



Mark Mercola

Professor of Medicine (Cardiovascular) and, by courtesy, of Chemical and Systems Biology

Medicine - Cardiovascular Medicine

Bio

BIO

Dr. Mercola is Professor of Medicine and Professor in the Stanford Cardiovascular Institute. He completed postdoctoral training at the Dana-Farber Cancer Institute and Harvard Medical School, was on the faculty in the Department of Cell Biology at Harvard Medical School for 12 years, and later at the Sanford-Burnham-Prebys Institute and Department of Bioengineering at the University of California, San Diego before relocating to Stanford in 2015.

Prof. Mercola is known for identifying many of the factors that are responsible for inducing and forming the heart, including the discovery that Wnt inhibition is a critical step in cardiogenesis that provided the conceptual basis and reagents for the large-scale production of cardiovascular tissues from pluripotent stem cells. He has collaborated with medicinal chemists, optical engineers and software developers to pioneer the use of patient iPSC-cardiomyocytes for disease modeling, safety pharmacology and drug development. His academic research is focused on developing and using quantitative high throughput assays of patient-specific cardiomyocyte function to discover druggable targets for preserving contractile function in heart failure and promoting regeneration following ischemic injury. He co-established drug screening and assay development at the Conrad Prebys Drug Discovery Center (San Diego), which operated as one of 4 large screening centers of the US National Institutes of Health (NIH) Molecular Libraries screening initiative and continues as one of the largest academic drug screening centers.

Prof. Mercola received an NIH MERIT award for his work on heart formation. He holds numerous patents, including describing the invention of the first engineered dominant negative protein and small molecules for stem cell and cancer applications. He serves on multiple editorial and advisory boards, including Vala Sciences, Regencor, The Ted Rogers Centre for Heart Research and the Human Biomolecular Research Institute. His laboratory is funded by the National Institutes of Health (NIH), California Institute for Regenerative Medicine, Phospholamban Foundation and Fondation Leducq.

ACADEMIC APPOINTMENTS

- Professor, Medicine - Cardiovascular Medicine
- Professor (By courtesy), Chemical and Systems Biology
- Member, Bio-X
- Member, Cardiovascular Institute
- Member, Maternal & Child Health Research Institute (MCHRI)

LINKS

- Mercola Lab website: <http://med.stanford.edu/mercolalab.html>

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Xiaozhi Gao, Hiroyuki Inoue, Adithan Kandasamy, Sarah Sturgill

