



# RESEARCH & SCHOLARLY ACTIVITY

*2018-2022*

**CHSU** CALIFORNIA  
HEALTH SCIENCES  
UNIVERSITY  
COLLEGE OF OSTEOPATHIC MEDICINE

# Office of the Dean

## John Graneto, DO, MEd, FACOP, FACOEP-dist, FNAOME

### Dean

- Graneto J. Presentation: Leadership as Faculty Grow. Faculty Development Workshop. Virtual AACOM Conference. April 2021
- Boyanovsky B, Qureshi M, Kadavakollu S, **Graneto J**. Integration of Nutrition Topics in Osteopathic Medical School Curriculum – Shared Experience. MedEdPublish January 2021.
- Kadavakollu S, Moullet Z, Yoshida M, Qureshi M, Boyanovsky B, **Graneto J**. Undergraduate Pre-requisite Coursework: Six Important Tips for Pre-medical Students Considering Osteopathic Medical School in the USA, International Journal of Osteopathic Medicine, volume 42 pp 34-42, 2021.
- Catron L, **Graneto JW (Co-I)**. A Pilot Study of the Medical School Application Process Using a Standardized Participant 'Person of No Consequence' for Comparison to First Semester Objective Structured Clinical Examination Non-Cognitive Skills. AACOM Research Grant Application. 2019 (not funded)
- **Graneto JW**. Pediatric Office Emergencies for the primary care physician. Osteopathic Physicians and Surgeons of California Fall Meeting. Monterey, CA2018
- **Graneto JW**, Szymanski L, Marino T, Fogarty A. MBTI personality type of 4th year osteopathic medical students related to their match choices. Submitted to JAOA, pending review.
- **Graneto JW**. Adult Learning. Training the Osteopathic Professions Core Educators (TOPCE). 2018

## Lisa Chun, DO, MS, FNAOME, MEdL, CPE, OHPF

### Associate Dean, Osteopathic Clinical Education

- Goldgraben S, Johnston E, Bedi K, **Chun L**, Kadavakollu S. Integration of Community Health and Prevention Topics in an Osteopathic Medical School Curriculum. MedEdPublish. In press.
- **Chun L**. Osteopathic Manipulative Medicine in the Pediatric Patient with Asthma. 2019 Osteopathic Physicians and Surgeons of California. Monterey, 2019
- **Chun L**. Linking Predoctoral Education with Osteopathic Recognition and ONMM residencies. It is possible!. Journal of the American Osteopathic Association. 2019 (submitted)
- **Chun L**. What is Osteopathic Medicine? The Doctors' Academy. Sunnyside High School, Fresno, CA 2019
- **Chun L**. OMM in the Pediatric Patient with Asthma. Osteopathic Physicians and Surgeons of California, Monterey, CA 2019
- **Chun L**. Linking Predoctoral Education with Osteopathic Recognition and ONMM residencies. It is possible!. AACOM Annual Conference. Washington, DC2019
- **Chun L**. Osteopathic Manipulative Medicine for Community Acquired Pneumonia. Osteopathic Physicians & Surgeons of California (OPSC) Conference. San Diego, CA 2019
- **Chun L**. Introduction to Facilitated Positional Release, Osteopathic Physicians and Surgeons of California, Monterey, CA 2018

## Mahboob Qureshi, MD, MPH, PhD

### Associate Dean, Academic Affairs

- Boyanovsky B, **Qureshi M**, Kadavakollu S, Graneto J. Integration of Nutrition Topics in Osteopathic Medical School Curriculum – Shared Experience. MedEdPublish January 2021.
- Kadavakollu S, Moullet Z, Yoshida M, **Qureshi M**, Boyanovsky B, Graneto J. Undergraduate Pre-requisite Coursework: Six Important Tips for Pre-medical Students Considering Osteopathic Medical School in the USA, International Journal of Osteopathic Medicine, volume 42 pp 34-42, 2021.
- **Qureshi M**, Mavyan R. Poster presentation: Does Integrated board prep minimize student anxiety towards the COMLEX-USA Level 1 exam? 2021 AACOM Virtual Conference. 2021
- **Qureshi M**, Munir I, and Ahsan CH; Key Concepts: Vaccines and Vaccination: Conquering COVID19 in COVID-19 - Companion Handbook: A Case-based Approach. Ed. Ahsan CH; Orchid Printers, Dhaka, BD.( ISBN:978-1-63732-609-1)
- Benoit L, Burns CM, **Qureshi M**. Teaching immunology in an integrated system-based undergraduate medical curriculum: a learning experience. California Health Sciences University Educational Summit. Clovis, CA 2019
- **Qureshi M**, Qureshi O and Durre K. OPN receptors expression on immune effector cells in RSV infection is regulated by NKT cells. J Immunol May 1, 2019, 202 (1 Supplement) 119.22
- Catron L, **Qureshi M (Co-I)**. A Pilot Study of Faculty Student Advisor Training Using Standardized Participant Encounters



to Develop Competency in Difficult Student Conversations Involving Complex Feedback Skills. AACOM Research Grant Application \$3,500. 2019

- Mangold M, **Qureshi M**. Neurologic manifestations in anaphylaxis due to subcutaneous allergy immunotherapy: A case Report. *Medicine*. 97(18): e0578, 2018

