

### **DOMe Publications in Journals, Books and Published Abstracts**

***\*Indicates work related to medical education or with a medical student as a co-author***

- \***Brower GL**, 2018, Applying knowledge to clinical practice: Simulation in teaching undergraduate medical pathophysiology. Proceedings of GRIPE 2018 Annual Meeting in Las Vegas, Nevada.
- \***Brower GL, Pressley TA and Lee VH**. 2018, Experiential learning: Integrating simulation in teaching undergraduate medical physiology. The FASEB Journal 32(1 Supplement):629.12.
- Brower GL** and Stewart JA Jr. 2018, TNF- $\alpha$  mediated  $\beta$ 1 integrin inactivation is a novel mechanism mediating left ventricular dilatation. The FASEB Journal 32(1 Supplement):414.6.
- \***Bunch J, Webster D, Brower GL**. 2018, Benefits of early clinical exposure using simulated patient encounters for first-year medical students. Proceedings of 2018 American Physiological Society Institute on Teaching and Learning Workshop in Madison, Wisconsin.
- Erwin C, Dacso S** (2018). Ethical and Legal Issues in Bioterrorism Events. TTU Journal of Bioterrorism and Biodefense. (Published)
- \***Kaur G, Wright K, Greer HR, Mueller K, Haynes A, Dufour JM**. 2018 Chapter 6- Sertoli cell immune regulation within the testis. In: C. Yan Cheng (Ed.) Spermatogenesis: Biology and Clinical Implications; CRC Press Taylor & Francis Group. ISBN 9781498764117 (Published)
- \***Kaur G, Dufour JM**. 2018 An update on the School of Medicine's Medical Student Research Program at the Texas Tech University Health Sciences Center. The Southwest Respiratory and Critical Care Chronicles; 6(24): 1. (Published)
- Kaur G, Thompson LA, Babcock RL, Mueller K, Dufour JM**. 2018 Sertoli cells engineered to express insulin lower blood glucose in diabetic mice. DNA and Cell Biology; 37(8): 680-690. (Published)
- Kaur G, Helmer RA, Smith LA, Martinez-Zaguilan, Dufour JM, Chilton BS**. 2018 Alternative splicing of helicase-like transcription factor (Hltf): intron retention-dependent activation of immune tolerance at the fetomaternal interface. PLoS One; 13(7): e0200211. (Published)
- Shen CL, Tomison MD, **Kaur G**, Ramalingam L, Chung E, Moustaid-Moussa N, Dufour JM. Synergistic effect of dietary delta-tocotrienol and geranylgeraniol on bone properties in obese C57BL/6J mice with obesity-associated type 2 diabetes mellitus. 2018 International Congress on Integrative Medicine & Health (Baltimore, MD, May 8-11, 2018). (Published)
- \*Wankhade U, Chintapalli S, Piccolo BD, Tomison MD, Wright K, Gabriliska R, **Kaur G**, Dufour JM, Shankar K, Shen CL. Effects of tocotrienol and statin supplementation on microbiome and glucose homeostasis in inbred obese mice. Nutrition 2018. (Boston, MA, June 9-12, 2018). (Published)
- Garcia JO, **Kaur G**. Developing online interactive embryology modules and determining their effectiveness in improving first year medical student comprehension. 30<sup>th</sup> Annual TTUHSC Student Research Week (March 21-23<sup>rd</sup>, 2018). (Published)
- \*Gonzalez A, **Kaur G**, Tomison MD, Wright K, Shen CL, Dufour JM. The effects of antioxidants on the inflammatory response caused by Type II diabetes. 30<sup>th</sup> Annual TTUHSC Student Research Week (March 21-23<sup>rd</sup>, 2018). (Published)
- \*Wright K, Gabriliska R, Daniel H, **Kaur G**, Dufour JM. Determining the importance of macrophages in mediating Sertoli cell allo- and xeno-graft survival. 30<sup>th</sup> Annual TTUHSC Student Research Week (March 21-23<sup>rd</sup>, 2018). (Published)
- \*Gabriliska R, Daniel H, Wright K, **Kaur G**, Dufour JM. Expression of induced nitric oxide synthase (iNOS) in Sertoli cell allografts. 30<sup>th</sup> Annual TTUHSC Student Research Week (March 21-23<sup>rd</sup>, 2018). (Third Prize) (Published)

