i> (copy on file with author). Journal Articles in Progress Updated November 2020.</p>
David Schmitz	<p>1. Stutzman K, Ray Karpen R, Naidoo P, Toevs SE, Weidner A, Baker E, Schmitz D. (accepted 2019, published 2020). Support for rural practice: female physicians and the life-career interface. <i>Rural and Remote Health</i>. 2020; 20: 5341. https://doi.org/10.22605/RRH5341. 2020.</p>
	<p>2. Doubeni, C, Fancher, T, Juarez, P, Riedy, C, Persell, S, Sandvold, I, Schmitz, D, Sochalski, J. (2020). A Framework for Transforming Primary Care Health Care Professions Education and Training to Promote Health Equity. <i>Journal of Health Care for the Poor and Underserved</i>, 31(5), 193-207. 2020.</p>
	<p>3. Glenn, L, Simon, L, Smith, V, Longenecker, R, Schmitz, D, Patterson, D. (2020). Microresearch: Promoting Scholarly Activity That Addresses Health Disparities in Rural Health Professional Education Programs. <i>Journal of Health Care for the Poor and Underserved</i>, 31(5), 1-8. 2020.</p>
	<p>4. Jopson, A, Pollack, S, Schmitz, D, Thompson, M, Harris, D, Bateman, M, Evans, D, Patterson, D. (2020). Promoting Health Careers Among Rural K-16 Students: A Mixed-Method Study to Describe Pathway Programs. <i>Journal of Health Care for the Poor and Underserved</i>, 31(5), 223-259. 2020.</p>
	<p>5. Longenecker, R, Schmitz, D, Pollack, S, Patterson, D. (2020). A Design and Dissemination Studio: Building a Scholarly Community of Practice in Rural Health Professions Education and Training. <i>Journal of Health Care for the Poor and Underserved</i>, 31(5), 9-17. 2020.</p>
	<p>6. Schmitz, D, Evans, D, Andrilla, C, Jopson, A, Longenecker, R, Patterson, D. (2020). Challenges and Best Practices for Implementing Rurally Targeted Admissions in US Medical Schools. <i>Journal of Health Care for the Poor and Underserved</i>, 31(5), 320-331. 2020.</p>
	<p>7. Longenecker, R, Andrilla, C, Jopson, A, Evans, D, Schmitz, D, Larson, E, Patterson, D. (2020). Pipelines to Pathways: Medical School Commitment to Producing a Rural Workforce. <i>The Journal of Rural Health</i>. 2020.</p>
	<p>8. Meyers P, Wilkinson E, Petterson S, Patterson DG, Longenecker R, Schmitz D, Bazemore A. Rural Workforce Years: Quantifying the Rural Workforce Contribution of Family Medicine Residency Graduates. <i>Journal of Graduate Medical Education</i>. 2020 Dec 1;12(6). 2020.</p>

	9. Strasser, S (lead), Schmitz, D , et. al. (of 35 total reviewers). (2020). Retention of the health workforce in rural and remote areas: a systematic review. Geneva: World Health Organization; 2020 (Human Resources for Health Observer Series No. 25). License: CC BY-NC-SA 3.0 IGO. 2020.
Donald Warne	1. Vasquez Guzman CE, Lewis M, Yancey D, Empey A, Metoxen M, Frutos R, Wescott Publications S, Zeisman-Pereyo S, Valenzuela S, Carney PA, Warne D and Brodt E, The Time is Now: Transforming Recruitment and Retention of American Indian and Alaska Native Medical Students Using the Medicine Wheel Model, <i>Journal of Health Sciences & Education</i> , November 2020.
	2. Redvers N, Warne D , Chischilly AM, Lyon-Colbert A. (2020). Uranium Exposure in American Indian Communities: Health, Policy, and the Way Forward. <i>Environmental Health Perspectives</i> (copy on file with author). 2020.
	3. Jackson FM, Rashied-Henry K, Warne DK , et. al., A Prematurity Collaborative Birth Equity Consensus Statement for Mothers and Babies, <i>Maternal and Child Health Journal</i> , June 2020.
	4. Jung P, Warne DK , Integrating the Preventive Medicine Specialty in the Rural and Tribal Public Health Workforce, <i>Preventive Medicine</i> , June 2020.
	5. Tobey M, Armstrong K, Warne DK , The 2019 Partial Government Shutdown and Its Impact on Health Care for American Indians and Alaska Natives. <i>Journal of Health Care for the Poor and Underserved</i> , February 2020.
Siobhan Wescott	1. Vasquez Guzman C, Wescott S , et al. The Time is Now: Transforming Recruitment and Retention of American Indian and Alaska Native Medical Students Using the Medicine Wheel Model. <i>J Health Science & Education</i> . 2020;4(5):1-9. 2020.
	2. Wescott S , Mittelstet B. Three Levels of Autonomy and One Long-Term Solution for Native American Health Care. <i>AMA J Ethics</i> . 2020;22(10):E856-861. <i>Invited</i> . 2020.
	3. Wescott S . The Art of Medicine in an Alaska Native Way. <i>Physician Family</i> . Fall 2020 ed. Madison, WI: American Medical Association Alliance, Inc.; 2020:16-17. 2020.

GERIATRICS

Total Publications: 16

Rachana Trivedi-

1. Rachana Trivedi, Donald Jurivich. A molecular perspective on age-dependent changes to the heat shock axis. *Exp Gerontol*.137:110969. 2020.
2. Donald Jurivich, Gunjan, Manocha, Rachana Trivedi, Mary Lizakowski, Rakoczy Sharlene, Holly Brown – Borg. Multi-factorial attenuation of the murine heat shock response with age . *J Gerontol A Biol Sci Med Sci*. 25; 75 (10):1846-1852, 2020.