Publications

PUBLICATIONS

- **Multiparametric Assessment of TNNI3 Variant Phenotypes in Human iPSC-Cardiomyocytes Correlates with Disease Severity in Patients.** *bioRxiv : the preprint server for biology*
Staudt, D. W., Tran, P. P., Floyd, B. J., Dunn, K., Han, D., Carhuamaca, X., Serrano, R., Hnatiuk, A. P., Bang, S., Parikh, V. N., Ashley, E. A., Mercola, M.
2025
- **Comparing the Efficacy of Myosin Inhibition Versus Thin Filament Calcium Desensitization for Treatment of Pediatric Restrictive Cardiomyopathy Using a Patient-Derived hiPSC Model.** *Circulation. Genomic and precision medicine*
Staudt, D. W., Serrano, R., Hnatiuk, A. P., Sanchez, I., Carhuamaca, X., Feyen, D. A., Mercola, M.
2025: e005464
- **Protective Mechanisms Against Cardiac Toxicity of the EGFR Tyrosine Kinases Inhibitor Osimertinib**
Hnatiuk, A., Staudt, D., Vecchi, B., Carhuamaca, X., Mercola, M.
LIPPINCOTT WILLIAMS & WILKINS.2025: A4370530
- **Abstract 4370456: Multiparameter Assessment of TNNI3 Cardiomyopathy Variants for Precision Medicine**
Staudt, D., Tran, P., Floyd, B., Han, D., Jackson, W., Carhuamaca, X., Serrano, R., Hnatiuk, A., Cheng, P., Parikh, V., Ashley, E., Mercola, M.
LIPPINCOTT WILLIAMS & WILKINS.2025: A4370456
- **Empagliflozin Improves Cardiomyocyte Function in Phospholamban-R14del Cardiomyopathy by Regulating Calcium/Calmodulin-Stimulated Protein Kinase II Activity and Apoptosis.** *Journal of the American Heart Association*
Hnatiuk, A. P., Li, A. W., Vecchi, B. E., Staudt, D. W., Serrano, R., Gao, X., Tran, P. P., Mercola, M.
2025: e042432
- **MEF2C networks in heart tube development.** *Genes & development*
Abdulrazzak, H., Mercola, M.
2025
- **Assessing the cardiotoxicity of 31 compounds using a multiplexed kinetic image cytometry (KIC)-based assay: Harnessing the predictive power of human iPSC-cardiomyocytes for early drug development**
Basa, R. C. B., Ingermanson, R. S., Catalan-Perez, F., Serrano, R., Wang, A., Smith, A., Hilton, J. M., McDonough, P. M., Handley, C., Harrison, L., Pascua, A., Mercola, M., Price, et al
ELSEVIER SCIENCE INC.2025
- **Discovery of BRD9 Molecular Glue Degradors That Spare Cardiomyocytes.** *Journal of the American Chemical Society*
Byun, W. S., Zhuang, Z., Hnatiuk, A. P., Jin, C., Jiang, Z., Baek, K., Chao, E., Donovan, K. A., Fischer, E. S., Mercola, M., Gray, N. S.
2025
- **Function-First Assessment of TNNI3 Cardiomyopathy Variants To Predict Clinical Outcomes**
Staudt, D., Tran, P., Floyd, B., Dunn, K., Han, D., Carhuamaca, X., Hnatiuk, A., Serrano, R., Parikh, V., Ashley, E., Mercola, M.
LIPPINCOTT WILLIAMS & WILKINS.2025
- **Uncertainty-aware traction force microscopy.** *PLoS computational biology*
Kandasamy, A., Yeh, Y. T., Serrano, R., Mercola, M., Del Alamo, J. C.
2025; 21 (6): e1013079
- **Multiplexed cardiomyopathy and proarrhythmia (cardiotoxicity) assay of human iPSC-cardiomyocytes**
Price, J. H., Basa, R. C. B., Serrano, R., Handley, C., Ingermanson, R. S., Pascua, A., Harrison, L., Wang, A., Hilton, J. M., McDonough, P. M., Mercola, M.

