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Recent Faculty Publications

1. Baravkar SB, Lu Y, **Masoud AR**, Zhao Q, He J, **Hong S**. Development of a Novel Covalently Bonded Conjugate of Caprylic Acid Tripeptide (Isoleucine-Leucine-Aspartic Acid) for Wound-Compatible and Injectable Hydrogel to Accelerate Healing. *Biomolecules*. 2024 Jan 11;14(1):94. doi: 10.3390/biom14010094. PMID: 38254694; PMCID: PMC10813153.
2. **Doiron JE**, Li Z, Yu X, **LaPenna KB**, Quiariarte H, Allerton TD, **Koul K**, **Malek A**, Shah SJ, Sharp TE, Goodchild TT, **Kapusta DR**, Lefer DJ. Early Renal Denervation Attenuates Cardiac Dysfunction in Heart Failure With Preserved Ejection Fraction. *J Am Heart Assoc*. 2024 Feb 20;13(4):e032646. doi: 10.1161/JAHA.123.032646. Epub 2024 Feb 14. PMID: 38353216.
3. **Flanagan TW**, **Foster TP**, **Galbato TE**, Lum PY, Louie B, Song G, Halberstadt AL, Billac GB, **Nichols CD**. Serotonin-2 Receptor Agonists Produce Anti-inflammatory Effects through Functionally Selective Mechanisms That Involve the Suppression of Disease-Induced Arginase 1 Expression. *ACS Pharmacol Transl Sci*. 2024 Jan 25;7(2):478-492. doi: 10.1021/acscptsci.3c00297. PMID: 38357283; PMCID: PMC10863441.
4. **Maginnis C**, Root C, **Schiavo JH**, Ierulli VK, Vopat B, Mulcahey MK. Analysis of Graft Types Augmented With an Internal Brace for ACL Reconstruction: A Systematic Review. *Am J Sports Med*. 2024 Jan 25;3635465231196157. doi: 10.1177/03635465231196157. Epub ahead of print. PMID: 38269417.
5. **Palines PA**, Doran HE, **Schwartzberg HG**, **Melancon DM**, **Bartow MJ**, Aslam R, **St.Hilaire H**. Virtual Surgical Planning Facilitates Surgical Resection in Mandibular Osteoradionecrosis and Optimize Reconstructive Outcomes. *FACE*. 2024;5(1):112-121. doi:10.1177/27325016231218672
6. **Rhodes RH**, **Love GL**, **Da Silva Lameira F**, **Sadough Shahmirzadi M**, **Fox SE**, **Vander Heide RS**. Acute neutrophilic vasculitis (leukocytoclasia) in 36 COVID-19 autopsy brains. *Diagn Pathol*. 2024 Feb 15;19(1):33. doi: 10.1186/s13000-024-01445-w. PMID: 38360666; PMCID: PMC10870569.
7. **Shen L**, Gao L, Swoboda AR, Ouellette SP. Targeted repression of DNA topoisomerase I by CRISPRi reveals a critical function for it in the Chlamydia trachomatis developmental cycle. *bioRxiv [Preprint]*. 2023 Mar 14:2023.03.14.532001. doi: 10.1101/2023.03.14.532001. Update in: *mBio*. 2024 Jan 24;:e0258423. PMID: 36993624; PMCID: PMC10054935.
8. **Wilson JM**, **Shelvin KB**, **Lawhon SE**, **Crabill GA**, **Hayden EA**, **Velander AJ**. Safety and timing of early therapeutic anticoagulation therapy after craniotomy. *Surg Neurol Int*. 2024 Feb 2;15:31. doi: 10.25259/SNI_887_2023. PMID: 38468647; PMCID: PMC10927226.