Research Publications

Refereed Papers:


82. Wu X, Davis GE, Meininger GA, Davis MJ: Regulation of the L-type calcium channel by \( \alpha_5\beta_1 \) integrin requires signaling between focal-adhesion proteins. J Biol Chem 276: 30285-30292, 2001.


94. Martinez-Lemus LA, Crow T, Davis MJ, Meininger GA. \( \alpha_v\beta_3 \) and \( \alpha_5\beta_1 \) integrin blockade inhibit the


Manuscripts in Press:


175. Hong K, Zhao G, Hong A, Sun Z, Clifford PS, Davis MJ, Meininguer GA, Hill MA: Mechanical activation of angiotensin II Type 1 receptors causes actin remodeling and myogenic responsiveness in skeletal muscle arterioles (J of Physiol)

Manuscripts in Revision:

Raqueeb A, Sheng JZ, Meng Z, Davis MJ, Braun AP: The integrin ligand vitronectin evokes Ca^{2+} mobilization and eNOS activation in human vascular endothelial cells (J Vascular Res)

Lapinski PE, Lubeck BA, Davis MJ*, King PD*: RASA1 regulates the function of lymphatic vessel valves in mice (J Clin Invest) * equal contributions

Munger SJ, Davis MJ, Simon AM: Defective lymphatic valve development and chylothorax in mice with a lymphatic-specific deletion of Connexin43 (Developmental Biology)

Manuscripts Submitted:
Jamalian S, Jafarnejad M, Gashev AA, Zawieja DC, Moore JE Jr*, Davis MJ*: Hydrostatic suction pressures generated by active pumping of collecting lymphatic vessels (*J of Physiol*) * equal contributions

Zawieja SD, Castorena-Gonzales J, Scallan JP, Davis MJ: Somatic but not visceral lymphatic collecting vessels from C57/Bl6 mice display robust contractility and pumping behavior (*J of Physiol*)


*Behringer EJ, *Scallan JP, Jafarnejad M, Moore JE Jr., Davis MJ*,^ and Segal SS^ Calcium and Electrical Dynamics in Lymphatic Endothelium (*J of Physiol*)*,^ equal contributions

McKaskill C, Davis MJ, Moore JE Jr, Bertram C: Comparison of measured and predicted lymphatic valve properties during ramp-wise elevations in outflow pressure (*J Biomech Eng*)