ELSEVIER SCIENCE INC.2025

- **Corrigendum to "Genetic Analysis and multimodal imaging confirm m.12148 T>C mitochondrial variant pathogenicity leading to multisystem dysfunction" [Molecular Genetics and Metabolism 144 (2025); 109049].** *Molecular genetics and metabolism*
Belle, K., Kreymerman, A., Young, J. L., Vadgama, N., Ji, M. H., Randhawa, S., Caicedo, J., Wong, M., Muscat, S. P., Gifford, C. A., Lee, R. T., Nasir, J., Enns, et al
2025: 109100
- **Genetic analysis and multimodal imaging confirm m.12148 T > C mitochondrial variant pathogenicity leading to multisystem dysfunction.** *Molecular genetics and metabolism*
Belle, K., Kreymerman, A., Young, J. L., Vadgama, N., Ji, M. H., Randhawa, S., Caicedo, J., Wong, M., Muscat, S. P., Gifford, C. A., Lee, R. T., Nasir, J., Enns, et al
2025; 144 (3): 109049
- **tRNA methylation drives early postnatal cardiomyocyte maturation.** *Nature cardiovascular research*
Ruiz-Lozano, P., Mercola, M.
2024
- **Inhibition of miR-25 ameliorates cardiac and skeletal muscle dysfunction in agedmdx/utrnhaploinsufficient (+/-) mice.** *Molecular therapy. Nucleic acids*
Kepreotis, S. V., Oh, J. G., Park, M., Yoo, J., Lee, C., Mercola, M., Hajjar, R. J., Jeong, D.
2024; 35 (2): 102174
- **Personalized transcriptome signatures in a cardiomyopathy stem cell biobank.** *bioRxiv : the preprint server for biology*
Monte, E., Furihata, T., Wang, G., Perea-Gil, I., Wei, E., Chaib, H., Nair, R., Guevara, J. V., Mares, R., Cheng, X., Zhuge, Y., Black, K., Serrano, et al
2024
- **Open-source algorithm for high-throughput, non-contact elasticity measurements of iPSC-derived cardiomyocytes**
Kandasamy, A., Serrano, R., Mercola, M., Del Alamo, J.
CELL PRESS.2024: 403A
- **Action potential heterogeneity in the myosin binding protein C3 mutant, R943x.** *Biophysical journal*
Abdelsayed, M., Mercola, M.
2023; 122 (3S1): 35a-36a
- **Action potential heterogeneity in the myosin binding protein C3 mutant, R943x**
Abdelsayed, M., Mercola, M.
CELL PRESS.2023: 35A-36A
- **A deep learning platform to assess drug proarrhythmia risk.** *Cell stem cell*
Serrano, R., Feyen, D. A., Bruyneel, A. A., Hnatiuk, A. P., Vu, M. M., Amatya, P. L., Perea-Gil, I., Prado, M., Seeger, T., Wu, J. C., Karakikes, I., Mercola, M.
2022
- **Cellular and subcellular optogenetic approaches towards neuroprotection and vision restoration.** *Progress in retinal and eye research*
Wood, E. H., Kreymerman, A., Kowal, T., Buickians, D., Sun, Y., Muscat, S., Mercola, M., Moshfeghi, D. M., Goldberg, J. L.
2022: 101153
- **Personalized Therapeutic Pathways That Target the Molecular Mechanisms of Dilated Cardiomyopathy**
Briganti, F., Mercola, M.
LIPPINCOTT WILLIAMS & WILKINS.2022: E179-E180
- **Multiplexed cardiomyopathy and proarrhythmia (cardiotoxicity) assay of huma- induced pluripotent stem cellderived cardiomyocytes for early drug development**
Price, J., Basa, R., McDonough, P., Mercola, M., Serrano, R., Handley, C.
ELSEVIER SCIENCE INC.2022
- **Metabolic Maturation Increases Susceptibility to Hypoxia-induced Damage in Human iPSC-derived Cardiomyocytes.** *Stem cells translational medicine*
Peters, M. C., Maas, R. G., van Adrichem, I., Doevendans, P. A., Mercola, M., Saric, T., Buikema, J. W., van Mil, A., Chamuleau, S. A., Sluijter, J. P., Hnatiuk, A. P., Neef, K.