## **Anne VanGarsse, MD, FAAP, CHCEF, CPE**

### **Associate Dean, Clinical Affairs, Community Engagement and Population Health**

- **VanGarsse A**. Being a Competitive Med School Applicant. UC Merced, CA 2019
- Ronecker J, Liu J, Newman R, **VanGarsse A**. Coaching, health and movement program (CHAMPS) Taught by Medical Students: A didactic curriculum and program analysis.
- Osteopathic Family Physician. July/Aug 2019; 11 (4): 12-17
- **VanGarsse A**. Third Year Community Health Center Track. AACOM Annual Conference. Washington DC 2019
- **VanGarsse A**. Evaluation of a Child with a Limp. Osteopathic Physicians & Surgeons of California (OPSC) Conference. San Diego, CA 2019
- **VanGarsse A**. One Safety Net Clinic's Experience with a Diabetes Integrated Practice Unit. The American Association for Physician Leadership Annual. Boston, MA 2019
- **VanGarsse A**. Promoting Linguistic Competence in Osteopathic Medical Students Early on in Clinical Encounters. The American Association of Colleges of Osteopathic Medicine Annual Conference. Washington DC 2018
- Brinckman D, Almeida A, **VanGarsse A**. Pediatric Dental and Primary Care Integration: a novel solution to address care gaps. The National Association of Community Health Centers Annual Conference. Orlando, FL 2018
- Brinckman D, Almeida A, **VanGarsse A**. Pediatric Dental and Primary Care Integration: a novel solution to address care gaps. The National Network for Oral Health Access Annual Meeting. New Orleans, LA 2018
- **VanGarsse A**. Our expectations of community clinical preceptors. How much is too much? Focused Topic Discussion Facilitator. The Association of American Medical Colleges annual conference. Austin, TX 2018

## **Academic Affairs and Assessment**

### **Rouby Mavyan, PhD**

#### **Director**

- Qureshi M, **Mavyan R**. Poster presentation: Does Integrated board prep minimize student anxiety towards the COMLEX-USA Level 1 exam? 2021 AACOM Virtual Conference. 2021
- **Mavyan R**, Kadavakollu S. A New Osteopathic Medical School with Unique Curriculum in a Serene Town of USA  
MedEdPublish <https://doi.org/10.15694/mep.2020.000026.1>. 11/02/2020

## **Department of Biomedical Education**

### **Joydeep Chaudhuri, MD**

#### **Associate Professor**

- Shapiro L, ID Keenan, **Chaudhuri JD**. Presentation: "Exploring the Most Effective Combination of Drawing Approaches for Observation and Understanding Three-Dimensional Anatomy". Anatomical Society of Southern Africa, April 19-21, 2022.
- **Chaudhuri JD**. Torres M, Johnston E. Presentation "Role of Culinary Medicine in Development of Life Skills in Medical Students". Society of Osteopathic Physician and Surgeons of California, Annual Meeting. January 9th, 2022
- **Chaudhuri JD**. "An Initial Preparation for Human Cadaveric Dissection Ameliorates the Associated Mental Distress in Students" *Anat Sci Educ*, in press
- Rao V, Viswakanth B, Moinis, R, **Chaudhuri JD**. "The Integration of Pre-laboratory Assignments within Neuroanatomy Augment Academic Performance, Increase Engagement and Enhance Intrinsic Motivation in Students". *Anat Sci Educ* (in press)
- **Chaudhuri JD**. "Changes in the learning styles and approaches of students following incorporation of drawing during cadaveric dissection". *Clin Anat*. 2021 34(3):437-450.
- St. Pierre AM, **Chaudhuri JD**. "A Bibliometric Comparison between Research in Occupational Therapy and Healthcare Policies in the United States and Australia". Presented at the Husson Research Day, April 15, 2021.
- Rao V, **Chaudhuri JD**. "The role of prelaboratory assignments in the improvement of academic performance and enhancement of intrinsic motivation in human cadaveric anatomy", *MOJ Anatomy & Physiology*, 2021, 8(1): 11-17.
- **Chaudhuri JD**. "Positive Changes in Learning Preferences and Improved Academic Performance following Incorporation of Drawing Exercises during Cadaveric Dissection". Presented at the American Association of Occupational Therapy (AOTA) Education Summit, October 16-17, 2020.

- St. Pierre AM, **Chaudhuri JD**. “An Increasing Emphasis on Evidence Based Interventions in Children with Developmental Disabilities”. Annals of Physiotherapy and Occupational Therapy, 2020 3(4): 9-26.
- Rani CH, Durgesh V, Rao V, Fazal M, **Chaudhuri JD**. “A study of the course, branching pattern and dimensions of the superior and inferior gluteal arteries”, Int J Sci Res, 2020 4 (12): 193-199.
- **Chaudhuri JD**. “Stimulating intrinsic motivation in millennial students: a new generation, a new approach”, Anat Sci Educ, 2020, 13(2): 250-271.
- Mustafa VSK, Venugopala RB, **Chaudhuri JD**. “Changes in Learning styles and Intrinsic Motivation following implementation of HVOD in Cadaveric Dissection. Presented at the American Association for Anatomy (AAA) Annual Meeting, April 6-10, 2020.
- **Chaudhuri JD**. “The effectiveness of Haptico-Visual Observation and Drawing (HVOD) technique in the Teaching of Anatomy in an Occupational Therapy Program”. Presented at the American Association of Occupational Therapy (AOTA) Education Summit, October 17-19, 2019.
- St. Pierre AM, **Chaudhuri JD**. “A Study of Trends in Occupational Therapy Research over Ten Years (2007-2016)”. Presented at the American Association of Occupational Therapy (AOTA) Annual Conference, April 4-7, 2019.
- Lakshmi AV, Vali MSK, Rao BV, Palayanthan N, **Chaudhuri JD**. “A detailed study of the course, branching pattern and dimensions of the uterine and vaginal arteries and their branches”, MOJ Anatomy & Physiology, 2019, 6(6):218-224.
- **Chaudhuri JD**. “Teaching the Generation Y Anatomy Student” Clinical and Experimental Anatomy, 2018, 1(2): 26-35.
- **Chaudhuri JD**, Rao V. Palayanthan N. “Using Text Analytics of AJOT Article Titles to Reveal Trends in Occupational Therapy Research”. Journal of Medical and Dental Sciences 2018, 17(6): 69-74.
- Viswanath B, **Chaudhuri JD**, Rao V, Palayanthan N. “The Concomitant Role of Near-Peer Tutoring and Shadow Modules in Student Teaching and Faculty Development in the Occupational Therapy Program”. Journal of Pedagogical Research 2018, 4(1): 30-33.
- **Chaudhuri JD**, Rao V. “Designing an effective Student Evaluation of Teaching (SET) questionnaire for cadaveric dissection”. Int J Res Med Sci 2018, 6(1): 378-82.