- Greer RH, **Kaur G**, Tomison MD, Shen CL, Dufour JM. Effect of early type 2 diabetes on male fertility. 10<sup>th</sup> Annual Undergraduate Research Conference (March 27-28<sup>th</sup>, 2018). (Published)
- \*Daniel H, Gabriliska R, Wright K, **Kaur G**, Dufour JM. The role of iNOS in Sertoli cell allotransplantation. 10<sup>th</sup> Annual Undergraduate Research Conference (March 27-28<sup>th</sup>, 2018). (Published)
- Kaur G**, Dufour JM. Mechanisms of Sertoli cell immune regulation. 52<sup>nd</sup> Annual Gene Families and Isozymes (GFI) Conference, Bahia del Sol, Potrero, Costa Rica (December 8<sup>th</sup> 2018). (**Oral presentation**). (Published)
- \*Wright K, **Kaur G**, Mital P, Dufour J. Induction of regulatory macrophages after Neonatal Pig Sertoli cell xenotransplantation. 2018 American Physician Scientists Association South Regional Meeting (Houston, TX, September 29, 2018). (**Best Poster**). (Published)
- Chwan-Li Shen, **Kaur G**, Wanders D, Sharma S, Tomison MD, Ramalingam L, Chung E, Moustaid-Moussa N, Mo H, Dufour JM. 2018 Anatto-extracted tocotrienols improve glucose homeostasis and bone properties in high-fat diet-induced type II diabetic mice by decreasing the inflammatory response. *Scientific Reports*; 8(1): 11377. (Published)
- \*Agrimor J, Calara A, Jaroudi S, Moon J, Raju S, Rice S, Wright K, Dufour JM, **Kaur G**, **Kruczek C**, Mittal N, Peiris AN, Sleeper RB 2018 Book title- Interesting clinical vignettes: 101 ice breakers for medical rounds. <https://www.ttuhsu.edu/clinical-research/documents/JMD-Cases-of-Interest.pdf> (Published)
- \*Dufour JM, **Kaur G**, **Kruczek C**, Mittal N, Peiris AN, Sleeper R, Wright K, Jaroudi S, Moon J, Calara A, Raju S, Agrimor J, Rice S. *Interesting Clinical Vignettes: 101 Icebreakers for Medical Rounds*. Texas Tech University Press. 2018. Book. Published.
- Smith J, White J, Dungrawala H, Hua H, **Schneider BL**. “Yeast lifespan variation correlates with cell growth and *SIR2* expression.” *PLoS ONE* (2018). <https://doi.org/10.1371/journal.pone.0200275>
- Smith J, **Schneider BL**. “A Budding Topic: Modeling Aging and Longevity in Yeast.” *Conn's Handbook of Models for Human Aging*. Elsevier. (2018). pp 389-415.
- Sobel A**. Book Chapter: Energy Infrastructure Security: Challenges and Directions for the 21st Century, in US Infrastructure: Challenges and Directions for the 21st Century, Aman Khan and Klaus Becker [Coeditors], publication pending, Spring 2019.
- \*West CA, Wagner JM, Greenberg SB, Buck E, Hsieh P, Horn K, Martin R, Stark DL, **Williams SC**, Pietz K, Graham L, Team CR. Examining Medical Students' Social Media Beliefs and Behaviors and Their Relationship to Professional Identity. *Med.Sci.Educ.* (2018) 28: 389. <https://doi.org/10.1007/s40670-018-0562-1>
- \*Leong SL, Cangiarella J, Fancher T, Dodson L, Grochowski C, Harnik V, Hustedde C, **Jones BG**, Kelly C, Macerollo A, Reboli AC, Rosenfeld M, Rundell K, Thompson T, Whyte R, Pusic M. Roadmap for creating an accelerated three-year medical education program. *Med Educ Online*. 2017;22(1):1396172. doi: 10.1080/10872981.2017.1396172.
- \*Cangiarella C, Fancher T, **Jones BG**, Dodson L, Leong SL, Hunsaker M, Pallay R, Whyte R, Holthouser A, Abramson SB. Three-Year MD Programs: Perspectives from the Consortium of Accelerated Medical Pathway Programs (CAMPP). *Academic Medicine*. 2016;91(11): Acad Med. 2017 Apr;92(4):483-490. doi: 10.1097/ACM.0000000000001465

### **DOMe Publications In Press**

#### **\*Indicates work related to medical education or with a medical student as a co-author**

- Levick SP, **Brower GL** and Janicki JS. 2018, Substance P-mediated cardiac mast cell activation: An in vitro study. *Neuropeptides* (In Press)
- \***Erwin C** (2018). Ethics of Opioid Treatment Agreements for Pain Control. *TTU Ethics Journal*. (Submitted)
- \*Janes J, **Erwin C**. The Importance of Modeling Ethics Practices in Medicine. *TTU Ethics Journal*. (Submitted)