2022

- **Designing Novel BCR-ABL Inhibitors for Chronic Myeloid Leukemia with Improved Cardiac Safety.** *Journal of medicinal chemistry*
Pandrala, M., Bruyneel, A. A., Hnatiuk, A. P., Mercola, M., Malhotra, S. V.
2022
- **Reengineering Ponatinib to Minimize Cardiovascular Toxicity** *CANCER RESEARCH*
Hnatiuk, A. P., Bruyneel, A. A. N., Taylor, D., Pandrala, M., Dheeraj, A., Li, W., Serrano, R., Feyen, D. A. M., Vu, M. M., Amatya, P., Gupta, S., Nakauchi, Y., Morgado, et al
2022; 82 (15): 2777-2791
- **Serine biosynthesis as a novel therapeutic target for dilated cardiomyopathy.** *European heart journal*
Perea-Gil, I., Seeger, T., Bruyneel, A. A., Termglinchan, V., Monte, E., Lim, E. W., Vadgama, N., Furihata, T., Gavidia, A. A., Arthur Ataam, J., Bharucha, N., Martinez-Amador, N., Ameen, et al
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- **Publisher Correction: Phenotypic drug discovery: recent successes, lessons learned and new directions.** *Nature reviews. Drug discovery*
Vincent, F., Nueda, A., Lee, J., Schenone, M., Prunotto, M., Mercola, M.
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- **Phenotypic drug discovery: recent successes, lessons learned and new directions.** *Nature reviews. Drug discovery*
Vincent, F., Nueda, A., Lee, J., Schenone, M., Prunotto, M., Mercola, M.
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- **Repurposing drugs to treat cardiovascular disease in the era of precision medicine.** *Nature reviews. Cardiology*
Abdelsayed, M., Kort, E. J., Jovinge, S., Mercola, M.
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- **SARS-CoV-2 Susceptibility and ACE2 Gene Variations Within Diverse Ethnic Backgrounds.** *Frontiers in genetics*
Vadgama, N., Kreymerman, A., Campbell, J., Shamardina, O., Brugger, C., Research Consortium, G. E., Deaconescu, A. M., Lee, R. T., Penkett, C. J., Gifford, C. A., Mercola, M., Nasir, J., Karakikes, et al
2022; 13: 888025
- **Cardiomyocyte Na⁺ and Ca²⁺ mishandling drives vicious cycle involving CaMKII, ROS, and ryanodine receptors.** *Basic research in cardiology*
Hegy, B., Polonen, R., Hellgren, K. T., Ko, C. Y., Ginsburg, K. S., Bossuyt, J., Mercola, M., Bers, D. M.
2021; 116 (1): 58
- **Highlights from Stanford Drug Discovery Symposium 2021.** *Cardiovascular research*
Chase, A. J., Malhotra, S. V., Mercola, M., Singh, K., Wu, J. C.
2021
- **Human-induced pluripotent stem cell-derived cardiomyocytes: Cardiovascular properties and metabolism and pharmacokinetics of deuterated mexiletine analogs.** *Pharmacology research & perspectives*
Gomez-Galeno, J., Okolotowicz, K., Johnson, M., McKeithan, W. L., Mercola, M., Cashman, J. R.
2021; 9 (4): e00828
- **The Present and Future of Mitochondrial-Based Therapeutics for Eye Disease.** *Translational vision science & technology*
Ji, M. H., Kreymerman, A., Belle, K., Ghiam, B. K., Muscat, S. P., Mahajan, V. B., Enns, G. M., Mercola, M., Wood, E. H.
2021; 10 (8): 4
- **Myocardial hypoxic stress mediates functional cardiac extracellular vesicle release.** *European heart journal*
Anselmo, A., Frank, D., Papa, L., Viviani Anselmi, C., Di Pasquale, E., Mazzola, M., Panico, C., Clemente, F., Soldani, C., Pagiatakis, C., Hinkel, R., Thalmann, R., Kozlik-Feldmann, et al
2021
- **Human iPSC-derived Cardiomyocytes and Pyridyl-Phenyl Mexiletine Analogs.** *Bioorganic & medicinal chemistry letters*
Johnson, M., Gomez-Galeno, J., Ryan, D., Okolotowicz, K., McKeithan, W. L., Sampson, K. J., Kass, R. S., Mercola, M., Cashman, J. R.
2021: 128162
- **Antiarrhythmic Hit to Lead Refinement in a Dish Using Patient-Derived iPSC Cardiomyocytes.** *Journal of medicinal chemistry*

Cashman, J. R., Ryan, D., McKeithan, W. L., Okolotowicz, K., Gomez-Galeno, J., Johnson, M., Sampson, K. J., Kass, R. S., Pezhouman, A., Karagueuzian, H. S., Mercola, M.
2021