## **Jeffrey Hill, PhD**

### **Professor**

- Hill JP. Using Exam Reviews to Enhance Teaching and Define Learning Outcomes. Presentation at the 2019 Western New Mexico University Assessment Convocation. Silver City, NM. (Jan. 9, 2020)
- Hill JP. Working with Underprepared Students: Success Stories and Strategies for Success. Presentation at the 2019 Western New Mexico University Assessment Convocation. Silver City, NM. (Jan. 9, 2020)
- Hill JP, and D. Calkins. DocuSign and how to use it. Presentation at the 2019 Western New Mexico University Assessment Convocation. Silver City, NM. (Jan. 8, 2019)
- Hill JP. Using Zoom for Meetings, Teaching, Advising/Tutoring, and Lecture capture. Presentation at the 2018 Western New Mexico University Assessment Convocation. Silver City, NM. (Jan. 9, 2018)

## **Francisco Ibarra, PharmD**

### **Adjunct Assistant Professor**

- **Ibarra F Jr**, Loi K, Vu AW. Safety and Efficacy of Various Intravenous Insulin Infusion Rates in Patients With and Without Diabetes Presenting With Hypertriglyceridemia. Ann Pharmacother. 2022 Jan 6:10600280211070102. doi: 10.1177/10600280211070102. Epub ahead of print. PMID: 34991346.
- Xiao SQ, **Ibarra F Jr**, Cruz M. Intravenous Metoprolol Versus Diltiazem for Rate Control in Atrial Fibrillation. Ann Pharmacother. 2021 Nov 5:10600280211056356. doi: 10.1177/10600280211056356. Epub ahead of print. PMID: 34738470.
- **Ibarra F Jr**. Review of Prothrombin Complex Concentrates Use in Apixaban and Rivaroxaban Associated Intracranial Hemorrhages. J Pharm Pract. 2021 May 26:8971900211015059. doi: 10.1177/08971900211015059. Epub ahead of print. PMID: 34036837.

## **Hany E. Ibrahim, MD**

### **Associate Professor**

- Goldgraben S, **Ibrahim H**, Johnston E, and Nijjer-Sidhu A, virtual presentation: Wellness at a University in the Central Valley, , Physicians & Surgeons of California (OPSC) 2022 Annual Fun in the Sun Convention, Coronado Island Marriott Resort and Spa in Coronado, California on February 18, 2022.
- **Ibrahim H**. Improvisation Skills for Facilitating Great TBL Sessions!, Virtual Workshop, InteDashboard Series.June 2021

- Burns C, **Ibrahim H**. Workshop: Peer Evaluation and Team Development. TBL Fundamentals Series (Workshop 5). 10/29/20
- **Ibrahim H**, Lund K, Conte M, Catron L, Johnston E, Goldgraben S. Poster presentation: Integrating Hands-on Culinary Education in Medical School Curricula. 2020 IAMSE Annual Conference, Denver, CO. 2020
- Ibrahim H. Panopto Baic Recording Virtual Workshop. California Health Sciences University, College of Osteopathic Medicine. 2020
- **Ibrahim H**, Akunyili A, Burns CM. Educate to Motivate! Exploring the application of Self-Determination Theory and motivate Millennials and iGeners. TBLC Workshop Presentation. Portland, OR. 2019 (Accepted)
- Khalafalla F(PI), **Ibrahim H(PI)**, Coyne L(PI), Takemoto JK, Steed K, Merrit T. Peer-Reviewed Grant: Evaluation of the Utility of Serious Games in Virtual Reality for Pharmacy and Medical Students (Submitted). CHSU-RSF. \$15,000. 07/2020-06/2021.
- Burns CM and **Ibrahim H**. Peer Evaluation and Team Development. California Health Sciences University Education Summit Workshop Presentation. Clovis, CA. 2019
- **Ibrahim H**, Akunyili A, Lerwill K, Bonnin R. Transforming Medical Content: an e-Learning Rubric for Developing Online Modules. SGEA Poster Presentation. Orlando. FL. 2019
- Bonnin R, Akunyili A, **Ibrahim H**, Lerwill K. Assessment-based Predictive Analytics Tool. SGEA Oral Presentation. Orlando., FL. 2019
- Bonnin R, Akunyili A, **Ibrahim H**, Lerwill K. Assessment-based Predictive Analytics Tool. SGEA Poster Presentation. Orlando, FL. 2019
- Akunyili A, **Ibrahim H**, Lerwill K, Bonnin R. Transformation of Didactic Medical Content to Interactive Video Lectures (IVL) - Mass Production. IAMSE Poster Presentation. Roanoke, VA. 2019
- Bonnin R, Akunyili A, **Ibrahim H**. Reliability Across Assessments: Data-driven model for evaluating assessments. 2019 (Manuscript under review)

