

Title	Journal	Link	Publication date	References	Top Paper
Standardisation and future of preclinical echocardiography	Mammalian Genome	https://doi.org/10.1007/s00335-023-09981-4	2023	Caroline E., O'Riordan, Philippe, Trochet, Magdalena, Steiner, Dieter, Fuchs	Yes
Intraluminal gel ultrasound and eco-color doppler: new tools for the study of colorectal cancer in mice.	In vivo (Athens, Greece)	http://www.ncbi.nlm.nih.gov/pubmed/23812213	2013	Antonio, Barbieri, Maria Luisa, Barretta, Domenica, Rea, Carmine, Picone, Olimpia, Fabozzi, Giuseppe, Palma, Luciano, Antonio, Alessandro, Federico, Sabrina, Bimonte, Francesca, Setola, Elisabetta, De Lutio Di Castelguidone, Maria, Castellano, Adolfo Gallipoli, D'Errico, Michele, Caraglia, Claudio, Arra	Yes
High-frequency ultrasound for in vivo measurement of colon wall thickness in mice.	Ultrasound in medicine & biology	http://www.ncbi.nlm.nih.gov/pubmed/22266235	2012	Mostafa a, Abdelrahman, Gemma, Marston, Mark a, Hull, Alexander F, Markham, Pamela F, Jones, J Anthony, Evans, P Louise, Coletta	Yes
In Utero dimethadione exposure causes postnatal disruption in cardiac structure and function in the rat	Toxicological Sciences		2014	Kristiina L., Aasa, Elizabeth, Pursell, Michael A., Adams, Terence R.S., Ozolinš	No
Doxorubicin-induced cardiovascular toxicity: a longitudinal evaluation of functional and molecular markers	Cardiovascular Research		2023	Matthias, Bosman, Dustin, Krüger, Charles, Van Assche, Hanne, Boen, Cédric, Neutel, Kasper, Favere, Constantijn, Franssen, Wim, Martinet, Lynn, Roth, Guido R Y, De Meyer, Berta, Cillero-Pastor, Leen, Delrue, Ward, Heggmont, Emeline M, Van Craenenbroeck, Pieter-Jan, Guns	No
Temporal Progression of Aortic Valve Pathogenesis in a Mouse Model of Osteogenesis Imperfecta	Journal of Cardiovascular Development and Disease		2023	Kaitlyn, Thatcher, Carol R., Mattern, Daniel, Chaparro, Veronica, Goveas, Michael R., McDermott, Jessica, Fulton, Joshua D., Hutcheson, Brian R., Hoffmann, Joy, Lincoln	No
Characterization of atrial and ventricular remodeling in an improved minimally invasive mouse model of transverse aortic constriction	Journal of Cardiovascular Aging		2023	Jose Alberto, Navarro-Garcia, Satadru K., Lahiri, Yuriana, Aguilar-Sanchez, Anilkumar K., Reddy, Xander H.T., Wehrens	No

