

Announcing the Embark Program
2018 Mini-Manuscript Scholarship Award Winners

Generous donors of OUWB support students by funding scholarships that are awarded through the school's Embark program. Third year medical students have the option of preparing a mini-manuscript reporting their Embark program capstone project outcomes. The manuscripts are judged by a panel of faculty, and the students who prepared the top manuscripts are awarded partial scholarships to be used in their fourth year at OUWB.

Congratulations to the winners of the 2018 Mini-Manuscript Scholarship Awards.

Devon Freudenberger received the Ann V. Nicholson Embark Manuscript of the Year 2018. Freudenberger submitted her manuscript titled *Sports-related Concussion Knowledge and Attitudes of Intramural and Club Sport Athletes* with her mentor Victoria Lucia, Ph.D.

Multiple students were awarded the 2018 Ravitz Foundation Embark Competitive Scholarship.

Derrick Huang received the award for his submission *Communication and Bed Reservation: Decreasing Length of Stay for Emergency Department Trauma Patients* with mentor Scott Kleiman, D.O.

Amanda Marshall's manuscript *Fumonisin Exposure in Guatemalan Women of Childbearing Age: A Potential Link to the Observed High Incidence of Frontoethmoidal Encephalocele (FEEM)* with her mentors Judith Venuti, Ph.D., and Jay Eastman, M.D.

Sunny Bang's work titled *Impact of Early Educational Intervention on Coding for First-year Emergency Medicine Residents* with mentor Amit Bahl, M.D.

The 2018 Newman Foundation Embark Competitive Scholarship was awarded to Brandon Nguyen for his submission *Early Versus Late Gamma Knife Radiosurgery Following Transsphenoidal Surgery for Nonfunctioning Pituitary Macroadenomas* with mentors Inga Grills, M.D., and Kimberly Marvin.

The WJ and Lillian Kemler Embark Scholarship went to Lauren Foster for her work titled *Toxicity Profiles Following Whole Breast Irradiation Plus Sequential Boost Using Hypofractionated or Conventionally Fractionated Treatment* with mentors Maha Jawad, M.D., and Inga Grills, M.D.

Freudenberger, Manuscript of the Year winner, shares that her topic was inspired by her love for sports, her history as a soccer player and her observation that, despite a hard hit or fall during a game, many athletes, both professional and amateur, continue to play. "This concerned me and made me wonder: would an amateur athlete who is playing without medical supervision be able to recognize when they, a teammate or an opponent should be taken out of a game to be assessed for a concussion?" she says.

Ultimately, Freudenberger worked to determine what knowledge and attitudes the intramural and club sport athletes at Oakland University have toward sports-related concussions in order to decide whether it would be beneficial to implement an educational program for these athletes to improve knowledge on and attitudes toward the subject.

“This scholarship is special to me not only because of the financial support, but because it validates the hard work and effort I have put into this project from fruition to completion,” she says.

The students began work on their capstone projects in their first year of medical school. For many of the Mini-manuscript competition participants, preparing their articles for submission to the competition is the start of the final phase of their projects – that of scholarly achievements earned through dissemination of their findings at conferences and in journal article submissions.

Embark is a required scholarly concentration program of the Oakland University William Beaumont School of Medicine (OUWB) that provides a mentored introduction to research and scholarship. The four-year longitudinal curriculum consists of structured coursework in research design and implementation, compliance training, research communication and scholarly presentation, with protected time to develop mentored projects in a wide-range of community and health-related settings.