## **Samuel Kadavakollu, MSc, PhD**

### **Chair**

- Boyanovsky B, Qureshi M, **Kadavakollu S**, Graneto J. Integration of Nutrition Topics in Osteopathic Medical School Curriculum – Shared Experience. MedEdPublish January 2021.
- **Kadavakollu S**, Moullet Z, Yoshida M, Qureshi M, Boyanovsky B, Graneto J. Undergraduate Pre-requisite Coursework: Six Important Tips for Pre-medical Students Considering Osteopathic Medical School in the USA, International Journal of Osteopathic Medicine, volume 42 pp 34-42, 2021.
- **Kadavakollu S**, Shindi RS, Nummerdor HR, Singh VK, Pillai SB, Ontiveros SJ, Boyanovsky B. “Motivating High School Students from Rural Areas to Attend College and Pursue Careers as Osteopathic Physicians” Journal of American Osteopathic Association, 2020, inpress, ID: JAOA-2020-0033
- **Kadavakollu S**, Boyanovsky B, Culbertson R. “Single Accreditation and The Match: How Does the Change Affect Osteopathic Graduates?”. Medical Education Publish, 2020, 1, 1-7.
- **Kadavakollu S**, Mavyan R. “A New Medical School with Unique Curriculum in a Serene Town of USA.” Medical Education Publish, 2020, 1, 1-4.
- **Kadavakollu S**, Moullet Z, Yoshida M, Qureshi M. “Undergraduate Prerequisite Coursework: Six Important Tips for Pre-medical Students Considering Osteopathic Medical School.” Medical Science Educator, 2020, article in press ID: MDSE-D-20-00161.
- **Kadavakollu S**. MCAT Tips and Techniques. California State University, Fresno, CA. 2022
- Steed K, **Kadavakollu S**. How to Prepare for the Medical College Admissions Test (MCAT): Six Important Tips for Pre-Medical Students from Rural Areas. Medical Science Educator. 2019, 1,1-7.
- **Kadavakollu S**, Shipley T. A Novel Approach to Preparing Students for the Medical College Admission Test: Passage-Centered Learning (PCL). MedEdPublish Journal. 2019, 1, 1-3.
- Shipley T, Phu N, Etters A, **Kadavakollu S**. Comprehensive Medical College Admission Test Preparatory Course as a Strategy to Encourage Premedical Students to Pursue Osteopathic Medicine in Rural Areas. Journal of American Osteopathic Association, 2019, 119, 243-249.
- **Kadavakollu S.**, Mavyan R. A New Osteopathic Medical School with a unique Curriculum in a Serene Town. Journal of American Osteopathic Association, 2019(submitted).
- **Kadavakollu S.**, Boyanovsky B. Motivating High School Students Towards Careers in Osteopathic Medicine by Offering ACT and Biomedical Science Enrichment Program in Medically Underserved Areas. Journal of American Osteopathic Association, 2019, (submitted).
- **Kadavakollu S**. Chronic Pain Management from the Perspective of an Osteopathic Medical Student in NM. Journal of American Osteopathic Association, 2018, 118, 6-7.



- Boyanovsky B(PI), **Kadavakollu S.** Holographic Anatomy in Osteopathic Medical School – The Future is Here. An “eyes-on” booth camp for undergraduate students. CHSU-RSF. \$5,000.04/01/2020-04/25/2019
- Steed K, **Kadavakollu S.** CHSU Pre-Med Pathways Bootcamp. Central Valley Higher Education Consortium (CVHEC) Mini-Grant. CA \$5,000. 2019
- **Kadavakollu S.** Pre-Med Pathway Boot Camp for 4 weeks Fall 2019
- **Kadavakollu S.** CHSU MCAT Summer Camp for 8 weeks Summer 2019