JitendraTripathi-

1. Joanna Orysiak, Jitendra K Tripathi, Klaudia K Brodaczewska, Atul Sharma, Konrad Witek, Dariusz Sitkowski, Jadwiga Malczewska-Lenczowska. The impact of physical training on neutrophil

extracellular traps in young male athletes – a pilot study. *Biol Sport.*;38(3):459-464; 2021

2. Sarfuddin Azmi, Neeraj Kumar Verma, Jitendra Kumar Tripathi, Saurabh Srivastava, Devesh Pratap Verma, Jimut Kanti Ghosh. Introduction of cell-selectivity in bovine cathelicidin BMAP-28 by exchanging heptadic isoleucine with the adjacent proline at a non-heptadic position. *Peptide sciences*, pages e24207, Sept 2020.

Donald Jurivich-

1. 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*. 2020 Sep 25;75(10):1846-1852. doi: 10.1093/gerona/glz204. PMID: 31612204
2. A molecular perspective on age-dependent changes to the heat shock axis. Trivedi R, Jurivich DA. *Exp Gerontol*. 2020 Aug;137:110969. doi: 10.1016/j.exger.2020.110969. Epub 2020 May 11.
3. Handgrip strength asymmetry is associated with future falls in older Americans. McGrath R, Clark BC, Cesari M, Johnson C, Jurivich DA. *Aging Clin Exp Res*. 2020 Nov 27. doi: 10.1007/s40520-020-01757-z. Online ahead of print. PMID: 33247424
4. Handgrip Strength Asymmetry Is Associated With Limitations in Individual Basic Self-Care Tasks. Mahoney SJ, Hackney KJ, Jurivich DA, Dahl LJ, Johnson C, McGrath R. *J Appl Gerontol*. 2020 Dec 27:733464820982409. doi: 10.1177/0733464820982409. Online ahead of print. PMID: 33356740
5. 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*. 2020 May;21(5):621-626.e2. doi: 10.1016/j.jamda.2019.10.016. Epub 2019 Nov 27. PMID: 31786197

Gunjan Manocha-

1. Donald A Jurivich, DO, Gunjan D Manocha, PhD, Rachana Trivedi, PhD, Mary Lizakowski, BS, Sharlene Rakoczy, BS, Holly Brown-Borg, PhD, Multifactorial Attenuation of the Murine Heat Shock Response With Age, *The Journals of Gerontology: Series A*, Volume 75, Issue 10, October 2020, Pages 1846–1852, <https://doi.org/10.1093/gerona/glz204>
2. Sohrabi M, Floden AM, Manocha GD, Klug MG and Combs CK (2020) IGF-1R Inhibitor Ameliorates Neuroinflammation in an Alzheimer's Disease Transgenic Mouse Model. *Front. Cell. Neurosci*. 14:200. doi: 10.3389/fncel.2020.00200

Ramkumar Mathur-

Articles.

1. Jain S, Abrham E, Khan MN, Mathur R*. An Account of Immune Senescence in the Clinical Pathophysiology of COVID-19 Infection in Aging. *Aging and Disease*. DOI: 10.14336/AD.2020.1019 (Accepted Date: 20 December 2020)
2. Mathur R, Murugaiyan G, Khan MN. Editorial: Cross-Talk Between Inflammation and Barrier Framework at Mucosal Surfaces in the Lung: Implications for Infections and Pathology. *Frontiers in Immunology*. 2020;11:598533. PMID: 33133108
3. Zhao XF, Liao Y, Alam MM, Mathur R, Feustel P, Mazurkiewicz JE, Adamo MA, Zhu XC, Huang Y. Microglial mTOR is Neuronal Protective and Antiepileptogenic in the Pilocarpine Model of Temporal Lobe Epilepsy. *Journal of Neuroscience*. 2020;40(40):7593-608. PMID: 32868461.
4. Schmit T, Ghosh S, Mathur RK, Barnhardt T, Ambigapathy G, Wu M, Combs C, Khan MN. IL-6 Deficiency Exacerbates Allergic Asthma and Abrogates the Protective Effect of Allergic Inflammation against *Streptococcus pneumoniae* Pathogenesis. *Journal of Immunology*. 2020 Jul 15;205(2):469-479. PMID: 32540994;

Book chapter.

1. Julia Fleecs, Eden Abrham, Mikale Kuntz, M. Nadeem Khan and, Ramkumar Mathur* . Targeting Pathogenic Inflammation for Therapeutic Intervention Against Colon Cancer. Springer nature publication. (Accepted, in press)

INTERNAL MEDICINE

Total Publications: 41

Articles

1. Afzal MR, Ellis CR, Gabriels J, El-Chami M, Amin A, Fanari Z, Delurgio D, John R, Patel A, Haldis TA, Goldstein S, Yakubov S, Daoud E, Hummel J. Percutaneous approaches for retrieval of an embolized or malpositioned left atrial appendage closure device: a multicenter experience. *Heart Rhythm*. 17(9):1545-1553, 2020.
2. Ahn E, Mangat P, Garrett-Mayer E, Halabi S, Dib E, Haggstrom D, Alguire K, Calfa C, Cannon T, Crilley P, Gaba A, Marr A, Sangal A, Thota R, Antonelli K, Islam S, Rygiel A, Bruinooge S, Schilsky R. Palbociclib in Patients With Non–Small-Cell Lung Cancer With CDKN2A Alterations: Results From the Targeted Agent and Profiling Utilization Registry Study. *JCO Precis Oncol*. 4:757-766, 2020.
3. Basson M, Klug M, Newman W, Dyke C. Preoperative outpatient blood pressure variability predicts postoperative mortality, readmission and morbidity after surgery. *Am J Surg*. 220(4):1083-1092, 2020.
4. Bleeker J, Sumey C, Powell S, Steen P, Keppen M, Lohr M, Pillai-Thambi T, Kurniali P, Mazurczak M, Gitau M, Blanchard M, Nowak R, McGraw S, Sticca R, Tuvlin D, Timmerman G. Implementation of a standardized approach to borderline resectable pancreatic cancer in a multisite community oncology program. *Surg Open Sci*. 2(4):25-31, 2020.
5. Bonnerup S, Gitau M, Shafique, K. A rare case of sinonasal lymphoepithelial carcinoma presented with clinically stage IV disease. *Ear Nose Throat J*. Sep 30:145561320955125, 2020.
6. Coll A, Chen M, Taskar P, Rimmington D, Patel S, Tadross J, Cimino I, Yang M, Welsh P, Virtue S, Goldspink D, Miedzybrodzka E, Konopka A, Ruiz Esponda R, Huang J, Tung Y, Rodriguez-Cuenca S, Tomaz R, Harding H, Melvin A, Yeo G, Preiss D, Vidal-Puig A, Vallier L, Nair K, Wareham N, Ron D, Gribble F, Reimann F, Sattar N, Savage D, Allan B, O’Rahilly S. GDF15 mediates the effects of metformin on body weight and energy balance. *Nature*. 578:444-448, 2020.

