

Title	Journal	Link	Publication date	References	Top Paper
Endothelial cells drive organ fibrosis in mice by inducing expression of the transcription factor SOX9	Science Translational Medicine	https://www.science.org/doi/10.1126/scitranslmed.abq4581	2024	Felix A, Trogisch, Aya, Abouissa, Merve, Keles, Anne, Birke, Manuela, Fuhrmann, Gesine M, Dittrich, Nina, Weinzierl, Elvira, Wink, Julio, Cordero, Adel, Elshebiny, Abel, Martin-Garrido, Steve, Grein, Shruthi, Hemanna, Ellen, Hoffmann, Luka, Nicin, Sofia-Iris, Bibli, Rannar, Airik, Andreas, Kispert, Ralf, Kist, Sun, Quanchao, Sina W., Kürschner, Manuel, Winkler, Norbert, Gretz, Carolin, Mogler, Thomas, Korff, Philipp-Sebastian, Koch, Stefanie, Dimmeler, Gergana, Dobрева, Joerg, Heineke	Yes
Lung ultrasound as a translational approach for non-invasive assessment of heart failure with reduced or preserved ejection fraction in mice	Cardiovascular Research	http://academic.oup.com/cardiovascres/article/113/10/1113/3797838/Lung-ultrasou...	2017	María, Villalba-Orero, Marina M., López-Olañeta, Esther, González-López, Laura, Padrón-Barthe, Jesús M., Gómez-Salmero, Jaime, García-Prieto, Timothy, Wai, Pablo, García-Pavía, Borja, Ibáñez, Luis J., Jiménez-Borreguero, Enrique, Lara-Pezzi	Yes
High Resolution Ultrasound and Photoacoustic Imaging of Orthotopic Lung Cancer in Mice: New Perspectives for Onco-Pharmacology	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0153532	2016	Florian, Raes, Julien, Sobilo, Marilyne, Le Mée, Stéphanie, Rétif, Sharuja, Natkunarajah, Stéphanie, Lerondel, Alain, Le Pape	Yes
Comprehensive Ultrasound Imaging of Right Ventricular Remodeling Under Surgically Induced Pressure Overload in Mice	American Journal of Physiology-Heart and Circulatory Physiology	https://journals.physiology.org/doi/10.1152/ajpheart.00590.2022	2023	Yu-Qing, Zhou, Quinn A., Bonafiglia, Hangjun, Zhang, Scott P., Heximer, Michelle P., Bendeck	No
Pyruvate kinase M2 activation protects against the proliferation and migration of pulmonary artery smooth muscle cells	Cell and Tissue Research		2020	Aikai, Zhang, Fenfang, Yu, Wandu, Yu, Peng, Ye, Pengfei, Liu, Yue, Gu, Shaoliang, Chen, Hang, Zhang	No
Lung ultrasound is a reliable method for evaluating extravascular lung water volume in rodents	BMC Anesthesiol	http://www.ncbi.nlm.nih.gov/pubmed/26563098%5Cnhttp://www.ncbi.nlm.nih.gov/pmc/...	2015	H, Ma, D, Huang, M, Zhang, X, Huang, S, Ma, S, Mao, W, Li, Y, Chen, L, Guo	No
Transplacental sildenafil rescues lung abnormalities in the rabbit model of diaphragmatic hernia	Thorax	http://thorax.bmj.com/lookup/doi/10.1136/thoraxjnl-2015-207949	2016	Francesca M, Russo, Jaan, Toelen, M Patrice, Eastwood, Julio, Jimenez, Andre Hadyme, Miyague, Greetje, Vande Velde, Philip, DeKoninck, Uwe, Himmelreich, Patrizia, Vergani, Karel, Allegaert, Jan, Deprest	No