## **Edward Merino, PhD**

### **Associate Professor**

- **Merino E**, Peer reviewed grant: Docking and 3D printing for enhanced student doctor learning. CHSU. \$ 14,000. 2021
- Earnest KG, McConnell EM, Hassan EM, Wunderlich M, Hosseinpour B, Bono BS, Chee MJ, Mulloy JC, Willmore WG, DeRosa MC, **Merino EJ.** Development and characterization of a DNA aptamer for MLL-AF9 expressing acute myeloid leukemia cells using whole cell-SELEX. Sci Rep. 2021 Sep 27;11(1):19174.
- Borcharding DC, Hugo ER, Fox SR, Jacobson EM, Hunt BG, **Merino EJ**, Ben-Jonathan N. Suppression of Breast Cancer by Small Molecules That Block the Prolactin Receptor. Cancers (Basel). 2021 May 28;13(11):2662.
- Mishra R, Yuan L, Patel H, Karve AS, Zhu H, White A, Alanazi S, Desai P, **Merino EJ**, Garrett JT. Phosphoinositide 3-Kinase (PI3K) Reactive Oxygen Species (ROS)-Activated Prodrug in Combination with Anthracycline Impairs PI3K Signaling, Increases DNA Damage Response and Reduces Breast Cancer Cell Growth. Int J Mol Sci. 2021 Feb 19;22(4):2088. doi: 10.3390/ijms22042088. PMID: 33669867; PMCID: PMC7923228.
- Mishra R, Yuan L, Patel H, Karve AS, Zhu H, White A, Alanazi S, Desai P, **Merino EJ**, Garrett JT. Phosphoinositide 3-Kinase (PI3K) Reactive Oxygen Species (ROS)-Activated Prodrug in Combination with Anthracycline Impairs PI3K Signaling, Increases DNA Damage Response and Reduces Breast Cancer Cell Growth. Int J Mol Sci. 2021 Feb 19;22(4):2088.
- Gasilina A, Premnauth P, Gurjar P, Biesiada J, Hegde S, Milewski D, Ma G, Kalin TV, **Merino EJ**, Meller J Seibel W, Cancelas JA, Vinnedge LP, Nassar NN: IODVA1, a guanidinobenzimidazole derivative, targets Rac activity and Ras-driven cancer models. PLoS One 2020
- Liu J, Zhu H, Premnauth G, Earnest KG, Hahn P, Gray G, Queenan JA, Prevette LE, AbdulSalam SF, Kadekaro AL, **Merino EJ.** UV cell stress induces oxidative cyclization of a protective reagent for DNA damage reduction in skin explants. Free Radic. Biol. Med. 2019, 134:133-138.
- Zhu H, Mishra R, Yuan L, Abdul Salam SF, Liu J, Gray G, Sterling AD, Wunderlich M, Landero-Figueroa J, Garrett JT, **Merino EJ.** Oxidative Cyclization-Induced Activation of a Phosphoinositide 3-Kinase Inhibitor for Enhanced Selectivity of Cancer Chemotherapeutics. ChemMedChem. 2019, 14(22):1933-1939.
- Yuan L, Mishra R, Patel H, Abdulsalam S, Greis KD, Kadekaro AL, **Merino EJ**, Garrett JT. Utilization of Reactive Oxygen Species Targeted Therapy to Prolong the Efficacy of BRAF Inhibitors in Melanoma. J. Cancer. 2018, 9,4665-4676

## **Sudhakar Pemminati, PhD, MSc, MBA**

### **Professor**

- Vasavi R. Gorantla, Vernon Bond Jr., James Dorsey, Sarah Tedesco, Tanisha Kaur, Matthew Simpson, **Sudhakar Pemminati**, Richard M. Millis qEEG Measures of Attentional and Memory Network Functions in Medical Students: Novel Targets for Pharmacopuncture to Improve Cognition and Academic Performance. Journal of Pharmacopuncture 2019;22[3]:166-170.
- Vasavi Rakesh Gorantla, Gina Parsons, Efal Sayed, Aya Fadel, Chrislene Olukoga, Yulia Andreevna Volkova, **Sudhakar Pemminati**, Richard Mark Millis. Electroencephalographic Correlates of Brain Adaptations to Medical School Academic Challenges – A Pilot Study. Journal of Clinical and Diagnostic Research 2018;12(4):CC05-CC08.
- Vernon bond jr, Alexis Osby, Thomas Obisesan, Krishna Kumar, **Sudhakar Pemminati**, Vasavi Rakesh Gorantla, Yulia Andreevna Volkova, Richard Mark Millis. Effects of Aerobic Exercise on Frontal EEG Asymmetry, Coherence and Mood. Journal of Clinical and Diagnostic Research 2018;12(6):CC05-CC10.

## **YanFei Qi, PhD, MD, MSc**

### **Associate Professor**

- Yang T, Aquino V, Lobaton G, Li H, Colon-Perez L, Goel R, **Qi Y**, Zubcevic J, Febo M, Richards E, Pepine CJ, Raizada MK. Sustained Captopril-Induced Reduction in Blood Pressure Is Associated With Alterations in Gut-Brain Axis in the Spontaneously Hypertensive Rat. J Am Heart Assoc. 2019 Feb 19;8(4):e010721.
- Kim S, Goel R, Kumar A, Qi Y, Lobaton G, Hosaka K, Mohammed M, Handberg EM, Richards EM, Pepine CJ, Raizada MK. Imbalance of gut microbiome and intestinal epithelial barrier dysfunction in patients with high blood pressure. Clin Sci (Lond). 2018;132(6):701-718.

## **Sherese Richards, MD, MBA**

### **Assistant Professor**

- Amiralli (H), Joseph (S), **Sherese (R)** (2018), Dissecting the Future: A Critical Review of Anatomy's Past, Present, and Future Following the Carnegie Foundation's Call for Medical Education Reform. Journal of The Anatomical Society of India.

## **Department of Specialty Medicine**

### **Sara Goldgraben, MD, MPH, MBA**

#### **Assistant Professor**

- **Goldgraben S**, Johnston E, Bedi K, Chun L, Kadavakollu S. Integration of Community Health and Prevention Topics in an Osteopathic Medical School Curriculum. MedEdPublish. In press.
- **Goldgraben S**, Ibrahim H, Johnston E, and Nijjer-Sidhu A, virtual presentation: Wellness at a University in the Central Valley, , Physicians & Surgeons of California (OPSC) 2022 Annual Fun in the Sun Convention, Coronado Island Marriott Resort and Spa in Coronado, California on February 18, 2022.
- Ibrahim H, Lund K, Conte M, Catron L, Johnston E, **Goldgraben S**. Poster presentation: Integrating Hands-on Culinary Education in Medical School Curricula. 2020 IAMSE Annual Virtual Conference, Denver, CO. 2020
- **Goldgraben S**. Public Health Update: The Power of Prevention, pp. 44 - 45. April 30, 2019 Central Valley Physicians—Fresno, Madera, and Kings Counties. Spring 2019. [https://issuu.com/fmms/docs/cvp\\_spring\\_web\\_2019](https://issuu.com/fmms/docs/cvp_spring_web_2019)
- **Goldgraben S**. Overview of Death Certificates. University California San Francisco, Fresno. March 2019

## **Department of Primary Care**

### **Lindsey Faucette, DO**

#### **Adjunct Assistant Professor**

- Yoshida M(PI), Takemoto JK, **Faucette L**. Peer-Reviewed Grant: Improving Cultural Competence and Osteopathic Medicine Integration in the Central Valley (Submitted). CHSU-RSF. \$5,000.07/2020-06/2021.