7. Dybsand L, Hall K, Ulven J, Carson P. Improving Provider Confidence in Addressing the Vaccine-Hesitant Parent: A Pilot Project of 2 Contrasting Communication Strategies. *Clin Pediatr (Phila)*. 59(1):87-91, 2020.
8. Farahbakhsh N, Potter K, Gonzalez-Santiago T, De Benedetto A. Sunless tanner caused persistent hyperpigmented patches on the hands. *Cutis*. 2020; 105(4):E25-E27.
9. Gao A, Matta A. Strongyloides stercoralis infection: a rare cause of acute abdomen. *Cureus*. 12(11):e11470, 2020.
10. Granger D, Rosado-Santos H, Lo TS, Florell S, Shimwella R. Functional impairment of skin appendages due to peripheral nerve involvement by Mycobacterium leprae. *Open Forum Infect Dis*. 7(10):ofaa419, 2020.
11. Greenmyer J, Stacy J, Sahmoun A, Beal J, Diri E. DAS28-CRP cutoffs for high disease activity and remission are lower than DAS28-ESR in Rheumatoid Arthritis. *ACR Open Rheumatol*. 2(9):507-511, 2020.
12. Guduru M, Bendi V, Bebawy M, Bande D, Matta A. Posterior fossa progressive multifocal leukoencephalopathy secondary to rituximab. *Cureus*. 12(10):e10888, 2020.
13. Guerrero D, Sharma A. Chronic infectious complications of recreational urethral sounding with retained foreign body. *Cureus*. 12(8):e9750, 2020.
14. Juntilla T, Alberto N, Winkels M, Greenwood M. Successful reduction of intraocular pressure in a patient with glaucoma secondary to Sturge-Weber Syndrome using a suprachoroidal shunt. *J Curr Glaucoma Pract*. 14(1):43-46, 2020.
15. Khan Suheb MZ, Kouznetsov E, Manchak M, Durrani Q, Drofa A. Vertebral artery sacrifice: Novel strategy in treatment of vertebral artery loop. *World Neurosurg*. 134:280-283, 2020.
16. Kutti-Sridharan G, Vegunta R, Vegunta R, Mohan B, Rokkam V. SARS-CoV2 in different body fluids, risks of transmission, and preventing COVID-19: a comprehensive evidence-based review. *Int J Prev Med*. 11:97, 2020.
17. Li X, Sigworth E, Wu A, Behrens J, Etemad S, Nagpal S, Go R, Wuichet K, Chen E, Rubinstein S, Venepalli N, Tillman B, Cowan A, Schoen M, Maly A, Greer J, Fernandes H, Seifter A, Chen Q, Chowdhery R, Mohan S, Dewdney S, Osterman T, Ambinder E, Buchbinder E, Schwartz C, Abraham I, Rioth M, Singh N, Sharma S, Gibson M, Yang P, Warner J. Seven decades of chemotherapy clinical trials: a pan-cancer social network analysis. *Sci Rep*. 10(1):17536, 2020.
18. Lupu RA, Twedt H, Chavour S, Larson EA. Automated decision support for drug-induced long qt. *S D Med*. 73(3):112-115, 2020.
19. Matta A, Nagabandi A, Bande D. A short case report on ruptured sinus of valsalva aneurysm. *Cureus*. 12(9):e10263, 2020.
20. Matta A. A rare case of erythema gyratum repens associated with esophageal carcinoma. *Cureus*. 12(8):e9971, 2020.
21. McGovern T, Flood A, Carson P. COVID-19 policy-making in a country divided: catholic social teaching as a path to unity. *Linacre Q*. 87(4):407-424, 2020.
22. McGrath R, Vincent B, Peterson M, Jurivich D, Dahl L, Hackney K, Clark B. Weakness may have a causal association with early mortality in older Americans. *J Am Med Dir Assoc*. 21(5):621-626, 2020.
23. Melquist S, Estep K, Aleksandrovich Y, Lee A, Beiseker A, Hamedani FS, Bassett J. COVID-19 presenting as fulminant hepatic failure: A case report. *Medicine (Baltimore)*. 99(43):e22818, 2020.