## Scholarly Activity 2018-2019

- Chung E, Campise SN, Joiner HE, Tomison MD, **Kaur G**, Dufour JM, Cole L, Ramalingam L, Moustaid-Moussa N, Chen CL. 2018 Effect of annatto-extracted tocotrienols and green tea polyphenols on glucose homeostasis and skeletal muscle metabolism in obese male mice. *J. Nutr. Biochem* (Submitted, under minor revision).
- \***Kaur G**, Wright K, Verma S, Haynes A, Dufour JM. 2018 *Book title-* Molecular mechanisms in Spermatogenesis; *Chapter title-* The good, the bad and the ugly of testicular immune regulation: a delicate balance between immune function and immune privilege. (In press)
- \*Martin L, Abigail B, Jennifer L, Max S, Ansari M, **Williams SC**. Preparing Undergraduate Medical Students for Future Practice – Development of a Future of Medicine Elective. *American Medical Student Research Journal* 6. (In Press)
- \*Casanova R, Yudkowsky R, Park YS, Lineberry M, **Jones BG**. Comparing concurrent versus post-encounter hypothesis-driven precepting to improve clinical reasoning. Submitted to Teaching and Learning in Medicine (in press)
- \*Cangiarella J, Leong S, **Jones BG**, Coe C, Fancher T, Gillespie C and others. Accelerated MD Program Graduates: views on their education, wellness, residency readiness and debt from the AAMC graduation questionnaire (GQ). (in press for Academic Medicine).
- \***Kruczek C**, **Kaur G**, **Jones B**, Mitchell J, Edwards D, Pires B, Benejan K, Mendez E, Darter J, Loya C, Sorenson J, Brown T, Reynolds J. A Student-Generated, Peer-Led Teaching Activity for MSK and Bone Disorders. (in press for Peer-Reviewed Reports in Medical Education Research (PRiMER))

### DOMe Faculty Grants to Support Scholarly Work, Submitted and/or Funded

#### **\*Indicates work related to medical education or with a medical student as a co-author**

- National Institutes of Health (NIH), R21, 2017, Dufour JM (Principal Investigator), **Kaur G** (Co-Investigator), **Brower GL (Collaborator)**, Use of immune privileged Sertoli cells to deliver therapeutic proteins to treat complications associated with diabetes. \$275,000 (Direct Cost), \$418,969 (Total Amount). (Not Funded)
- National Institutes of Health (NIH), 2017, **Erwin CJ (Supporting Role)**, Philibert R (Principal Investigator), Quantitative DNA Methylation Biomarkers for Monitoring Alcohol Abstinence. (Funded)
- \*John P. McGovern, MD Foundation, December 10, 2015, **Erwin CJ**, Proposal for funding of the John P. and Katherine G. McGovern Center for Ethics, \$3,000,000 (Total Amount). (Not Funded)
- \*John P. McGovern, MD Foundation, December 2015, **Erwin CJ**, Proposal for permanent funding of the Medical Humanities Certificate Program, \$2,210,000 (Total Amount). (Not Funded)
- \*Texas Tech University-Texas Tech University Health Sciences Center Interprofessional, Interdisciplinary Proposal to the Humanities Center at Texas Tech University, February 2015, **Erwin CJ**, Southwestern Narratives of Illness and Health, \$50,000 (Total Amount). (Not Funded)
- \*John P. McGovern Foundation, Medical Humanities Certificate Program, 2013 - Present, **Erwin CJ**, \$415,000 (Total Amount). (Funded)
- Jones, K. (Co-Principal Investigator), **Sobel, A. L.** (Principal Investigator), Dallas, T. (Co-Principal Investigator), Li, C. (Co-Principal Investigator), Lie, Y.-C. (Co-Principal Investigator), Delucia, P. (Co-Principal Investigator), Systems Engineering And Analysis of MEDEX Spot Unmanned Micro Clinic, \$482,084 (Total Amount). (Currently Under Review)
- Ted Nash Long Life Foundation, December 2018- November 2019, **Kaur, G.** (Co-Investigator), Dufour, J. M. (Principal Investigator), Reducing cardiovascular risks using Sertoli cell-based gene therapy, 5% effort, \$100,000 (Direct Cost), \$100,000 (Total Amount). (Funded)



