



# DMU MENTORED STUDENT RESEARCH PROGRAM

FRIDAY, JULY 19 // SEC AUDITORIUM

Poster Number	Category	Title	Presenting Author
1	Anatomy/Paleontology	An analysis of juvenile stature estimation	Tanner Pulsipher
2	Anatomy/Paleontology	Subadult sex estimation from ilia outlines	Kasia Marciniac
3	Anatomy/Paleontology	Frontal sinus variation in the DMU crania teaching collection	Marijo Botten
4	Anatomy/Paleontology	High altitude effect on maxillary sinus volume and surface area	Jaron Fowers
5	Anatomy/Paleontology	Taphonomic variation between pits at Rancho la Brea	Lindsay Mahaney
6	Biomedical Science	Expression of vasoconstrictor receptors in male and female rats after sensitization-induced hypertension	Jay Wegman
7	Biomedical Science	Effect of chronic intermittent hypoxia on neuronal nitric oxide synthase expression in the nucleus of the solitary tract	Erica Loon
8	Biomedical Science	Estrogen regulates the release of anti-inflammatory molecules in the paraventricular nucleus	Katrina Hartman
9	Biomedical Science	c-Myc oncogene targets BCKDH-E1 $\alpha$ promoter in lymphoma cells	Morgan Perrett
10	Biomedical Science	Pharmacologic regulation of AMPK and mTORC1 by Metformin and Rapamycin targets BCATc and BCATm in lymphoma cells	Eliza Plummer
11	Biomedical Science	Isolating the target site of the drug MST-312 on herpes simplex virus	Joe Metzger
12	Biomedical Science	Mutational strategies for knocking out a putative T6SS effector in <i>A. baumannii</i> 19606	Shalini Birari
13	Biomedical Science	C1q-dependent regulation of ERK1/2 phosphorylation does not alter TNF $\alpha$ or IFN $\alpha$ production from mouse macrophages	Danielle Beckley
14	Biomedical Science	Examination of a putative glycogen binding domain from <i>Trichomonas vaginalis</i> glycogen synthase	Madeline Colosimo
15	Biomedical Science	IL-39 (p19/Ebi3) as an inhibitor of bladder cancer	Hamza Alisic

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16	Clinical	An anatomical description of the lateral column in the context of Charcot midfoot collapse	Taylor Hale
17	Clinical	Correlation between duration of plantar heel pain and recovery expectations in individuals with plantar heel pain	Andrew Ferguson
18	Clinical	Protocol development for reducing falls in diabetic peripheral neuropathy	Cortney Elkin
19	Movement Science	Development of an Annual Physical Therapy Wellness Examination	Justus Sherman
20	Movement Science	The effect of foot type and flexibility on pressure distribution under the foot and torque around the fifth metatarsal base	Nathanael Seaberg and Michaela Heys
21	Movement Science	Scapulohumeral rhythm across plane and segments of arm elevation levels utilizing noninvasive methodology	Kyle Sickles
22	Public Health	The challenges of healthcare disparities in cancer screening among minority adults	Hayley Schuchard
23	Public Health	A systematic literature review of disability among sexual and gender minorities: Defining a gap in intersectionality research	Anna Avidan
24	Public Health	Genetic factors have less influence on obesity in adult male twins - the longitudinal National Heart, Lung, and Blood Institute Twin Study	Joseph Andrade
25	Public Health	A study to determine the effect of the Count the Kicks app on the rate of stillbirth	Ben Williamson
26	Public Health	Complication dynamics of Type 2 Diabetes: An estimation using the Period Life Table Model	Henry Chang
27	Public Health	Examining patterns of guardianship practice within Iowa from the publicly-available Iowa Courts online database	Chaniese Crowe
28	Anatomy/Paleontology	Exploring growth and metabolism of <i>Caiman crocodilus</i>	Elizabeth Asare-Morgan