24. Montgomery A, Ottenbacher R. Battlefield acupuncture for chronic pain management in patients on long-term opioid therapy. *Med Acupunct*. 32(1):38-44, 2020.
25. Montgomery A, Hammer K, Nelson C, Lo T, Guerrero D. Effect of pulsed-xenon ultraviolet light on environmental contamination and risk of health care worker hand contamination. *Am J Infect Control*. In Press.
26. Montgomery A, Hammer K, Lo TS. Longitudinal study on the detection of *Clostridioides difficile* at the Fargo Veteran Affairs Community Living Center. *Am J Infect Control*. 48(7):843-845, 2020.
27. Petry N, Montgomery A, Hammer K, Lo TS. Methicillin-resistant *Staphylococcus aureus* (MRSA) screening upon inpatient hospital admission: Is there concordance between nasal swab results and samples taken from skin and soft tissue? *Infect Control Hosp Epidemiol*. 41(11):1298-1301, 2020.
28. Phadke G, Kaushal A, Tolan D, Hahn K, Jensen T, Bjornstad P, Jimenez-Roncal C, Hernando A, Lanaspas M, Alexander M, Kukla A, Johnson R. Osmotic nephrosis and acute kidney injury associated with SGLT2 inhibitor use: A case report. *Am J Kidney Dis*. 76(1):144-147, 2020.
29. Powell S, Gold K, Gitau M, Sumey C, Lohr M, McGraw S, Nowak R, Jensen A, Blanchard M, Fischer C, Bykowski J, Ellison C, Black L, Thompson P, Callejas-Valera J, Lee J, Cohen E, Spanos W. Safety and efficacy of pembrolizumab with chemoradiotherapy in locally advanced head and neck squamous cell carcinoma: a phase IB study. *J Clin Oncol*. 38(21):2427-2437, 2020.
30. Rodrigues J, Fernandes H, Caruthers C, Braddock S, Knutsen A. Cohen syndrome: report of a novel VPS13B (COH 1) mutation. *World Allergy Organ J*. 13(8):100333, 2020.
31. Rokkam V, Vegunta R, Prudhvi K, Vegunta R, Kotagiri R, Boregowda U, Sridharan G. "Weighing" the risks and benefits—Thromboprophylaxis challenges in obese COVID-19 patients. *Obes Med*. 19:100284, 2020.
32. Routray C, Nwaigwe C. Sternal osteomyelitis secondary to *Aspergillus fumigatus* after cardiothoracic surgery. *Med Mycol Case Rep*. 28:16-19, 2020.
33. Skoy E, Kelsch M, Hall K, Choi B, Carson P. Increasing adult immunization rates in a rural state through targeted pharmacist education. *J Am Pharm Assoc*. 60(6):e301-e306, 2020.
34. Spagnolia A, Beal J, Sahmoun A. Differences in clinical management and outcomes of American Indian and white women diagnosed with endometriosis. *J Family Reprod Health*. 14(2):78-80, 2020.
35. Sridharan G, Vegunta R, Rokkam V, Aravamudan V, Vegunta R, Khan S, Ponnada S, Boregowda U, Prudhvi K, Chamarthi G, Mohan B. Venous thromboembolism in hospitalized COVID-19 patients. *Am J Ther*. 27(6):e599-e610, 2020.
36. Storandt M, Matta A. Acute eosinophilic pneumonia: A rare complication of daptomycin therapy. *Cureus*. 12(1):e6803, 2020.
37. Storandt M, Thondapi C, Matta A. Diabetic myonecrosis: An uncommon complication of a common condition. *Eur J Case Rep Intern Med*. 7(3):001389, 2020.
38. Storandt M, Walden C, Sahmoun A, Beal J. Trends and risk factors in the antibiotic management of skin and soft tissue infections in the United States. *J Dermatol Treat*. In Press.
39. Xie H, Lafky JM, Morlan BW, Stella P, Dakhil S, Gross GG, Loui W, Hubbard J, Alberts S, Grothey A. Dual VEGF inhibition with sorafenib and bevacizumab as salvage therapy in metastatic colorectal cancer: results of the phase II north central cancer treatment group study N054C (Alliance). *Ther Adv Med Oncol*. 12:1758835920910913, 2020.

Book Chapters

1. Allen J. How to prepare for a simulation session (instructor and learner). Pages 235-252. In: Carstens MS, Paulman P, Paulman A, Stanton M, Monaghan B, Dekker D, ed. *Comprehensive Healthcare Simulation: Mobile Medical Simulation*. Springer. Cham, Switzerland. 2020.
2. Mariani P, Lo T. Simplifying or switching antiretroviral therapy in treatment-experienced adults living with HIV. Pages 9-16. In: Litchkofski R, ed. *Hospital Physician: Infectious Diseases Board Review Manual: Part 2*. Frontline Medical Communications. 2020.

NEUROLOGY

Total Publications: 49

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 10/2019Local (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: 24

Manuscripts:

Metric: # of publications annually. Each department should track and trend this annually and report to Senior Associate Dean for Medicine and Research.

1. Cottengim C, Parks S, Rhoda D, Andrew T, Nolte KB, Fudenberg J, Sens MA, Brustrom J, Payn B, Shapiro-Mendoza CK. [Protocols, practices, and needs for investigating sudden unexpected infant deaths](#). Forensic Sci Med Pathol, 2020 Mar;16(1):91-98. doi: 10.1007/s12024-019-00196-1 PMID: 31741206
2. Elliott AJ, Kinney HC, Haynes RL, Dempers JD, Wright C, Fifer WP, Angal J, Boyd TK, Burd L, Burger E, Folkerth RD, Groenewald C, Hankins G, Hereld D, Hoffman HJ, Holm IA, Myers MM, Nelsen LL, Odendaal HJ, Petersen J, Randall BB, Roberts DJ, Robinson F, Schubert P, Sens MA, Sullivan LM, Tripp T, Van Eerden P, Wade S, Willinger M, Zaharie D, Dukes KA. [Concurrent prenatal drinking and smoking increases risk for SIDS: Safe Passage Study report](#). Lancet EclinicalMedicine. 2020 Jan 20;19:100247. doi: 10.1016/j.eclinm.2019.100247. eCollection 2020 Feb. PMID: 32140668 <https://pubmed.ncbi.nlm.nih.gov/32140668/>
3. Mehus AA, Bergum N, Knutson P, Shrestha S, Zhou XD, Garrett SH, Sens DA, Sens MA, Somji S. [Activation of PPAR \$\gamma\$ and inhibition of cell proliferation reduces key proteins associated with the basal subtype of bladder cancer in As3+-transformed UROtsa cells](#). PLoS One. 2020 Aug 21;15(8):e0237976. doi: 10.1371/journal.pone.0237976. eCollection 2020. PMID: 32822399