## Scholarly Activity 2018-2019

- Jasper & Jack Wilson Foundation, December 2018 - November 2019, **Kaur, G.** (Co-Investigator), Dufour, J. M. (Principal Investigator), Genetically Engineered Sertoli Cells as Vehicle Cell Based Gene therapy, 3% effort, \$50,000 (Direct Cost), \$50,000 (Total Amount). (Funded)
- Laura W. Bush Institute for Women's Health and UMC Health System, Women's Health Seed Grant, November 2017 - October 2018, **No Cost Extension till August 2019, Kaur, G.** (Principal Investigator), Dufour, J. M. (Co-Investigator), Shen, C.-L. (Co-Investigator), Gail, C. (Co-Investigator), Utilizing tocotrienols to prevent the formation of islet amyloid deposits- a novel treatment for diabetes mellitus, \$20,000 (Direct Cost), \$20,000 (Total Amount). (Funded)
- South Plains Foundation (SPF), Seed Grant, September 2017 - August 2018, **Kaur, G.** (Principal Investigator), Dufour, J. M. (Co-Investigator), Examining the mechanism of porcine Sertoli cell survival to improve xenotransplantation, \$15,000 (Direct Cost), \$15,000 (Total Amount). (Funded)
- CH Foundation, **Kaur, G.** (Principal Investigator), Examining the beneficial effects of tocotrienols in preventing islet amyloid formation - a novel approach to improve islet cell transplantation, \$60,000 (Direct Cost), \$60,000 (Total Amount). (Submitted but not funded)
- National Institutes of Health (NIH), R01 2018. **Kaur, G.** (Co-Investigator), Dufour, J. M. (Principal Investigator), **Brower, G. L.** (Co-Investigator), Use of immune privileged Sertoli cells to deliver insulin and C-peptide to treat cardiovascular complications associated with diabetes, 20% effort, \$1,000,000 (Direct Cost), \$1,530,000 (Total Amount). (Submitted but not funded)
- 2016 - Present, **Sobel, A. L.** (Co-Investigator), Dent, L. (Principal Investigator), Dunham (Other), Peace Corps Prep Program for TTU and TTUHSC. (Funded)
- \*CH Foundation, 2017 - 2018, Hirshorn-Taylor, R. (Principal Investigator), **Sobel, A. L.** (Co-Investigator), DeCesaro, G. D. (Co-Investigator), Davis, T. (Co-Investigator), Arts in Medicine Grant: Remember This? A Participatory Performance Experience, \$20,000 (Total Amount). (Funded)
- \*VentureWell Entrepreneurial Faculty Grant, 2017 - 2018, **Sobel, A. L.**, Civil-Military Pre-hospital Care Innovation Curriculum: A Scalable Pilot Program, \$20,000 (Total Amount). (Funded)
- \*Texas Tech University SEED Grant for Interdisciplinary Research, 2016, **Kruczek C.**, Dust in the Wind. (Not Funded)
- \*CH Foundation, 2016, **Kruczek C.**, GARDENS (Growth, Awareness, Reading, Diversity, Environment, Nutrition, Science). (Not Funded)
- \***Jones BG**, Trotter DRT, **Tenner T**, Bennett K, Sheets R, Hobart K. TRUST Supplement: Medication-Assisted Treatment for SUD, Submitted for a HRSA Primary Care Enhancement and Training (PCTE) Grant, August 2018. \$62,500 funded, 2018-2019, 1 T0BHP300200100.
- \***Jones BG**, Trotter DRT, Cook RL, Onger F, Allen C, Morales F, Williams SC, Tenner T, TRUST Supplement: Medication-Assisted Treatment for SUD, Submitted for a HRSA Primary Care Enhancement and Training (PCTE) Grant, March 2017. \$54,895 funded, 2017-2018, 17-3720452.
- \*Cook RL, **Jones BG**, Trotter DRM, Babb F, Family Medicine Accelerated Track: A Primary Care Innovation Supplement. Submitted to the Texas Higher Education Coordinating Board, April 2017. \$98,725 funded for 2017-2018.
- \***Jones BG**, TrotterDRT, Cook RL, Onger F, Sheets B, Morales F, Babb F, **Williams SC**, **Tenner T**, Allen C, **Brower G**, **Kruczek C**, **Webster D**, Linton K, Klein K.. Transforming Rural Healthcare Systems in West Texas: The Texas Tech TRUST Program, Submitted for a HRSA Primary Care Enhancement and Training (PCTE) Grant, December 2015. \$1,250,000 funded, 2016-2021 17-372PCTE.
- Trotter, DRM (Project Director), **Jones, BG** (Project Co-Director), Littlefield, A, Van Allen, J, Sheets, R, Babb, F, Onger, F, **Popp, RL**, **Tenner, T.** *West Texas Primary Care Behavioral Health Collaborative: A comprehensive approach to disseminating the PCBH model throughout the South Plains*, Submitted for a HRSA Primary Care Enhancement and Training (PCTE) Grant, \$2,000,000 (Not funded)



**Other Scholarly Activity, by DOME faculty, including conference presentations, invited talks, manuscript/abstract reviewing**

***\*Indicates work related to medical education or with a medical student as a co-author***

**Brower**

**Invited Presentations:**

**\*Brower GL.** Applying knowledge to clinical practice: simulation in teaching undergraduate medical pathophysiology. Oral presentation at the GRIPE 2018 Annual Meeting in Las Vegas, Nevada, January 27, 2018.