- **The Unfolded Protein Response as a Compensatory Mechanism and Potential Therapeutic Target in PLN R14del Cardiomyopathy.** *Circulation*
Feyen, D. A., Perea-Gil, I., Maas, R. G., Harakalova, M., Gavidia, A. A., Arthur Ataam, J., Wu, T., Vink, A., Pei, J., Vadgama, N., Suurmeijer, A. J., Te Rijdt, W. P., Vu, et al
2021
- **miR-132/212 Impairs Cardiomyocytes Contractility in the Failing Heart by Suppressing SERCA2a** *FRONTIERS IN CARDIOVASCULAR MEDICINE*
Lei, Z., Wahlquist, C., el Azzouzi, H., Deddens, J. C., Kuster, D., van Mil, A., Rojas-Munoz, A., Huibers, M. M., Mercola, M., de Weger, R., van der Velden, J., Xiao, J., Doevendans, et al
2021; 8: 592362
- **Temporal mechanisms of myogenic specification in human induced pluripotent stem cells.** *Science advances*
Nayak, P., Colas, A., Mercola, M., Varghese, S., Subramaniam, S.
2021; 7 (12)
- **CRISPR/Cas9-based targeting of fluorescent reporters to human iPSCs to isolate atrial and ventricular-specific cardiomyocytes.** *Scientific reports*
Chirikian, O., Goodyer, W. R., Dzilic, E., Serpooshan, V., Buikema, J. W., McKeithan, W., Wu, H., Li, G., Lee, S., Merk, M., Galdos, F., Beck, A., Ribeiro, et al
2021; 11 (1): 3026
- **Small-molecule probe reveals a kinase cascade that links stress signaling to TCF/LEF and Wnt responsiveness.** *Cell chemical biology*
Cheng, J. n., Tsuda, M. n., Okolotowicz, K. n., Dwyer, M. n., Bushway, P. J., Colas, A. R., Lancman, J. J., Schade, D. n., Perea-Gil, I. n., Bruyneel, A. A., Lee, J. n., Vadgama, N. n., Quach, et al
2021
- **Mitochondria-Rich Extracellular Vesicles Rescue Patient-Specific Cardiomyocytes From Doxorubicin Injury: Insights Into the SENECA Trial.** *JACC. CardioOncology*
O'Brien, C. G., Ozen, M. O., Ikeda, G., Vaskova, E., Jung, J. H., Bayardo, N., Santoso, M. R., Shi, L., Wahlquist, C., Jiang, Z., Jung, Y., Zeng, Y., Egan, et al
2021; 3 (3): 428-440
- **Mapping genetic variability in mature miRNAs and miRNA binding sites in prostate cancer.** *Journal of human genetics*
Lee, B., Li, J. L., Marchica, J., Mercola, M., Patel, V., Perera, R. J.
2021
- **miR-106a-363 cluster in extracellular vesicles promotes endogenous myocardial repair via Notch3 pathway in ischemic heart injury.** *Basic research in cardiology*
Jung, J. H., Ikeda, G. n., Tada, Y. n., von Bornstädt, D. n., Santoso, M. R., Wahlquist, C. n., Rhee, S. n., Jeon, Y. J., Yu, A. C., O'brien, C. G., Red-Horse, K. n., Appel, E. A., Mercola, et al
2021; 116 (1): 19
- **Human iPSC modeling of heart disease for drug development.** *Cell chemical biology*
Hnatiuk, A. P., Briganti, F. n., Staudt, D. W., Mercola, M. n.
2021; 28 (3): 271–82
- **Patient-Specific Induced Pluripotent Stem Cells Implicate Intrinsic Impaired Contractility in Hypoplastic Left Heart Syndrome.** *Circulation*
Paige, S. L., Galdos, F. X., Lee, S., Chin, E. T., Ranjbarvaziri, S., Feyen, D. A., Darsha, A. K., Xu, S., Ryan, J. A., Beck, A. L., Qureshi, M. Y., Miao, Y., Gu, et al
2020; 142 (16): 1605–8
- **Hyperglycemia Acutely Increases Cytosolic Reactive Oxygen Species via O-linked GlcNAcylation and CaMKII Activation in Mouse Ventricular Myocytes.** *Circulation research*
Lu, S., Liao, Z., Lu, X., Katschinski, D. M., Mercola, M., Chen, J., Heller Brown, J., Molkentin, J. D., Bossuyt, J., Bers, D. M.
2020