4. Jackson M, Kemp WL. [Postmortem Diagnosis of Clostridium Without Culture Confirmation](#). Am J Forensic Med Pathol. 2020 Dec 17; Publish Ahead of Print. doi: 10.1097/PAF.0000000000000647. PMID: 33346972
5. Schwarz NG, Kemp WL [Educational Case: Aortic Valve Stenosis](#). Acad Pathol. 2020 Oct 8;7:2374289520961765. doi: 10.1177/2374289520961765. eCollection 2020 Jan-Dec. PMID: 33102696
6. Blommel K, Knudsen CS, Wegner K, Shrestha S, Singhal SK, Mehus AA, Garrett SH, Singhal S, Zhou X, Voels B, Sens DA, Somji S. [Meta-analysis of gene expression profiling reveals novel basal gene signatures in MCF-10A cells transformed with cadmium](#). Oncotarget. 2020 Sep 29;11(39):3601-3617. doi: 10.18632/oncotarget.27734. eCollection 2020 Sep 29. PMID: 33062196
7. Singhal SK, Byun JS, Park S, Yan T, Yancey R, Caban A, Hernandez SG, Hewitt SM, Boisvert H, Hennek S, Bobrow M, Ahmed MSU, White J, Yates C, Aukerman A, Vanguri R, Bareja R, Lenci R, Farré PL, De Siervi A, Nápoles AM, Vohra N, Gardner K. [Kaiso \(ZBTB33\) subcellular partitioning functionally links LC3A/B, the tumor microenvironment, and breast cancer survival](#). Commun Biol. 2021 Feb 1;4(1):150. doi: 10.1038/s42003-021-01651-y. PMID: 33526872
8. Bisogno LS, Yang J, Bennett BD, Ward JM, Mackey LC, Annab LA, Bushel PR, Singhal S, Schurman SH, Byun JS, Nápoles AM, Pérez-Stable EJ, Fargo DC, Gardner K, Archer TK [Ancestry-dependent gene expression correlates with reprogramming to pluripotency and multiple dynamic biological processes](#). Sci Adv. 2020 Nov 20;6(47):eabc3851. doi: 10.1126/sciadv.abc3851. Print 2020 Nov. PMID: 33219026
9. Al-Marsoum S, Pacella J, Dockter K, Soderberg M, Singhal SK, Vomhof-DeKrey EE, Basson MD. [Schlafen 12 Is Prognostically Favorable and Reduces C-Myc and Proliferation in Lung Adenocarcinoma but Not in Lung Squamous Cell Carcinoma](#). Cancers (Basel). 2020 Sep 24;12(10):2738. doi: 0.3390/cancers12102738. PMID: 32987632
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11. Sakry RC, Kemp WL. [An Inflamed, Giant, True, Extramural Duodenal Diverticulum: A Rare Autopsy Finding](#). Am J Forensic Med Pathol. 2020 Sep;41(3):e54-e55. doi: 10.1097/PAF.0000000000000571. PMID: 32568884
12. Loughney E, Kemp WL [Homicide-Suicide: A Homicidal Asphyxiation Misinterpreted as a Gunshot Wound at the Scene](#). Am J Forensic Med Pathol. 2020 Dec;41(4):321-323. doi: 10.1097/PAF.0000000000000569. PMID: 32541395
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17. Hughes RL. [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 Mar;40(1):52-57. doi: 10.1097/PAF.0000000000000451. PMID: 30531211
18. Hughes RL. [Fatal combination of mitragynine and quetiapine - a case report with discussion of a potential herb-drug interaction](#). *Forensic Sci Med Pathol*. 2019 Mar;15(1):110-113. doi: 10.1007/s12024-018-0049-9. Epub 2018 Nov 29. PMID: 30498933
19. Kalyan G, Junghare V, Bhattacharyaa S, Hazra S, "Understanding structure-based dynamic interactions of antihypertensive peptides extracted from food sources" *Journal of Biomolecular Structure and Dynamics* . 2020.

BOOKS:

- 1) Sens, MA and Hughes R. *Diagnostic Pathology: Forensic Autopsy*, 1st Edition. Elsevier, publication 12/28/2020.
- 2) Kemp WL and Hughes R. *Pathology Review Questions: Question Book 1.1 (2020) General Pathology*. Amazon Services
- 3) Kemp WL and Hughes R. *Pathology Review Questions: Question Book 1.2 (2020) Systemic Pathology*. Amazon Services
- 4) Kemp WL and Hughes R. *Pathology Review Questions: Question Book 1.3 (2020) Image review for Pathology*. Amazon Services
- 5) Koponen, M.A. and Giffen, Mark Jr. *Sudden Unexpected Adult Deaths*. Chapter 5 in *Handbook of Forensic Pathology*. Third Edition, CAP Press, Joseph A Prahlow and Erin Grace Brooks, Editors; IN PRESS

PEDIATRICS

Total Publications: 17

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

1. **Kamleh M, Muzzy Williamson JD, Casas K, Mohamed, MW**. Reduction in newborn screening false positive results following a new collection protocol: a quality improvement project. *The Journal of Pediatric Pharmacology and Therapeutics*, in press
2. Verdonschot JAJ, Robinson EL, James KN, Mohamed MW, Claes GRF, Casas K, Vanhoutte EK, Hazebroek MR, Kringlen G, Pasierb MM, van den Wijngaard A, Glatz JFC, Heymans SRB, Krapels IPC, Nahas S, Brunner HG, Szklarczyk R, ET AL. 2020. Mutations in PDLIM5 are rare in dilated cardiomyopathy but are emerging as potential disease modifiers. *Mol Genet Genomic Med* 8(2):e1049.