**Accepted Conference Presentations:**

**\*Brower GL, Pressley TA and Lee VH.** Experiential learning: Integrating simulation in teaching undergraduate medical physiology. Poster presentation at the Experimental Biology 2018 Meeting in San Diego, California, April 22, 2018.

**Brower GL and Stewart JA Jr.** TNF- $\alpha$  mediated  $\beta$ 1 integrin inactivation is a novel mechanism mediating left ventricular dilatation. Oral presentation at the Experimental Biology 2018 Meeting in San Diego, California, April 24, 2018.

**Bunch J, Webster D, Brower GL.** Benefits of early clinical exposure using simulated patient encounters for first-year medical students. Poster presentation at the 2018 American Physiological Society Institute on Teaching and Learning Workshop in Madison, Wisconsin, June 19, 2018.

**Manuscript reviewer:**

American Journal of Physiology-Heart and Circulatory Physiology  
American Journal of Physiology - Regulatory, Integrative and Comparative Physiology  
Arteriosclerosis, Thrombosis, and Vascular Biology  
Journal of Cardiac Failure  
Journal of Molecular and Cellular Cardiology  
Journal of the American Heart Association  
\*Medical Education Online

**Member of research grant study sections (e.g. NIH, AHA Western Review Consortium):**

\*The Ralph E. Powe Junior Faculty Enhancement Award Review, The Oak Ridge Associated Universities, 2018.

**Consultant to government agencies, private industry, or other organizations**

Diabetes Action Research and Education Foundation, Medical Advisory Board, 2006 – Present

**Officer or committee member of scientific or professional organizations or program organizer**

American Physiological Society Cardiovascular Section Nominating Committee – 2015-2018

\*American Physiological Society Institute on Teaching and Learning Workshop Organizing Committee – 2016-2018

\*American Physiological Society Teaching Section Steering Committee – 2017-2019

\*American Physiological Society Arthur C. Guyton Physiology Educator of the Year Award Selection Committee – 2017-2019 (Chair - 2018)

**Cobbs**

**Presentations/Exhibits/Productions**

**Jones BG, Cobbs L.** A deep dive into social mission for students and learning communities. Podium presentation, Learning Communities Institute, New York City, September 2018.

**Erwin**

**Presentations/Exhibits/Productions**

\*Podium: **Erwin, C. J.** End of Life Discussion: Is euthanasia ever morally acceptable? A cross-cultural conversation, Lubbock, Texas, December 2018. (Other)



## Scholarly Activity 2018-2019

- \*Podium: **Erwin, C. J.** Ethical Issues in the Epigenetics of Addiction, Grand Rounds in Ethics, University of Texas Southwestern Medical Center, November 2018. (Other)
- \*Podium: **Erwin, C. J.** Research Ethics, SPH Lecture, Texas Tech University School of Public Health, August 2018. (Other)
- \*Grand Rounds in Ethics: **Erwin, C. J.** The Goldwater Rule, Amarillo, Texas, August 2018. (Other)
- \*Podium: **Erwin, C. J.** The Goldwater Rule, May 2018. (Other)
- \*Panel Presentation: **Erwin, C. J.** An Interactive Conversation about the State of the Art, Life of the Practitioner and the Care of Patients and Families, Medicine and Religion Conference, St. Louis, Missouri, April 2018. (Other)
- \*Panel Presentation: **Erwin, C. J.** An Interactive Conversation about the State of the Art, the Life of the Practitioner and the Care of Patients and Families., Medicine and Religion Conference, St. Louis, Missouri, April 2018. (Other)
- \*Grand Rounds in Ethics Series: **Erwin, C. J.** Utilitarianism and Deontology, February 2018. (Other)

### Kaur

#### Presentations/Exhibits/Productions

- \***Lee VH, Kaur G, Brower G.** Integration of ultrasound sessions into a Clinically Oriented Anatomy Curriculum: Lessons learned regarding timing. 2018 Sixth World Congress Ultrasound in Medical Education (Winston-Salem, NC, September 13-16 2018). (Accepted for poster presentation but meeting cancelled due to hurricane Florence).
- Kaur G.** Improving pancreatic islet cell survival by modulating the immune response and preventing amyloid formation. TTU Obesity-Research Cluster Seminar Series, (Lubbock, TX, March 5<sup>th</sup> 2018). **Invited podium presentation**

#### Editor or Member of Editorial Board

Editorial Board Member- Transplant Research and Risk Management, 2018-Present.

#### Manuscript Reviewer

Reproduction, Ad-Hoc, Manuscript Reviewer, 2012 - Present.  
Biology of Reproduction, Ad-Hoc, Manuscript Reviewer, 2018.  
Mediators of Inflammation, Ad-Hoc, Manuscript Reviewer, 2018.  
Asian Journal of Andrology, Ad-Hoc, Manuscript Reviewer, 2018 - Present.  
Indian Journal of Medical Research, Ad-Hoc, Manuscript Reviewer, 2017 - Present.

