

Title	Authors	Journal	Date
Photoacoustic F-Mode imaging for scale specific contrast in biological systems	Michael J. Moore, Eno Hysi, Muhannad N. Fadhel, Suzan El-Rass, Yongliang Xiao, Xiao-Yan Wen, Michael C. Kolios	Communications Physics	Tuesday, January 1, 2019
Tbx5a lineage tracing shows cardiomyocyte plasticity during zebrafish heart regeneration	Héctor Sánchez-Iranzo, María Galardi-Castilla, Carolina Minguillón, Andrés Sanz-Morejón, Juan Manuel González-Rosa, Anastasia Felker, Alexander Ernst, Gabriela Guzmán-Martínez, Christian Mosimann, Nadia Mercader	Nature Communications	Monday, January 1, 2018
In vivo Visualization of Vasculature in Adult Zebrafish by High Frequency Ultrafast Ultrasound Imaging	Chao-Chuan Chang, Pei-Yu Chen, Hsin Huang, Chih-Chung Huang	IEEE Transactions on Biomedical Engineering	Monday, January 1, 2018
The complex genetics of hypoplastic left heart syndrome	Xiaoqin Liu, Hisato Yagi, Shazina Saeed, Abha S Bais, George C Gabriel, Zhaohan Chen, Kevin A Peterson, You Li, Molly C Schwartz, William T Reynolds, Manush Saydmohammed, Brian Gibbs, Yijen Wu, William Devine, Bishwanath Chatterjee, Nikolai T Klena, Dennis Kostka, Karen L. De Mesy Bentley, Madhavi K Ganapathiraju, Phillip Dexheimer, Linda Leatherbury, Omar Khalifa, Anchit Bhagat, Maliha Zahid, William Pu, Simon Watkins, Paul Grossfeld, Stephen A Murray, George A Porter, Michael Tsang, Lisa J Martin, D Woodrow Benson, Bruce J Aronow, Cecilia W Lo	Nature Genetics	Monday, May 22, 2017
Amplified pathogenic actions of angiotensin II in cysteine-rich LIM-only protein 4–negative mouse hearts	Julia Straubinger, Karsten Boldt, Anna Kuret, Lisa Deng, Diana Krattenmacher, Nadja Bork, Matthias Desch, Robert Feil, Susanne Feil, Mona Nemer, Marius Ueffing, Peter Ruth, Steffen Just, Robert Lukowski	The FASEB Journal	Monday, January 30, 2017

Title	Authors	Journal	Date
Age-dependent increase of oxidative stress regulates microRNA-29 family preserving cardiac health	Johanna Heid, Chiara Cencioni, Roberto Ripa, Mario Baumgart, Sandra Atlante, Giuseppina Milano, Alessandro Scopece, Carsten Kuenne, Stefan Guenther, Valerio Azzimato, Antonella Farsetti, Giacomo Rossi, Thomas Braun, Giulio Pompilio, Fabio Martelli, Andreas M. Zeiher, Alessandro Cellerino, Carlo Gaetano, Francesco Spallotta	Scientific Reports	Sunday, January 1, 2017
Live cell screening platform identifies PPARδ as a regulator of cardiomyocyte proliferation and cardiac repair	Ajit Magadum, Yishu Ding, Lan He, Teayoun Kim, Mohankrishna Dalvoy Vasudevarao, Qinqiang Long, Kevin Yang, Nadeera Wickramasinghe, Harsha V Renikunta, Nicole Dubois, Gilbert Weidinger, Qinglin Yang, Felix B Engel	Cell Research	Sunday, January 1, 2017
MicroRNA-1825 induces proliferation of adult cardiomyocytes and promotes cardiac regeneration post ischemic injury	Raghav Pandey, Sebastian Velasquez, Shazia Durrani, Min Jiang, Michelle Neiman, Jeffrey S Crocker, Joshua B Benoit, Jack Rubinstein, Arghya Paul, Rafeeq P.H. Ahmed	American Journal of Translational Research	Sunday, January 1, 2017
Irisin regulates cardiac physiology in zebrafish	Lakshminarasimhan Sundarrajan, Chanel Yeung, Logan Hahn, Lynn P Weber, Suraj Unniappan	PLoS ONE	Sunday, January 1, 2017
Induction of cardiac dysfunction in developing and adult zebrafish by chronic isoproterenol stimulation	Mandy Kossack, Selina Hein, Lonny Juergensen, Mauro Siragusa, Alexander Benz, Hugo A Katus, Patrick Most, David Hassel	Journal of Molecular and Cellular Cardiology	Sunday, January 1, 2017