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*. 115(3):409-417, 2020 Mar.
2. Greenmyer JR, Stacy JM, Klug MG, Foster K, Tiongson C, Burd L. Pregnancy status is associated with screening for alcohol and other substance use in the emergency department. *J of Addition Medicine* Jul/Aug 14(4):e64-e69., 2020.
3. Elliott AJ, Kinney HC, Haynes RL, Dempers JD, Wright C, Fifer WP, Angal J, Boyd TK, Burd L, Burger E, Folkerth RD, Groenewald C, Hankins G, Hereld D, Hoffman HJ, Holm IA, Myers MM, Nelsen LL, Odendaal HJ, Petersen J, Randall BB, Roberts DJ, Robinson F, Schubert P, Sens MA, Sullivan LM, Tripp T, Van Eerden P, Wadee S, Willinger M, Zaharie D, Dukes KA. Concurrent prenatal drinking and smoking increases risk for SIDS: Safe Passage Study report. *EClinicalMedicine*. 2020 Jan 20.19:100247.
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5. Burd L. Drinking at the end of pregnancy: Why don't we see it? *Pediatr Res*. 88(2):142. 2020 Aug.
6. Shuffrey LC, Myers MM, Isler JR, Lucchini M, Sania A, Pini N, Nugent JD, Condon C, Ochoa T, Brink L, Du Plessis C, Odendaal HJ, Nelson ME, Friedrich C, Angal J, Elliott AJ, Groenewald C, Burd L & Fifer WP (2020). Association between prenatal exposure to alcohol and tobacco and neonatal brain activity: Results from the safe passage study. *JAMA Netw Open* 3:e204714.
7. Ye P, Angal J, Tobacco DA, Willman AR, Friedrich CA, Nelson ME, Burd L, Elliott AJ. Prenatal Drinking in the Northern Plains: Differences Between American Indian and Caucasian Mothers. *Am J Prev Med*. 58(4):e113-e121, 2020 Apr.
8. Popova S, Dozet D, Burd L. Fetal Alcohol Spectrum Disorder: Can We Change the Future?
9. *Alcohol Clin Exp Res*. 44(4):815-819, 2020 Apr.
10. Popova S, Lange S, Temple V, Poznyak V, Chudley AE, Burd L, Murray M, Rehm J. Profile of Mothers of Children with Fetal Alcohol Spectrum Disorder: A Population-Based Study in Canada. *Int J Environ Res Public Health*. 17(21):7986, 2020 Oct 30.
11. Greenmyer JR, Burd L, Kobrinsky NL. Urine methotrexate concentration at 46-48 hours post-treatment is reflective of methotrexate-induced acute kidney injury. *The Journal of Pediatric Pharmacology and Therapeutics* (in press).
12. Klug M, Palme A, Kobrinsky N, Burd L. A validation study of the alcohol related neurodevelopmental disorders behavioral checklist. *Alcoholism: Clinical and Experimental Research* (in press).

Book Chapters

1. Burd L, Klug MG, Husark K. Prevalence of Fetal alcohol spectrum disorder and screening in the forensic context. In: Brown NN (ed.). FASD: A guide for forensic mental health assessment. (in press).
2. Burd L, Klug MG, O'Connell A, Palme, A, Sandstrom AL. In fetal alcohol spectrum disorder: Comorbidity determines complexity. In Brown NN (ed.), FASD: A guide for forensic mental health assessment. (in press).

Mohamed W. Mohamed, M.D., Clinical Associate Professor of Pediatrics

1. Published: <https://pubmed.ncbi.nlm.nih.gov/33330265/>
Accepted: Ms. No. JPPT-D-20-00104R1
"Reduction in newborn screening false positive results following a new collection protocol: a quality improvement project" The Journal of Pediatric Pharmacology and Therapeutics.

POPULATION HEALTH

Total Publications: 83

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.
7. Hostetter J, Schwarz N, **Klug M**, Wynne J, Basson MD. Primary care visits increase utilization of evidence-based preventative health measures. *BMC Family Practice*, 28 Jul 2020, Vol 21:151.
8. Sohrabi M, Floden AM, Manocha GD, **Klug MG**, Combs CK. IGF-1R Inhibitor Ameliorates Neuroinflammation in an Alzheimer's Disease Transgenic Mouse Model. *Frontiers in Cellular Neuroscience*, section Cellular Neuropathology. 03 July 2020. doi.org/10.3389/fncel.2020.00200
9. Kaur H, Nagamoto-Combs K, Golovko S, Golovko MY, **Klug MG**, Combs CK. Probiotics Ameliorate intestinal pathophysiology in mousemodel of alzheimers disease. *Neurobiol Aging*. 2020 Aug;92:114-134. doi: 10.1016/j.neurobiolaging.2020.04.009.
10. Janssen S, **Klug M**, Johnson Gusaas S, Schmiesing A, Nelson-Deering D, Pratt H, Lamborn, B. Community based health promotion: Assess before you assess. *Journal of Applied Gerontology*, May 27 2020. <https://doi.org/10.1177/0733464820921320>.
11. Nielsen S, **Klug M**, Fox L. Impact of Nontraditional Level I Fieldwork on Critical Think AJOT *American Journal of Occupational Therapy*, March 2020, Vol. 74, 7403345010.
12. Basson MD, **Klug MG**, Newman WE, Dyke C. Preoperative outpatient blood pressure variability predicts postoperative mortality, readmission and morbidity after surgery. *Am J Surg*. 2020 Feb 27:S0002-9610(20)30090-8. doi: 10.1016/j.amjsurg.2020.02.021.
13. Greenmyer JR, Stacy JM, **Klug MG**, Foster K, Tiongson C, Burd L. Pregnancy Status is Associated With Screening for Alcohol and Other Substance Use in the Emergency Department. *J Addiction Medicine*. Jul/Aug 2020;14(4):e64-e69.

S. Cristina Oancea

1. Oancea SC, Sukumaran P, de Oliveira GD, Nucci LB, Vogeltanz-Holm N. The association between alcohol consumption and self-reported current depression among adults residing in Brazil. *Journal of Public Health (Oxford, England)*. 2020. doi:10.1093/pubmed/fdaa220
2. Kim S, Oancea SC. Electronic cigarettes may not be a "safer alternative" of conventional cigarettes during pregnancy: evidence from the nationally representative PRAMS data. *BioMed Central (BMC) Pregnancy Childbirth*. 2020; 20(1):557. doi:10.1186/s12884-020-03247-6
3. Bainter T, Selya AS, Oancea SC. A key indicator of nicotine dependence is associated with greater depression symptoms, after accounting for smoking behavior. *PloS One*. 2020;15(5):e0233656. doi:10.1371/journal.pone.0233656

4. Doerrmann C, Oancea SC*, Selya A. The Association Between Hours Spent at Work and Obesity Status: Results From NHANES 2015 to 2016. *American Journal of Health Promotion*. 2020;34(4):359-65. doi:10.1177/0890117119897189 (* corresponding author)
5. Oancea SC*, Watson IW*. Does self-rated health status influence receipt of an annual flu vaccination? *Preventive Medicine*. 2020. 131:105949. doi:10.1016/j.ypmed.2019.105949 (* joint first author)
6. 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)

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.
5. Kim S, Brewster MS, Schwartz GG (corresponding). Communicating radon risk via a smartphone app: A pilot intervention study. *BMC Public Health*, published online, April 2020.
6. Zhang C, Schwartz GG. Spatial Disparities in Coronavirus Incidence and Mortality in the U.S.: An Ecological Analysis as of May 2020. *Journal of Rural Health*, published July 2020.
7. Schwartz GG, Tretli S, Klug MG, Robsahm TE. Women who develop ovarian cancer show an increase in serum calcium and a decrease in serum albumin. A longitudinal study in the Janus Serum Bank Cohort. *Gynecologic Oncology*, 2020, 159:264-269.
8. Schmitz D, Klug MG, Schwartz GG (corresponding). Radon knowledge and practices among Family Physicians in North Dakota, a high radon state. *Journal of the American Board of Family Medicine*, published online, May20, 2021.
9. Williamson MR, Klug G, Schwartz GG (corresponding). Brain cancer incidence rates and the presence of nuclear reactors in U.S. states: A hypothesis-generating study. *Environmental Geochemistry and Health*, published online March 2021.