### Kruczek

#### Presentations/Exhibits/Productions

- \***Kruczek C, Kaur G, Jones B, Mitchell J, Edwards D, Pires B, Benejan K, Mendez E, Darter J, Loya C, Sorenson J, Brown T, Reynolds J.** A Student-Generated, Peer-Led Teaching Activity for MSK and Bone Disorders. STFM Conference on Medical Education. Poster Presentation. January 2019.

#### Extramural Professional Service

\*National Fire Academy Managing Officer Program Capstone Project Proposal. Passing the bug: assessing *Staphylococcus aureus* and MRSA contamination of shared SCBA equipment. **Project Consultant/Co-Investigator.** December 2018-Present.

### Pelley

#### Invited Presentations

- \***Pelley, J.W.** Applied metacognition: Self-directed learning applied to multiple modalities, 2018 Advancing Teaching and Learning Conference, Texas Tech University Teaching, Learning, and Professional Development Center, Lubbock, TX, March 2018
- \***Pelley, J.W.** Workshop on Concept Mapping. Wayne State University School of Medicine, Detroit, MI. July 2018.
- \***Pelley, J.W.** Introduction to the Expert Skills Program. Wayne State University School of Medicine, Detroit, MI. July 2018.
- \***Pelley, J.W.,** The Neurobiology of Learning, University of Texas at Rio Grande Valley School of Medicine, July 2018.
- \***Pelley, J.W.,** Applied metacognition: learning style and concept mapping. College of Pharmacy CREATE Graduate Program, Florida State A&M University, Tallahassee, FL, February 2018.



### Web-Based Scholarly Products

- \*Expert Skills Program at Texas Tech. A professionalism program that approaches learning skills as clinical skills that can be developed through the application of Deliberate Practice. For more information, visit the SuccessTypes Medical Education website. Introductory video at <https://youtu.be/UDxlVmKFB00>.
- \*SuccessTypes Medical Education website. Updated to include free access to SuccessTypes in Medical Education book and to the Expert Skills Program at Texas Tech (ESP). Links to useful readings in medical education as well as links for counselors working with at-risk medical students.

### Popp

#### Presentations/Exhibits/Productions

- \*Poster: Lee, V. H., **Popp, R. L.**, Van Sickle, A. Demonstration and Presentation of Pharyngeal Structures in an Interprofessional Educational Activity, Annual Meeting American Association of Clinical Anatomists, AACA, Atlanta, July 2018. (Accepted)
- \*Podium: **Popp, R. L.** Incorporating IPE into a Preclinical Medical Curriculum: Why and How?, Annual Meeting American Association of Clinical Anatomists, AACA, Atlanta, July 2018. (Invited)

### Pressley

#### Presentations/Exhibits/Productions

- \*Marshall University School of Medicine, “Exam Blueprinting to Enhance Fairness, Rigor, and Reproducibility,” April 10, 2018 (Invited)

#### Extramural Professional Service

Chair of Career Opportunities in Physiology Committee, American Physiological Society, Officer of Professional Organization, 2016 - 2018.  
Training and Career Opportunities Subcommittee, Federation of American Societies of Experimental Biology, Committee Member of Scientific Organization, 2013 - 2018  
Institute for Teaching and Learning, American Physiological Society, Co-organizer, 2018.

### Schneider

#### Invited Presentations

- \*Minimizing Stress in Anatomy, Honors Lunch Discussion seminar: Values-Based Culture and You, TTUHSC SGA  
*What's a Telomere Got to Do with It?*, Invited Speaker at Laura Bush Symposium, Dallas TX  
An Insight into Aging and Longevity TTUHSC High School Science Camp

#### Poster Presentations:

- Smith JT, White JW, Dungrawala H, Hua H, Rajan A, Bates I, **Schneider BL**. “Hormesis in aging—Roles for SIR2 and cell growth.” 2018 CSHL Mechanisms of Aging. Cold Spring Harbor, New York.
- \*Lee, VH, Higgins, K., Gates, M., and **Schneider, BL**. Formative Assessments in Anatomy: Two-year Quality Improvement Study of Self-Assessment Resources for Didactic Material 2018 American Association of Clinical Anatomists Meeting, Atlanta, GA
- \*Lee, V., Higgins, K., Gates, M., and **Schneider, BL**. Formative Assessments in Anatomy: Two-year Quality Improvement Study of Self-Assessment Resources for Didactic Material. 2018 Experimental Biology & American Association of Anatomists Meeting, San Diego, CA
- \*Smith J, Hua H, Bates I, **Schneider BL**. “SIR2 and Cell Growth Can Promote Longevity or Aging.” 2018 TTUHSC Student Research Week, Lubbock, TX

#### Manuscript reviewer

Cell Cycle  
G3: Genes, Genomes and Genetics



## Sobel

### Presentations/Exhibits/Productions

“Bioinformatics Educational Processes: Essential Elements in the Translational Science Toolkit”, accepted December 2018 for presentation at the Aerospace Medical Association's 90th Annual Scientific Meeting, May 2019. Cyber security and protection of critical (medical) infrastructure, podium, invited, Women in Energy, May 2018.