### **Avtar Nijjer-Sidhu, PhD, RD**

#### **Assistant Professor**

- Goldgraben S, Ibrahim H, Johnston E, and **Nijjer-Sidhu A**, virtual presentation: Wellness at a University in the Central Valley. Physicians & Surgeons of California (OPSC) 2022 Annual Fun in the Sun Convention, Coronado Island Marriott Resort and Spa in Coronado, California on February 18, 2022.
- **Nijjer-Sidhu A**. Presentation: Lessons Learned from Utilization of an In-Home Service Provider to Improve Outcomes in the Medicaid Population. American Public Health Association 2019 Annual Meeting and Expo. Philadelphia, PA 2019

## **Department of Osteopathic Principles and Practices**

### **Alexander Frantzis, DO**

- **Frantzis A**. Presentation: An Osteopathic Approach to Sports Medicine, Family Medicine Residency Program - Dignity Health, Santa Maria, CA January 15, 2022

### **Jared Ham-Ying, DO**

#### **Assistant Professor**

- **Ham-Ying J**. Deliberate: An Overlooked Aspect of the Pearl Harbor Bombing. World of Warships Magazine. December 2019;34-41.
- **Ham-Ying J**. Presentation: OMM for the GI Patient, Osteopathic Physicians & Surgeons of California (OPSC) "Small Bite" CME Series, Virtual, November 4, 2022

### **Krista Lund, DO**

#### **Assistant Professor**

- **Lund K**. Introduction to Osteopathic Medicine - What's a D.O.? CHSU Pre-Med Pathway Boot Camp 2021. CHSU-COM. Clovis, California. 2021.
- **Lund K**. Two Osteopathic Techniques for Improving Lymphatic Circulation - Rib Raising and Thoracic Diaphragm Myofascial Release. Virtual OMM Vignette for OPSC. 2020
- **Lund K**. Introduction to Osteopathic Medicine - What's a D.O. CHSU Virtual MCAT Boot Camp. 2020

- Ibrahim H, **Lund K**, Conte M, Catron L, Johnston E, Goldgraben S. Integrating Hands-on Culinary Education in Medical School Curricula. International Association of Medical Science Educators (IAMSE) Virtual Conference. June 2020
- Lund K, Conte M, Kumar S. Presentation: Introducing Osteopathic medicine and CHSU-COM. CHSU-COM. Kingsburg High School Pre-Med Club. January 17, 2020
- Lund, K. Catron, L. Intro to Osteopathic Medical School and Fun with Moulage. Sherman Thomas STEM Academy. 2019
- **Lund K**. What's a D.O.? Pre-Med Pathway Bootcamp. CHSU-COM. Clovis, CA. September 7, 2019
- Yoshida M, **Lund K**, Conte M. OPP Faculty Onboarding Program. CHSU-COM. Clovis, CA. September 10, 2019.
- Invited Guest Faculty for Midwestern University Arizona College of Osteopathic Medicine's 40 hour Cranial Course – 4.5 hours of the lectures and a table trainer in all the lab sessions. 2019
- Lund K. Introduction to Osteopathic Medicine. MCAT Prop Summer Camp. CHSU-COM. Clovis, CA. July 7, 2019
- Zavala J, **Lund K** and Hughes J. Poster presentation: Development of a Methodology for Assessing Health Professions Students' Awareness of Other Health Professions. CHSU Educational Summit, CA 2019
- **Lund K**, Kadavakollu S. Osteopathic Awareness Amongst Pre-Med Students Taking an MCAT Prep Course at the Site of a New Osteopathic College (inprocess)
- **Lund K**. Osteopathic Awareness Amongst Pharmacy Students Collaborating With an Osteopathic College of Medicine (in process)
- **Lund K**. Osteopathic Techniques for Improving Lymphatic Drainage. Osteopathic Physicians & Surgeons of California (OPSC) Conference. Monterey, CA 2019