- **Sacubitril/Valsartan Improves Cardiac Function and Decreases Myocardial Fibrosis Via Downregulation of Exosomal miR-181a in a Rodent Chronic Myocardial Infarction Model.** *Journal of the American Heart Association*
Vaskova, E. n., Ikeda, G. n., Tada, Y. n., Wahlquist, C. n., Mercola, M. n., Yang, P. C.
2020: e015640
- **Contacts between CMOS circuits and cell membrane by silicon nanowires**
Galderisi, G., Feyen, D. M., Gaetani, R., Mercola, M., Messina, E., Palma, F., IEEE
IEEE.2020
- **Metabolic Maturation Media Improve Physiological Function of Human iPSC-Derived Cardiomyocytes.** *Cell reports*
Feyen, D. A., McKeithan, W. L., Bruyneel, A. A., Spiering, S. n., Hörmann, L. n., Ulmer, B. n., Zhang, H. n., Briganti, F. n., Schweizer, M. n., Hegyi, B. n., Liao, Z. n., Pölönen, R. P., Ginsburg, et al
2020; 32 (3): 107925
- **Reengineering an Antiarrhythmic Drug Using Patient hiPSC Cardiomyocytes to Improve Therapeutic Potential and Reduce Toxicity.** *Cell stem cell*
McKeithan, W. L., Feyen, D. A., Bruyneel, A. A., Okolotowicz, K. J., Ryan, D. A., Sampson, K. J., Potet, F. n., Savchenko, A. n., Gómez-Galeno, J. n., Vu, M. n., Serrano, R. n., George, A. L., Kass, et al
2020
- **iPSC Modeling of RBM20-Deficient DCM Identifies Upregulation of RBM20 as a Therapeutic Strategy.** *Cell reports*
Briganti, F. n., Sun, H. n., Wei, W. n., Wu, J. n., Zhu, C. n., Liss, M. n., Karakikes, I. n., Rego, S. n., Cipriano, A. n., Snyder, M. n., Meder, B. n., Xu, Z. n., Millat, et al
2020; 32 (10): 108117
- **A Novel Recessive Mutation in SPEG Causes Early Onset Dilated Cardiomyopathy.** *PLoS genetics*
Levitas, A. n., Muhammad, E. n., Zhang, Y. n., Perea Gil, I. n., Serrano, R. n., Diaz, N. n., Arafat, M. n., Gavidia, A. A., Kapiloff, M. S., Mercola, M. n., Etzion, Y. n., Parvari, R. n., Karakikes, et al
2020; 16 (9): e1009000
- **Small-Molecule Modulation of TDP-43 Recruitment to Stress Granules Prevents Persistent TDP-43 Accumulation in ALS/FTD NEURON**
Fang, M. Y., Markmiller, S., Vu, A. Q., Javaherian, A., Dowdle, W. E., Jolivet, P., Bushway, P. J., Castello, N. A., Baral, A., Chan, M. Y., Linsley, J. W., Linsley, D., Mercola, et al
2019; 103 (5): 802+
- **Identification of a potent inhibitor of notch signaling**
Galeno, J., Hurtado, C., Cashman, J., Mercola, M., Cheng, J., Yardimci, C.
AMER CHEMICAL SOC.2019
- **Integrated analysis of transcriptional regulation in PLN R14del cardiomyopathy**
Pei, J., Harakalova, M., Nagyova, E., Gho, J. H., Sepehrkhoy, S., van Dinter, J., van Mil, A., Buijsrogge, M. P., de Jonge, N., Huibers, M. M., Nieuwenhuis, E. S., den Ruijter, H. M., Pasterkamp, et al
NATURE PUBLISHING GROUP.2019: 790–91
- **Stars in the Night Sky: iPSC-Cardiomyocytes Return the Patient Context to Drug Screening** *CELL STEM CELL*
Hnatiuk, A., Mercola, M.
2019; 24 (4): 506–7
- **A Premature Termination Codon Mutation in MYBPC3 Causes Hypertrophic Cardiomyopathy via Chronic Activation of Nonsense-Mediated Decay** *CIRCULATION*
Seeger, T., Shrestha, R., Lam, C., Chen, C., McKeithan, W. L., Lau, E., Wnorowski, A., McMullen, G., Greenhaw, M., Lee, J., Oikonomopoulos, A., Lee, S., Yang, et al
2019; 139 (6): 799–811
- **Crataegus Extract WS1442 Stimulates Cardiomyogenesis and Angiogenesis From Stem Cells: A Possible New Pharmacology for Hawthorn?** *Frontiers in pharmacology*
Halver, J., Wenzel, K., Sendker, J., Carrillo Garcia, C., Erdelmeier, C. A., Willems, E., Mercola, M., Symma, N., Konemann, S., Koch, E., Hensel, A., Schade, D.
2019; 10: 1357
- **Disruption of NOTCH signaling by a small molecule inhibitor of the transcription factor RBPJ.** *Scientific reports*

Hurtado, C. n., Safarova, A. n., Smith, M. n., Chung, R. n., Bruyneel, A. A., Gomez-Galeno, J. n., Oswald, F. n., Larson, C. J., Cashman, J. R., Ruiz-Lozano, P. n., Janiak, P. n., Suzuki, T. n., Mercola, et al
2019; 9 (1): 10811