### Patents

Provisional patent filing titled “BIOMIMETIC INFECTION SENSING CATHETER COATING USING REAL TIME NONINVASIVE ACOUSTICAL ANALYSIS” with application number 62/458819 has been filed with the USPTO.

### Extramural Professional Service

Aerospace Medicine Human Factors Association, President of Professional Organization, 2018-Present.  
Aerospace Medicine Human Factors Association, Officer of Professional Organization, 2017 - Present.  
Journal of Biosecurity, Biosafety, and Biodefense Degruyter and Kudos, Texas, Member of Editorial Board, 2017 - Present.  
Journal of Data Enabled Discovery and Applications, Associate Editor, 2017 - Present.  
Journal of Biosecurity, Biosafety, and Biodefense Law, Texas Tech University Law Publishing, Member of Editorial Board, 2015 - Present.  
Aerospace Medical Association Scientific Program Committee, Committee Member of Scientific Organization, 2008 - Present.  
World Federation of Scientists, Permanent Monitoring Panel-Mitigation of Terrorist Acts, Committee Member of Scientific Organization, 2008 - Present.  
World Federation of Scientists, Permanent Monitoring Panel-One Health and Pollution, Committee Member of Scientific Organization, 2018- Present.

## Webster

### Presentations/Exhibits/Productions

\*Bunch, J., Webster, D., Brower, GL. Benefits of early clinical exposure using simulated patient encounters for first-year medical students. Proceedings of the 2018 American Physiological Society Institute on Teaching and Learning Workshop in Madison, Wisconsin.

### Manuscript reviewer

\*Anatomical Sciences Education, Regular, Manuscript Reviewer, 2017 - Present  
\*Medical Education Online, Regular, Manuscript Reviewer, October 2013 - Present  
\*Medical Science Educator, Regular, Manuscript Reviewer, October 2013 – Present; 8 MS reviewed in 2018.

### Abstract review:

\*International Association of Medical Science Educators (IAMSE), Regular meeting, Reviewer, 11 abstracts reviewed.  
\*SGEA-7 abstracts reviewed.  
\*AAMC Lead, Serve and Learn mtg., 8 abstracts reviewed.

## Williams

### Presentations/Exhibits/Productions

\*Poster: Lee, C., Garcia, K., Mortensen, Z., Wright, J., Cha, I., Anderson, N., Finley, L., Trotter, D., **Williams, S. C.** Effect of Wearable Technology on Patient-Physician Interaction in a Family Medicine Clinic, a pilot study, 51st STFM Annual Spring Conference, Society for Teachers of Medicine, Washington DC, May 2018. (Other)  
\*Podium: Burton, V., Anderson, N., Finley, L., Rush, K., Campbell, S. J., **Williams, S. C.** Enhancing Surgical Skills Through First Person Point of View Training Using Google Glass, Southern Group on Educational Affairs 2018, AAMC-SGEA, Jackson, MS, April 2018. (Other)





## Scholarly Activity 2018-2019

- \*Poster: Campbell, S. J., Bauer, V., Haynes, III, A. L., Peterson, D. L., Pomeroy, B., **Williams, S. C.** Formative Assessments in Enhancement of Surgery Clerkship NBME Performance, Southern Group on Educational Affairs 2018, AAMC-SGEA, Jackson, MS, April 2018. (Other)
- \*Podium: **Williams, S. C.**, Nelson, B. Incorporating on-line student directed complementary/alternative educational resources in medical education: the experience of two schools, Southern Group on Educational Affairs 2018, AAMC SGEA, Jackson, MS, April 2018. (Other)

### Jones

#### Invited Presentations

- \*Simpson D, Souza KH, Anderson A, Homboe E and others (**Jones BG**). The job roles of the 2025 medical educator: implications for faculty development. AAMC Learn Serve Lead Conference, Austin, November 3, 2018.
- \***Jones BG**, Overview of the NRMP Waiver Program for Accelerated Pathway Programs. Grand Rounds Presentation, Medical College of Wisconsin, Central Wisconsin Campus, Wausau WI, October 30, 2018.
- \*Jones BG. Career Development in Academic Medicine and Family Medicine Residency: Bloom Where You're Planted. Residency Conference Presentation, Medical College of Wisconsin, Central Wisconsin Campus, Wausau WI, October 30, 2018.

