

NSU MD, Department of Medical Education Report (2019)

Brief Summary:

Department of Medical Education has productive and successful 2019. We matriculated second class of NSU MD in August 2019. The NSU MD school was able to get competitive grant for Opioid Education in medical School of \$ 250,000 from Florida Department of Children and families in October 2019. The faculty has published six peer-reviewed paper in medical education and scientific journals. The NSU MD faculty presented 15 medical education seminars, workshop, Panel Discussion and grand rounds at regional and national educational conferences in 2019. The NSU MD School has initiated program innovative program on “supportive relationship and early alert” for students’ well-being. Department of Medical Education faculty participated in “Student Summer Research program”. Several students worked with faculty in population health and medical education research. We initiated Medical Education research collaboration between NSU MD and CMS faculty to build interprofessional education research.

Grant funding (national and intramural)

- Longitudinal, Integrated Curriculum for Substance Use Disorders (LICSUD): Pain Management and Opioid Use Disorders Prevention and Treatment: Medical Education grant from Florida Department of Children and Families. Office of Substance Abuse and Mental Health. \$ 250,000
- Suzanne Templer, Sharon Sholiton, Vijay Rajput, Intramural funding for “Supportive relationship project to improve student well-being” for NSU MD students. \$ 6000
- Suzanne Templer, “Keeping Broward Well” HPD Grant, and partnership with Memorial Health System to allow for collaboration in the field of HIV and STI prevention. \$ 5000
- Farzanna S. Haffizulla, “Caribbean Diaspora Healthy Nutrition Outreach Project. \$ 25,000

National and International Medical Education Scholarship Activities (Invited and peer reviewed):

1. **Vijay Rajput**, Anuradha Mookerjee, **Daniel Griffin**, **Paula Wales**. The cultivation of Cognitive curiosity: key for Learning, Clinical Competence, Engagement and Well-being in Healthcare Profession. The Generalist in Medical Education Conference. Phoenix, Arizona, Nov 7-8, 2019. (Problem solving Session)
2. **Suzanne Templer**, **Sharon Sholiton**. Creating a Learning Community: 4 Pillars for Success. Learning Community Institute Kansas City, KS October 2019. (oral presentation)
3. **Suzanne Templer**, **Vijay Rajput**. Enhancing Students' Well-Being through Cultivation of Leadership Skills in Medical School Curriculum: Curricular Interventions to Improve Well-Being. CENTILE Conference. Washington DC, October 27-30, 2019 (workshop)
4. Kira Zwygart, **Vijay Rajput**, Annie Weisman, Eran Magen. Empowering Families and Partners to prevent Student Burnout. CENTILE Conference. Washington DC, October 27-30, 2019 (Panel Presentation)

NSU MD, Department of Medical Education Report (2019)

5. **Elizabeth Gray, Maria Padilla**, Escape Rooms: Re-Imaging Active Learning. Change Med Ed 2019 Conference. Chicago, Illinois, September 19, 2019. (Poster Presentation)
6. **Vijay Rajput, Paula Wales**, Anuradha Lele Mookerjee, Marcus Henning “The Cultivation of Cognitive Curiosity: Key for learning, clinical competence, Engagement and well-being in health care profession “International Faculty Development Meeting, Ottawa, Canada September 24, 2019 (workshop Presentation)
7. **Daniel Griffin**, “Kai Anderson, Michael Molter. Connecting and Actively Engaging Clerkship Students through Synchronous, Technology-supported, Team-Based Learning in a Distributed Campus Model.” Southern Group on Educational Affairs (SGEA) Regional Conference. March 2019. (workshop)
8. **Daniel Griffin**, “Ask the Experts Panel Discussion” – closing session of the conference based on expertise in Team-Based Learning. Team Based Learning Collaborative (TBLC) 18th Annual Meeting. March 2019. (Panel Discussion)
9. **Vijay Rajput**, Anuradha Lele Mookerjee, Marcus Henning “The Cultivation of Cognitive Curiosity: Key for learning, clinical competence, Engagement and well-being in health care profession “Association for Medical Education in Europe (AMEE) meeting, Vienna, Austria August 28, 2019 (workshop Presentation).
10. **Chase AJ**, Heck AJ. Team Teaching as an Approach for Enhancing Integration. Focus Session Presentation, International Association of Medical Science Educators 23rd Annual Meeting, Roanoke, Virginia, June 2019. (seminar)
11. **Chase AJ, Griffin D**, Rose PC. Achieving Content Integration in an Undergraduate Medical Education Curriculum through Interprofessional Team-Based Learning. International Association of Medical Science Educators 23rd Annual Meeting, Roanoke, Virginia, June 2019. (Poster Presentation)
12. Michael Munoz, Pracheeta Krishnan, Enrique Fernandez, **Vijay Rajput**, “The Dangerous Olive of Evidence: Ethical Tension between Technological Advancement and Social Determinants of Health in Diabetic Management.” Thirteenth Cave Hill Philosophy Symposium, April 24-26, 2019 in Barbados, West Indies, (oral presentation)
13. **Vijay Rajput**. “Physician well-being: It’s all about caring for patients” St Peter University Hospital, Rutgers University, New Jersey, July 30, 2019 (Medicine Grand Round).
14. **Vijay Rajput** “Suturing skills for Internist” American College of Physicians Annual Meeting in Philadelphia, April 2019 (Workshop, Course director).
15. **Vijay Rajput** “International Student Residency Application and Match”. ACP Annual Medical Students’ Step to Success Meeting. Harbor Hospital, Baltimore, MD, March 3rd, 2019. (Seminar presentation).