- **AlleleProfileR: A versatile tool to identify and profile sequence variants in edited genomes.** *PLoS one*
Bruyneel, A. A., Colas, A. R., Karakikes, I., Mercola, M.
2019; 14 (12): e0226694
- **High-Throughput Phenotypic Screening Using Induced Pluripotent Stem Cell Derived Cardiomyocytes Identifies Compounds That Rescue Genetic Dilated Cardiomyopathy**
Perea-Gil, I., Prado, M., Bruyneel, A. A., McKeithan, W. L., Feyen, D. A., Nair, P., Mercola, M., Karakikes, I.
LIPPINCOTT WILLIAMS & WILKINS.2018: E72
- **Mechanosensitive miR-376c Modulates Arrhythmia Susceptibility Via Regulation Of KCNJ2 In hiPSC-derived Cardiomyocytes**
Wahlquist, C. A., Rojas-Munoz, A., Bruyneel, A. A., Greenhaw, M., Chung, R., Vu, M., Karakikes, I., Mercola, M.
LIPPINCOTT WILLIAMS & WILKINS.2018: E79
- **Use of human induced pluripotent stem cell-derived cardiomyocytes to assess drug cardiotoxicity** *NATURE PROTOCOLS*
Sharma, A., McKeithan, W. L., Serrano, R., Kitani, T., BurrIDGE, P. W., del Alamo, J. C., Mercola, M., Wu, J. C.
2018; 13 (12): 3018–41
- **Use of human induced pluripotent stem cell-derived cardiomyocytes to assess drug cardiotoxicity.** *Nature protocols*
Sharma, A., McKeithan, W. L., Serrano, R., Kitani, T., BurrIDGE, P. W., Del Alamo, J. C., Mercola, M., Wu, J. C.
2018
- **High-Throughput Physiological Assay for Force and Stiffness Quantification in IPS Derived Cardiomyocytes**
Serrano, R., McKeithan, W. L., Mercola, M., del Alamo, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2018
- **Exosomal miR-106a-363 Cluster Repairs the Injured Myocardium**
Jung, J., Tada, Y., Wahlquist, C., Bornstadt, D., Santoso, M., Woo, J., Mercola, M., Yang, P.
LIPPINCOTT WILLIAMS & WILKINS.2018
- **b-Annulated 1,4-dihydropyridines as Notch inhibitors** *BIOORGANIC & MEDICINAL CHEMISTRY LETTERS*
Gomez-Galeno, J. E., Hurtado, C., Cheng, J., Yardimci, C., Mercola, M., Cashman, J. R.
2018; 28 (20): 3363–67
- **A Premature Termination Codon Mutation in MYBPC3 Causes Hypertrophic Cardiomyopathy via Chronic Activation of Nonsense-Mediated Decay.** *Circulation*
Seeger, T., Shrestha, R., Lam, C. K., Chen, C., McKeithan, W. L., Lau, E., Wnorowski, A., McMullen, G., Greenhaw, M., Lee, J., Oikonomopoulos, A., Lee, S., Yang, et al
2018
- **Will iPSC-cardiomyocytes revolutionize the discovery of drugs for heart disease?** *CURRENT OPINION IN PHARMACOLOGY*
Bruyneel, A. A. N., McKeithan, W. L., Feyen, D. A. M., Mercola, M.
2018; 42: 55–61
- **A Novel Inhibitor Targets Both Wnt Signaling and ATM/p53 in Colorectal Cancer** *CANCER RESEARCH*
Cheng, J., Dwyer, M., Okolotowicz, K. J., Mercola, M., Cashman, J. R.
2018; 78 (17): 5072–83
- **Novel tertiary sulfonamides as potent anti-cancer agents** *BIOORGANIC & MEDICINAL CHEMISTRY*
Okolotowicz, K. J., Dwyer, M., Ryan, D., Cheng, J., Cashman, E. A., Moore, S., Mercola, M., Cashman, J. R.
2018; 26 (15): 4441–51
- **Will iPSC-cardiomyocytes revolutionize the discovery of drugs for heart disease?** *Current opinion in pharmacology*
Bruyneel, A. A., McKeithan, W. L., Feyen, D. A., Mercola, M.
2018; 42: 55–61
- **Using iPSC Models to Probe Regulation of Cardiac Ion Channel Function** *CURRENT CARDIOLOGY REPORTS*
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