#### Presentations at Professional Meetings

- \***Jones BG**, Shen L, **Kaur G**, FMAT Students. A Student-Generated, Peer-Led Teaching Activity for Integrative Medicine in a Family Medicine Accelerated Track. Submitted to STFM Medical Student Education Conference, Portland, February 2020.
- \***Jones BG**, Cook RL, Prabhu FR, Babb F, Morales F. The Student-Generated Simulated Clinical Encounter: An OSCE on a Shoestring Budget. Submitted to STFM Medical Student Education Conference, Portland, February 2020.
- \*Coe C, Leong SL, **Jones BG**, Hunsaker M, Dodson L. Accelerated MD Program Graduates: views on their education, wellness, residency readiness and debt from the AAMC graduation questionnaire (GQ). Submitted to STFM Medical Student Education Conference, Portland, February 2020.
- \*Lloyd N, **Jones BG**. A Student-Led Arts in Medicine Elective for M1 and MS2 Students. Submitted to STFM Medical Student Education Conference, Portland, February 2020.
- \*Cangiarella J, Leong S, **Jones BG**, Coe C, Rundell K and others. Accelerated MD Program Graduates: views on their education, wellness, residency readiness and debt from the AAMC graduation questionnaire (GQ). AAMC Learn Serve Lead Conference, Phoenix November 2019.
- \***Jones BG**, Walker KC, **Williams S**. Student-Generated Videos: A Self-Directed Learning Project for Medical Students. Innovation Presentation. AAMC SGEA Conference, Orlando April 2019.
- \***Jones BG**, Arismendez S, Brown T, Gonzalez D, Hattenbach C, Morales F, Peck K. A Student-Led Rural Health Elective for M1 and MS2 Students. Poster presentation. STFM Conference on Medical Student Education, Jacksonville, February 2019.
- \***Jones BG**, Benejan K, Brown T, Darter J, Edwards DS, **Kruczek C**, Loya C, Mendez E, Mitchell J, Pires B, Reynolds J, Sorenson J. A Student-Generated, Peer-Led Teaching Activity for MSK and Bone Disorders. Poster presentation. STFM Conference on Medical Student Education, Jacksonville, February 2019.
- \***Jones BG**, Cook RL, Morales F, Patterson PJ. A deep dive into social mission for medical students. Poster presentation. STFM Conference on Medical Student Education, Jacksonville, February 2019.
- \***Jones BG**, **Cobbs L**. A deep dive into social mission for students and learning communities. Podium presentation, Learning Communities Institute, New York City, September 2018.
- \*Coe C, Cangiarella J, Hunsucker M, Kelly C, Lam Y, Leong SL, **Jones BG**, Fancher T, Rundell K. Accelerated Medical Pathway Programs: An Innovative Approach to Harmonizing the UME to GME Continuum. Panel Discussion. AAMC Continuum Connections Joint Meeting of GSA, GRA, OSR, ORR, Orlando, April 2018.



## Scholarly Activity 2018-2019

- \***Jones BG.** Patients, Physicians, & Populations (P3): A deep dive into social mission with a 1-week interblock course for first-year medical students. Podium Presentation. Beyond Flexner Conference, Atlanta, April 2018.
- \***Jones BG,** Trotter DRM, Arismendez SW, Chen A, DeWitt JP, Fields D, Gagnon D, Gomez S, Hall J, Walker Z. Using and Assessing SBIRT (Screening, Brief Intervention, and Referral to Treatment) and MI (Motivational Interviewing) to Enhance Communication in Healthcare & Health Literacy in the Family Medicine Accelerated Track (FMAT). Poster presentation. STFM Conference on Medical Student Education, Austin, February 2018.
- \***Jones BG,** Cook RC, Morales F, Trotter D. The Faculty Huddle: Preparing Faculty to Facilitate Monthly Learning Community Small Group Discussion Sessions. Oral presentation. STFM Conference on Medical Student Education, Austin, February 2018.
- \*Shou Ling Leong, MD; **Betsy Jones, EdD;** Daniel Schlegel, MD; Erin Cathcart, MPH, CPH; Shyla Arismendez, RN; Aaron Chen; Judy Dewitt; James Kent; Michael Partin. Key Steps in the Creation of a Successful 3-Year Accelerated MD Program: Voices of the Stakeholders. Oral presentation. STFM Conference on Medical Student Education, Austin, February 2018.

### Manuscript & Abstract reviewer

- \*MedEdPortal, AAMC
- \*CAFM Educational Research Alliance (CERA), Research Survey Submissions
- \*Medical Education Online