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Speg interactions that regulate the stability of excitation-contraction coupling protein complexes in triads and dyads	Communications Biology		2023	Chang Seok, Lee, Sung Yun, Jung, Rachel Sue Zhen, Yee, Nadia H., Agha, Jin, Hong, Ting, Chang, Lyle W., Babcock, Jorie D., Fleischman, Benjamin, Clayton, Amy D., Hanna, Christopher S., Ward, Denise, Lanza, Ayrea E., Hurley, Pumin, Zhang, Xander H.T., Wehrens, William R., Lagor, George G., Rodney, Susan L., Hamilton	No
Neurovascular hypoxia trajectories assessed by photoacoustic imaging in a murine model of cardiac arrest and resuscitation	IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control		2023	John P., Salvias, Katherine A., Leyba, Luke E., Schepers, Nitchawat, Paiyabhroma, Craig J., Goergen, Pierre, Sicard	No
Natural Extracts Mitigate the Deleterious Effects of Prolonged Intense Physical Exercise on the Cardiovascular and Muscular Systems	Antioxidants		2023	Marc, Yehya, Doria, Boulghobra, Pierre Edouard, Grillet, Pablo R., Fleitas-Paniagua, Patrice, Bideaux, Sandrine, Gayraud, Pierre, Sicard, Jérôme, Thireau, Cyril, Reboul, Olivier, Cazorla	No
A perspective on vascular disrupting agents that interact with tubulin: preclinical tumor imaging and biological assessment.	Integrative biology : quantitative biosciences from nano to macro	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3071431&tool=pmcentre...	2011	Ralph P, Mason, Dawen, Zhao, Li, Liu, Mary Lynn, Trawick, Kevin G, Pinney	No
Science to Practice : The Dawn of Molecular US Imaging for Clinical Cancer Imaging Summary :			2010	Fabian, Kiessling	No
Tumor Angiogenic Marker Expression Levels during Tumor Growth: Longitudinal Assessment with Molecularly Targeted Microbubbles and US Imaging	Radiology	http://pubs.rsna.org/doi/10.1148/radiol.10101079	2011	Nirupama, Deshpande, Ying, Ren, Kira, Foygel, Jarrett, Rosenberg, Jürgen K., Willmann	No
Monitoring antivasular therapy in head and neck cancer xenografts using contrast-enhanced MR and US imaging.	Angiogenesis	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3702176&tool=pmcentre...	2011	Mukund, Seshadri, Nuno T, Sacadura, Tonya, Coulthard	No
Ex vivo Characterization of Atherosclerosis using Intravascular Photoacoustic Imaging.	Optics express		2007	Shriram, Sethuraman, James H, Amirian, Silvio H, Litovsky, Richard W, Smalling, Stanislav Y, Emelianov	No
Enhanced angiogenic and cardiomyocyte differentiation capacity of epigenetically reprogrammed mouse and human endothelial progenitor cells augments their efficacy for ischemic myocardial repair.	Circulation research	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3406600&tool=pmcentre...	2012	Melissa a, Thal, Prasanna, Krishnamurthy, Alexander R, Mackie, Eneda, Hoxha, Erin, Lambers, Suresh, Verma, Veronica, Ramirez, Gangjian, Qin, Douglas W, Losordo, Raj, Kishore	No

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Closed-chest cell injections into mouse myocardium guided by high-resolution echocardiography	AJP: Heart and Circulatory Physiology	http://www.ncbi.nlm.nih.gov/pubmed/15908468	2005	Matthew L, Springer	No
Image-Guided Cardiac Cell Delivery Using High-Resolution Small-Animal Ultrasound	Molecular Therapy	http://www.ncbi.nlm.nih.gov/pubmed/16111921	2005	M, RODRIGUEZPORCEL, O, GHEYSSENS, I, CHEN, J, WU, S, GAMBHIR	No
Injection of Vessel-Derived Stem Cells Prevents Dilated Cardiomyopathy and Promotes Angiogenesis and Endogenous Cardiac Stem Cell Proliferation in mdx/utrn^{-/-} but Not Aged mdx Mouse Models for Duchenne Muscular Dystrophy	Stem Cells Translational Medicine	http://stemcellstm.alphamedpress.org/cgi/doi/10.5966/sctm.2012-0107	2013	J. L., Chun, R., O'Brien, M. H., Song, B. F., Wondrasch, S. E., Berry	No
Echocardiography in Mice.	Current protocols in mouse biology	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3130310&tool=pmcentre...	2011	Shumin, Gao, David, Ho, Dorothy E, Vatner, Stephen F, Vatner	No
Tyrosinase as a dual reporter gene for both photoacoustic and magnetic resonance imaging	Biomedical optics express	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3072120&tool=pmcentre...	2011	Robert J, Paproski, Alexander E, Forbrich, Keith, Wachowicz, Mary M, Hitt, Roger J, Zemp	No