Peer-reviewed publications

NSU MD, Department of Medical Education Report (2019)

1. Mookerjee AL, Fischer BD, Cavanaugh S. **Rajput V.** "Innovative Curriculum: Integrating the Bio-Behavioral and Social Science principles across the Life Stages in Basic Science years. Medical Teacher, doi: [10.1080/0142159X.2018.1457214](https://doi.org/10.1080/0142159X.2018.1457214) , Published March, 2019
2. **Rajput V.** Listen, care, and going extra mile: Guiding principles for physicians and teachers in health-care profession. Indian J Med Spec 2019;10:1-5
http://www.ijms.in/temp/IndianJMedSpec1011-5196548_142605.pdf
3. Xinuo Guo, Manjunath M, **Rajput V.** They Like me, they like me not? Attaining Trust from residents and medical team during the clinical rotation of a medical student. AMEE MedEdPublish. Online peer reviewed publication on March 25, 2019.
<https://doi.org/10.15694/mep.2019.000064.1>
4. **Bauckman, K. A.**, R. Matsuda, C. B. Higgins, B. J. DeBosch, C. Wang and I. U. Mysorekar (2019). "Dietary restriction of iron availability attenuates UPEC pathogenesis in a mouse model of urinary tract infection." *Am J Physiol Renal Physiol*.
5. Rockfield, S., J. Guergues, N. Rehman, A. Smith, **K. A. Bauckman**, S. M. Stevens, Jr. and M. Nanjundan (2018). "Proteomic Profiling of Iron-Treated Ovarian Cells Identifies AKT Activation that Modulates the CLEAR Network." *Proteomics* **18**(23): e1800244.
6. Wang, C., **K. A. Bauckman**, A. S. B. Ross, J. W. Symington, M. M. Ligon, G. Scholtes, A. Kumar, H. W. Chang, J. Twentyman, B. E. Fashemi, R. J. Xavier and I. U. Mysorekar (2019). A non-canonical autophagy-dependent role of the ATG16L1(T300A) variant in urothelial vesicular trafficking and uropathogenic Escherichia coli persistence." *Autophagy* **15**(3): 527-542.

Medical Education Faculty Scholarship (work in progress)

- Team teaching as an approach for enhancing integration
- Achieving Content Integration in an Undergraduate Medical Education Curriculum through Interprofessional Team-Based Learning
- Integrating Medical geography for population health in medical education.
- Measuring outcomes of an integrative and solely lab-based anatomy education.
- Development of a quantitative method to track professionalism utilizing a real time reporting app.
- Measuring outcomes of a small group anti-vax session
- Measuring outcomes of a small group evidence-based medicine session
- "My Brain Barcode - Topological Data Analysis and Epilepsy"
- Assessment of Burnout in Women Physicians, an International Survey
- Social Determinants of Prostate Cancer Risk and Mortality in the Caribbean Diaspora of South Florida