Andrew Williams

1. Stevens, D., Grobman, W., Kumar, R., Lipsky, L.M., Hinkle, S.N., Chen, Z., **Williams, A.D.**, Rohn, M., Kanner, J., Sherman, S., & Mendola, P. "Gestational and postpartum weight trajectories among women with and without asthma." *American Journal of Epidemiology*, 190(5), May 2021, 744-754.
2. ^Kanner J, **Williams A.D.**, Nobles C, Ha S, Ouidir M, Sherman S, Mendola P. "Ambient temperature and stillbirth: Risks associated with chronic extreme temperature and acute temperature change." *Environmental Research* 2020, 189. 109958
<https://doi.org/10.1016/j.envres.2020.109958>
3. Ha, S., Nobles, C., Kanner, J., Sherman, S., Cho, SH., Perkins, N., **Williams, A.D.**, Grobman, W., Biggio, J., Subramaniam, A., Ouidir, M., Chen, Z., & Mendola, P. "Air Pollution Exposure Monitoring Among Pregnant Women with and Without Asthma." *International Journal of Environmental Research and Public Health* 2020, 17(13), 4888. <https://doi.org/10.3390/ijerph17134888>
4. Shenassa, E. & **Williams, A.D.** "Concomitant exposure to area-level poverty, ambient air volatile organic compounds and cardiometabolic dysfunction: a cross-sectional study of U.S. adolescents." *Annals of Epidemiology*, 48, August 2020, 15-22.
5. **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*, 2020 7:224-233, <https://doi.org/10.1007/s40615-019-00650-4>

Mark Williamson

1. Williamson, MR, Klug, MG, Schwartz, GG. Brain cancer incidence rates and the presence of nuclear reactors in US states: a hypothesis-generating study. *Environ Geochem Health* (2021). <https://doi.org/10.1007/s10653-021-00896-0>
2. Williamson, MR, Ahmed, RM. Cancer Mortality and Research Outcomes in a Rural State. *Wisconsin Medical Journal* (in press).
3. Ahmed, RM, Williamson, MR, Hamid MA, Ashraf N. United States County-level COVID-19 Death Rates and Case Fatality Rates Vary by Region and Urban Status. *Healthcare*. 2020 Sep;8(3).

Ursula Running Bear

1. Kaufman CE, Asdigian NL, Running Bear U. et al. Rural and Urban American Indian and Alaska Native Veteran Health Disparities: a Population-Based Study. *Journal of Racial and Ethnic Health Disparities*, 2020, 7, 1071-1078. <https://doi.org/10.1007/s40615-020-00730-w>.
2. Running Bear U, Asdigian NL, Kaufman CE. Health Outcomes in a National Sample of American Indian and Alaska Native Adults: Differences between Multiple Race and Single Race Subgroups. *PLOS One*, 2020. <https://doi.org/10.1371/journal.pone.0242934>.

Laura Hand

1. Legerski, L.M. & Hand, L.C. (2020). "We're Keeping Everything Together With Band-Aids": A Case Study of Care Work and Family Violence During a U.S. Oil Boom. *International Journal of Care and Caring*, 4(3), 395-411. doi: <https://doi.org/10.1332/239788220X15924188715666>
2. Lucio, J., Bruening, M., & Hand, L.C. (2020) The Potential for Coproducing Food Security in Public Housing Communities. *Journal of Nonprofit and Public Affairs*, 6(2), 119-137. doi: <https://doi.org/10.20899/jpna.6.2.119-137>
3. Hand, L.C., & Ching, B.D. (2020) Maintaining Neutrality: A Sentiment Analysis of Police Agency Facebook Pages Before and After a Fatal Officer-Involved Shooting of a Citizen. *Government Information Quarterly*, 37(1), 1-11. doi: 10.1016/j.giq.2019.101420
4. State Alzheimer's Disease Plan, contract with Shawnda Schroeder (PI), Rebecca Quinn, Gretchen Dobervich (NDSU), North Dakota Department of Health, \$45,000 – Awarded Oct. 1, 2020

Grace Karikari

1. Ashrifi, G., Karikari, G. & Adamek, M. (2021). Implementing the National Aging Policy (NAP) in Ghana: A Call for a National Coordinating Body for Older Adults. *Journal of Aging & Social Policy*.
2. Anderson, K. R., Naaman, K., Omodior, E., Karikari, G., Pennington-Gray, L., & Omodior, O. (2020). Predicting Chikungunya disease personal protective behaviors: Results of a cross-sectional survey of US-Caribbean travelers. *Health Promotion*, 10(1), 44.