## Simulation Center

**Leslie D. Catron, M.A.ED, BSN, RN, CHSE**

### Simulation Center Director

- Catron L, Herrera R, Yosioka N & Ross S. Manikins, SPs, Zoom, OH MY! Combining A/V Technology for Effective Student Learning. 2021 Education Management Solutions User Summit. July 14 2021
- Catron L, Herrera R & Merritt T. Tag Team Sim in a PreMed Bootcamp. International Meeting for Simulation in Healthcare 2021 Live Virtual Presentation. March 11, 2021
- **Catron L**, Herrera R & Muellenbach J (PI). NNLM Express Outreach Award: Health Careers Boot Camp Series: Increasing the Health Professions Pipeline in California's Central Valley. \$20,000. National Network of Libraries of Medicine May 1, 2020 - April 30, 2021
- **Catron L** & Yoshioka N. Bring Patients to Life Start a Standardized Patient Program. International Meeting for Simulation in Healthcare 2021 Live Virtual Presentation. February 8, 2021
- **Catron L** & Herrera R. Simulation Center Sustainability: Building a Business Plan that Works. Education Management Solutions International Webinar. February 3, 2021
- **Catron L**. Large Group Learning: Simulation Intensive Mastery Camp. International Meeting for Simulation in Healthcare 2021 Video Presentation. January 15, 2021
- Goldberg G, Carter-Wicker K, **Catron L**. Advanced Communication Skills (Part 2): General Principles and Specific Applications (End of Life, Goals of Care Conversations). DOCS 2020 Virtual Workshop. October 12, 2020.
- Ibrahim H, Lund K, Conte M, **Catron L**, Johnston E & Goldgraben S. Poster Presentation: Integrating Hands-on Culinary Education in Medical School Curricula. IAMSE 2020
- **Catron L**. Webinar: Staying Patient Focused Developing a Standardized Patient Program from Scratch. 2020 Nursing Section Educational Series. June 23, 2020.
- **Catron L**. Hands-on Workshop - SIMCamp: Simulation Intensive Mastery Course/Camp, Large Group Learning. IMSH 2020. San Diego 2020 (accepted)
- **Catron L**. Hands-on Workshop - Stand Out! Writing A CV, Getting Hired, Staying Hired. IMSH 2020. San Diego 2020 (accepted)
- **Catron L**. Hot Topic - Staying Patient Focused Developing a Standardized Patient Program from Scratch. IMSH 2020. San Diego 2020 (accepted)
- **Catron L**. Webinar "Mental Health Simulation for Large Groups". Clovis, CA 2019
- **Catron L**. "Refining with Project, Processes and Performances in Perioperative Services", International Nursing Association for Clinical Simulation and Learning (INACSL) Conference. Phoenix, AZ 2019
- Follmer A, Cavanaugh S, **Catron L**, Lowther M & Stiner J. Panel (Accepted) Sim fails! You don't! Strategize from lessons learned. SimOps Conference. Norfolk, VA 2019 (accepted)
- **Catron, L**. Podium (Accepted) The synergy of team training: SIMCamp a new model. SimOps Conference. Norfolk, VA 2019 (accepted)
- **Catron L (PI)**, Qureshi M. A Pilot Study of Faculty Student Advisor Training Using Standardized Participant Encounters



to Develop Competency in Difficult Student Conversations Involving Complex Feedback Skills. AACOM Research Grant Application \$3,500. 2019

- **Catron L (PI)**, Graneto J. A Pilot Study of the Medical School Application Process Using a Standardized Participant 'Person of No Consequence' for Comparison to First Semester Objective Structured Clinical Examination Non-Cognitive Skills. AACOM Research Grant Application. 2019 (not funded)
- **Catron L**. SSH Nursing Section Presentation Refining with projects, processes and performances in perioperative services. International Nursing Associations for Clinical Simulation and Learning Conference, Phoenix AZ 2019
- **Catron L** & Bilskey K. Silent Disco Moulage redesigned: Functional reality. 19th International Meeting for Simulation in Healthcare IMSH 2019, San Antonio, TX 2019(accepted)
- **Catron L**. Silent Disco Defining competency-based interprofessional simulation team development: An educational model process. 19th International Meeting for Simulation in Healthcare IMSH 2019, San Antonio, TX 2019 (accepted)
- **Catron L**, Bilskey K & Scaffidi K. Silent Disco Refining with project, processes and performances in perioperative services, 19th International Meeting for Simulation in Healthcare IMSH 2019, San Antonio, TX 2019 (accepted)
- **Catron L**. Presentation Simulation: Why bother. Association of Operating Room Nurses Central Valley Chapter, Fresno, CA 2018
- **Catron L**. Breakout Session Interprofessional simulation. Advanced Care of the Pediatric Patient Conference, Valley Children's Healthcare Madera, CA 2018
- Cooper L & **Catron L**. Presentation: Hands-on orientation for embedded learning: Taking didactic knowledge to the simulation experience, a pilot critical care transport team orientation SIMCamp. International Meeting for Simulation in Healthcare IMSH 2018, Los Angeles, CA 2018
- **Catron L**. Presentation Train faculty for simulation: How a stand-alone rural hospital developed a competency-based, interprofessional simulation education model using simulation standards for team development. International Meeting for Simulation in Healthcare IMSH, Los Angeles, CA 2018
- Bethards ML, Bidigare C, **Catron L**, Clippard H, Cook S, Grbach W, Gable J, Martin J & Siegel MC. Presentation Challenges of implementing simulation in community colleges. International Meeting for Simulation in Healthcare 2018, Los Angeles, CA 2018
- Lemoine TJ, **Catron L**, Webber T, Seigel S, Poliquin C, Rodriguez E, Hernandez DA, Geller EG & Kallas HJ. Poster: Using interprofessional simulation training for building a new pediatric ECLS center. International Meeting for Simulation in Healthcare IMSH 2018, Los Angeles, CA 2018
- Bethards M, Cook S, Bidigare C, **Catron L**, Clippard H, German K, Grbach W, Gable J, Martin J & Siegel MC. Challenges of implementing healthcare simulation in community colleges: A white paper presented to the Society for Simulation in Healthcare and the International Nursing Association for Clinical Simulation and Learning by the Nursing Section Community College Work group. 2018
- Bilskey K & **Catron L**. Chapter 43: SIMCamp: Trauma Simulation, Rapid Cycle Deliberate Practice Team Training. In S.H. Campbell & K. Daley (eds) Simulation Scenarios for Nursing Educators: Making it REAL (3rd Ed). (pp.27-36). New York, N.Y. Springer Publishing Company, Inc. 2018