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Standardized echocardiographic assessment of cardiac function in normal adult zebrafish and heart disease models	Louis W Wang, Inken G Huttner, Celine F Santiago, Scott H Kesteven, Ze-Yan Yu, Michael P Feneley, Diane Fatkin	Disease Models & Mechanisms	Sunday, January 1, 2017
Decellularized zebrafish cardiac extracellular matrix induces mammalian heart regeneration	William C. W. Chen, Z. Wang, Maria Azzurra Missinato, Dae Woo Park, Daniel Ward Long, H.-J. Liu, Xuemei Zeng, Nathan A. Yates, Kang Kim, Yadong Wang	Science Advances	Friday, November 18, 2016
Mutations in DCHS1 cause mitral valve prolapse	Ronen Durst, Kimberly Sauls, David S. Peal, Annemarieke DeVlaming, Katelynn Toomer, Maire Leyne, Monica Salani, Michael E. Talkowski, Harrison Brand, Maëlle Perrocheau, Charles Simpson, Christopher Jett, Matthew R. Stone, Florie Charles, Colby Chiang, Stacey N. Lynch, Nabila Bouatia-Naji, Francesca N. Delling, Lisa a. Freed, Christophe Tribouilloy, Thierry Le Tourneau, Hervé LeMarec, Leticia Fernandez-Friera, Jorge Solis, Daniel Trujillano, Stephan Ossowski, Xavier Estivill, Christian Dina, Patrick Bruneval, Adrian Chester, Jean-Jacques Schott, Kenneth D. Irvine, Yaopan Mao, Andy Wessels, Tahirali Motiwala, Michel Puceat, Yoshikazu Tsukasaki, Donald R. Menick, Harinath Kasiganesan, Xingju Nie, Ann-Marie Broome, Katherine Williams, Amanda Johnson, Roger R. Markwald, Xavier Jeunemaitre, Albert Hagege, Robert a. Levine, David J. Milan, Russell a. Norris, Susan a. Slaugenhaupt	Nature	Monday, August 10, 2015

Title	Authors	Journal	Date
Advanced Echocardiography in Adult Zebrafish Reveals Delayed Recovery of Heart Function after Myocardial Cryoinjury	Selina J. Hein, Lorenz H. Lehmann, Mandy Kossack, Lonny Juergensen, Dieter Fuchs, Hugo A. Katus, David Hassel	PLOS ONE	Wednesday, April 8, 2015
Differential regenerative capacity of neonatal mouse hearts after cryoinjury.	Ali Darehzereshki, Nicole Rubin, Laurent Gamba, Jieun Kim, James Fraser, Ying Huang, Joshua Billings, Robabeh Mohammadzadeh, John Wood, David Warburton, Vesa Kaartinen, Ching-Ling Lien	Developmental biology	Wednesday, January 1, 2014
Human amyloidogenic light chain proteins result in cardiac dysfunction, cell death, and early mortality in zebrafish	Shikha Mishra, Jian Guan, Eva Plovie, David C Seldin, Lawreen H Connors, Giampaolo Merlini, Rodney H Falk, Calum a MacRae, Ronglih Liao	AJP: Heart and Circulatory Physiology	Monday, July 1, 2013
Multispectral opto-acoustic tomography of deep-seated fluorescent proteins in vivo	Daniel Razansky, Martin Distel, Claudio Vinegoni, Rui Ma, Norbert Perrimon, Reinhard W. Köster, Vasilis Ntziachristos	Nature Photonics	Sunday, June 21, 2009
Zebrafish as a Cancer Model	Harma Feitsma, Edwin Cuppen	Molecular Cancer Research	Thursday, May 1, 2008
Ultrasound biomicroscopy permits in vivo characterization of zebrafish liver tumors	Wolfram Goessling, Trista E North, Leonard I Zon	Nature Methods	Tuesday, July 17, 2007

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Functional assessment of cardiac responses of adult zebrafish (<i>danio rerio</i>) to acute and chronic temperature change using high-resolution echocardiography	Ling Lee, Christine E. Genge, Michelle Cua, Xiaoye Sheng, Kaveh Rayani, Mirza F. Beg, Marinko V. Sarunic, Glen F. Tibbits	PLoS ONE	Friday, January 1, 2016
Essential light chain S195 phosphorylation is required for cardiac adaptation under physical stress	Lisa Mareike Scheid, Matias Mosqueira, Selina Hein, Mandy Kossack, Lonny Juergensen, Marion Mueller, Benjamin Meder, Rainer H.A. Fink, Hugo A. Katus, David Hassel	Cardiovascular Research	Friday, January 1, 2016