Amber Lyon-Colbert

1. Dakota Cancer Collaborative on Translational Activity Year 2, National Institutes of Health, \$32,582 – Award period September 1, 2019 to August 31, 2020
2. Dakota Cancer Collaborative on Translational Activity Year 3, National Institutes of Health, \$19,690 – Award period September 1, 2020 to August 31, 2021
3. State of North Dakota COVID-19 Household Seroprevalence, ND Department of Health, \$700,000 - Award period September 10, 2020 to August 31, 2022

Donald Warne

1. Jackson FM, Rashied-Henry K, Warne DK, et. al., A Prematurity Collaborative Birth Publications Equity Consensus Statement for Mothers and Babies, Maternal and Child Health Journal, June 2020
2. Jung P, Warne DK, Integrating the Preventive Medicine Specialty in the Rural and Tribal Public Health Workforce, Preventive Medicine, June 2020
3. Tobey M, Armstrong K, Warne DK, The 2019 Partial Government Shutdown and Its Impact on Health Care for American Indians and Alaska Natives. Journal of Health Care for the Poor and Underserved, February 2020
4. Targeting Avoidable admissions and non-emergent ED visits, University of Nebraska, \$18,904 – Award period July 1, 2018 to June 30, 2021
5. Rotary – March of Dimes Prenatal Care Programs, FMAM Rotary Club of Fargo, \$30,000 – Award period September 1, 2019 to August 31, 2021
6. COVID 19 Response, ND Department of Health, \$36,000 - Award period April 1, 2020 to March 15, 2021
7. COVID 19 Response 2 , ND Department of Health, \$936,720 - Award period April 1, 2020 to March 15, 2021
8. Warne DK, Brodt E, Wescott S. The Time is Now: Transforming Recruitment and Retention of American Indian and Alaska Native Medical Students Using the Medicine Wheel Model. Journal of Health Science & Education. 2020 November; 4(5):1-9.

Melanie Nadeau

1. Redvers, N, Nadeau, M. Urban Land-based Healing: A Northern Intervention Strategy. International Journal of Indigenous Health 2020 Dec; 16(2): 322-337.
2. Nadeau, M. (Project Period: August 2020-July 2023) DaCCoTA Community Engagement Clinical Translational Research Scholars Award. One of the primary goals of the DaCCoTA is to create a culture of clinical/translational research (CTR) by training faculty to develop both the skills to

conduct research and an appreciation for the continuum of translational research. Dr. Nadeau was \$480,000.

Clint Hosford

1. Jacob R. Greenmyer, Michelle Montgomery, Charles Hosford, Michael Burd, Vanessa Miller, Michael H. Storandt, Koffi L. Lakpa & Christopher Tionson (2021) Guilt and Burnout in Medical Students, Teaching and Learning in Medicine, DOI: 10.1080/10401334.2021.1891544

Psychiatry

Total Publications: 79

Ross Crosby

1. Williams-Kerver, G.A., Wonderlich, S.A., Crosby, R.D., Cao, L., Smith, K.E., Engel, S.G., Crow, S.J., Peterson, C.B., Mitchell, J.E. & Le Grange, D. Differences in affective dynamics among eating disorder diagnostic groups. *Clinical Psychological Science*, 2020, 8(5), 857-871.
2. Cardi, V., Albano, G., Ambwani, S., Cao, L., Crosby, R.D., MacDonald, P., Schmidt, U. & Treasure, J. A randomized clinical trial to evaluate the acceptability and efficacy of an early phase, guided augmentation of outpatient care for adults with anorexia nervosa. *Psychological Medicine*, 2020, 50(15), 2610-2621. PMID: 31615581
3. Bryant, E., Miskovic-Wheatley, J., Touyz, S., Crosby, R.D., Koreshe, E., Cao, L. & Maguire, S. Transitioning to digital first line intervention – validation of a brief online screener for identification of a suspected eating disorder: Study protocol. *Journal of Eating Disorders*, 2020, 8(1), 60. PMID: 33292579
4. Ambwani, S., Cardi, V., Albano, G., Cao, L., Crosby, R.D., Macdonald, P., Schmidt, U. & Treasure, J. A multicenter audit of outpatient care for adult anorexia nervosa: Symptom trajectory, service use, and evidence in support “early stage” versus “severe and enduring” classification. *International Journal of Eating Disorders*, 2020, 53(8), 1337-1348. PMID: 32064663
5. Richson, B.N., Forbush, K.T., Schaumberg, K., Crosby, R.D., Peterson, C.B., Crow, S.J. & Mitchell, J.E. Are the Criterion B binge-eating symptoms interchangeable in understanding binge-eating severity? An Item Response Theory analysis. *International Journal of Eating Disorders*, 2020, 53(12), 1983-1992. PMID: 32945003
6. Hazzard, V. M., Peterson, C. B., Crosby, R. D., Schaefer, L. M., Smith, K. E., Engel, S. G., Crow, S. J., & Wonderlich, S. A. Predictors of treatment response durability in psychotherapy for binge-eating disorder: Examining the roles of self-discrepancy, self-directed style, and emotion dysregulation. *International Journal of Eating Disorders*, 2020, 53(12), 1918-1927. PMID: 33118638
7. Heinberg, L., Bond, D., Carroll, I., Crosby, R.D., Fodor, A., Farnaz, F., Gunstad, G., Mitchell, J.E., Peat, C. & Steffen, K.J. Identifying mechanisms that predict weight trajectory after bariatric surgery: Rationale and design of the biobehavioral trial. *Surgery for Obesity and Related Disorders*, 2020, 16, 1816-1826. PMID: 32768295

8. Smith, K. E., Mason, T. B., Cao, L., Crosby, R. D., Steffen, K. J., Garcia, L., King, W. C., & Mitchell, J. E. Trajectories of depressive symptoms and relationships with weight loss in the seven years after bariatric surgery. *Obesity Research & Clinical Practice*, 2020, 14(5), 456-461. PMID: 32933863
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Center for Rural Health

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104. Schroeder, S., Shogren, M., Terras, K. (November 2020) Student Connectivity in Online Programs: Role of the Nurse Faculty. *The Journal for Nurse Practitioners* @ <https://www.sciencedirect.com/science/article/abs/pii/S1555415520305079>
105. Schroeder, S. (December 2020) Evaluation of SEAL!ND: School Year 2019-2020. Report @ <https://ruralhealth.und.edu/assets/4061-17204/evaluation-of-seal-nd-2019-2020.pdf>
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Emergency Medicine

Total Publications: 1

Dr. Jon Solberg

1. Cerjance, Michael; Reddy, Madhusudhan P. MD The Case Files, Emergency Medicine News: September 10, 2020 - Volume 42 - Issue 9A - 10.1097/01.EEM.0000717204.15331.08
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Neurology

Total Publications: 2

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