## Health Sciences Library

**Joanne Muellenbach, MLS, AHIP**

**Library Director and Associate Professor**

- Muellenbach J. (2021). A Pilot to Initiate Research Data Management Services Within Academic Libraries Helps Librarians to Learn About, Engage With, and Enhance Skills Within Their Research Communities. Evidence Based Library and Information Practice, 16(1), 104–106. <https://doi.org/10.18438/ebliip29879>
- **Muellenbach J**, Duncan W, Vanier C, Ennis L, Yang A. Services and staffing practices within academic health sciences libraries serving college of osteopathic medicine programs: a mixed methods study. Journal of the Medical Library Association, 108 (3):408-419. 2020
- Catron L, Herrera R & **Muellenbach J (PI)**. NNLM Express Outreach Award: Health Careers Boot Camp Series: Increasing the Health Professions Pipeline in California's Central Valley. \$20,000. National Network of Libraries of Medicine May 1, 2020 - April 30, 2021
- **Muellenbach, J.** (2020). Focused bedside education may improve engagement of hospitalized patients with their patient portals. Evidence Based Library and Information Practice, 15(1), 251-253.
- **Muellenbach, J (PI)**. Express Outreach Award: Using Virtual Reality and 3D Technologies to Increase the Health Professions Pipeline in Southern Nevada. \$12,000. National Network of Libraries of Medicine – Pacific Southwest Region. May 1, 2019 – April 30, 2020.
- **Muellenbach, J.** Poster Presentation: Services and Staffing Practices within Academic Libraries Serving College of

Osteopathic Medicine Programs: A Mixed Methods Study. Medical Library Association 2019 Annual Meeting, Chicago, Illinois. (invited)

- **Muellenbach, J.** Poster Presentation: Research Development Webinar Series: A Collaboration Amongst Touro College and University System Libraries. Medical Library Association 2019 Annual Meeting, Chicago, Illinois (invited)
- Dexter N, **Muellenbach J**, Lorbeer E, Rand R, Wilcox ME, Long BA. Building new 21st-century medical school libraries from the ground up: challenges, experiences, and lessons learned. *Journal of the Medical Library Association*. 2019; 107(1):6–15. URL: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6300241/>
- **Muellenbach J.** (2018). The Role of Reading Classic Fiction in Book Groups for People with Dementia is Better Understood through Use of a Qualitative Feasibility Study. *Evidence-Based Library and Information Practice*, 13(2), 97-99. <https://doi.org/10.18438/ebliip29417>
- **Muellenbach JM**, KM Houk, D Thimons, B Rodriguez (2018). “Integrating Information Literacy and Evidence-Based Medicine Content within a New School of Medicine Curriculum: Process and Outcome.” *Medical Reference Services Quarterly*, 37:2, 198-206, DOI: 10.1080/02763869.2018.1439225.

# Grants

## External

- Johnston E, Goldgraben S. Nutritional and Culinary Skills in First Year Osteopathic Medical Students. TBLC. \$2,470. 2021
- Steed K, Ibrahim H. Remote "Face to Face" Team-Based Learning Using Extended Reality. TBLC. \$1,200. 2021
- Steed K, Kadavakollu S. CHSU Virtual Pre-Med Pathways Bootcamp. Central Valley Higher Education Consortium (CVHEC) Mini- Grant. CA \$6,000. 2021
- Muellenbach, J (PI). NNLM Express Outreach Award: Health Careers Boot Camp Series: Increasing the Health Professions Pipeline in California's Central Valley. \$20,000. National Network of Libraries of Medicine May 1, 2020 - April 30, 2021
- Muellenbach, J (PI). Express Outreach Award: Using Virtual Reality and 3D Technologies to Increase the Health Professions Pipeline in Southern Nevada. \$12,000. National Network of Libraries of Medicine - Pacific Southwest Region. May 1, 2019 - April 30, 2020.
- Coyne L, Takemoto JK and Merritt T. Virtual Reality to Improve Learner Outcomes in Anti-Arrhythmic Drug Pharmacology (Submitted). IAMSE Curriculum Innovation Grant. \$1153.20.06/2020-05/2022.
- Steed K, Kadavakollu S. CHSU Pre-Med Pathways Bootcamp. Central Valley Higher Education Consortium(CVHEC) Mini-Grant. CA \$5,000. 2019
- Catron L, Graneto JW (Co-I). A Pilot Study of the Medical School Application Process Using a Standardized Participant 'Person of No Consequence' for Comparison to First Semester Objective Structured Clinical Examination Non-Cognitive Skills. AACOM Research Grant Application. 2019 (not funded)
- Catron L, Qureshi M (Co-I). A Pilot Study of Faculty Student Advisor Training Using Standardized Participant Encounters to Develop Competency in Difficult Student Conversations Involving Complex Feedback Skills. AACOM Research Grant Application \$3,500. 2019

## Internal

- Khalafalla F(PI), Coyne L(PI), Ibrahim H(PI), Takemoto JK, Steed K, Merrit T. Peer-Reviewed Grant: Evaluation of the Utility of Serious Games in Virtual Reality for Pharmacy and Medical Students (Submitted). CHSU-RSF. \$15,000. 07/2020- 06/2021.
- Takemoto JK(PI), Steed K(PI), Coyne L, Douglas C. Peer-Reviewed Grant: Virtual Reality Interventions to Well-being (Submitted). CHSU-RSF. \$11,000. 08/2020-07/2021.
- Yoshida M(PI), Takemoto JK, Fauette L. Peer-Reviewed Grant: Improving Cultural Competence and Osteopathic Medicine Integration in the Central Valley (Submitted). CHSU-RSF. \$5,000.07/2020-06/2021
- Boyanovsky B(PI), Kadavakollu S. Holographic Anatomy in Osteopathic Medical School – The Future is Here. An "eyes-on" booth camp for undergraduate students. CHSU-RSF. \$5,000.04/01/2020-04/25/2019