Stanford



Joseph C. Wu, MD, PhD

Director, Stanford Cardiovascular Institute, Simon H. Stertzer, MD, Professor and Professor of Radiology

Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

- **Cardiovascular Medicine**

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  Stanford, CA 94305

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

  Francesca Tongo - Cardiovascular Institute

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Bio

BIO

Joseph C. Wu, MD, PhD, is Director of the Stanford Cardiovascular Institute and the Simon H. Stertzer, MD, Professor of Medicine and Radiology. Dr. Wu received his MD from Yale University and PhD in molecular pharmacology from UCLA. He completed his internship, residency, and cardiology fellowship (STAR program) at UCLA. Dr. Wu is current President of Association of University Cardiologists (2026), Past President of the American Heart Association (AHA) (2023-2024), and previously served on the FDA Cellular, Tissue, and Gene Therapies Advisory Committee (2017-2025).

Dr. Wu has published >700 manuscripts with H-index of 154 on Google scholar and recognition as top 0.1% of highly cited researchers in Web of Science for past 8 years (2018-2025). His lab focuses on (i) cardiovascular disease mechanisms, (ii) drug discovery, (iii) "clinical trial in a dish" platform, and (iv) precision medicine for patient care. Among his trainees, >60 of them are principal investigators in the US or abroad. He is co-founder of Greenstone Biosciences (https://greenstonebio.com), a startup that uses clinical genomics, human organoids, new alternative methodologies (NAMs), and AI to accelerate drug discovery. Dr. Wu is on the national advisory board for the American Heart Association and Keystone Symposia.

Dr. Wu has received numerous prestigious awards, including National Institutes of Health (NIH) Director’s New Innovator Award, NIH Roadmap Transformative Award, Presidential Early Career Award for Scientists and Engineers (PECASE) given out by President Obama at the White House, American Heart Association (AHA) Innovative Research Award, AHA Established Investigator Award, AHA Merit Award, AHA Distinguished Scientist Award, American College of Cardiology (ACC) Distinguished Scientist Award, and Burroughs Wellcome Foundation Innovation in Regulatory Science Award. He was a recipient of the Louis and Artur Lucian Award for Research in Circulatory Diseases, the Schottenstein Prize in Cardiovascular Sciences, and the ASCI Stanley J. Korsmeyer Award.

Dr. Wu is an elected member of American Society of Clinical Investigators (ASCI), Association of University Cardiologists (AUC), American Institute for Medical and Biological Engineering (AIMBE), American Association of Physicians (AAP), American Association for the Advancement of Science (AAAS), Academia Sinica (Taiwan), Asian American Academy of Science and Engineering (AAASE), American Academy of Arts & Sciences (AAA&S), National Academy of Inventors (NAI), and National Academy of Medicine (NAM).

For more information, please visit his lab website: https://med.stanford.edu/wulab.html

CLINICAL FOCUS

- Congenital Heart Disease (Adult)
- Cardiovascular Disease
- Cardiovascular Imaging

ACADEMIC APPOINTMENTS

- Professor, Medicine - Cardiovascular Medicine
- Professor, Radiology
- Member, Bio-X
- Director, Cardiovascular Institute
- Member, Institute for Stem Cell Biology and Regenerative Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Medicine Children's Health Center for IBD and Celiac Disease
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Stanford Cardiovascular Institute, (2013- present)

HONORS AND AWARDS

- Member, American Academy of Arts and Sciences (2026)
- Awardee, The ASCI Korsmeyer Award Lecture (2026)
- Awardee, Jay and Jeanie Schottenstein Prize in Cardiovascular Sciences (2025)
- Awardee, Louis and Artur Lucian Award for Research in Circulatory Diseases (2024)
- Awardee, Gill Heart & Vascular Institute Cardiovascular Research Award (2023)
- President, American Heart Association (2023)
- President-Elect, American Heart Association (2022)
- Member, National Academy of Inventors (2022)
- Academician, Academia Sinica (2022)
- Board of Directors, Keystone Symposia (2022)
- Honorary Lifetime Member, Society of Toxicology (2021)
- Member, National Academy of Medicine (2019)
- Member, American Association for the Advancement of Science (2019)
- Highly Cited Researcher (Top 1% in Web of Science), Clarivate Analytics (2018-2021)
- Distinguished Scientist Award, American Heart Association (2018)
- Member, American Institute for Medical and Biological Engineering (2018)
- Merit Award, American Heart Association (2017)
- Member, Association of American Physicians (AAP) (2015)
- Joseph A. Vita Award, American Heart Association (2015)

- Council Member, American Society Clinical Investigation (2014-2017)
- Distinguished Investigator Award, Academy of Radiology Research (2014)
- Established Investigator Award, American Heart Association (2013)
- Member, Association of University Cardiologists (AUC) (2013)
- Member, American Society Clinical Investigation (ASCI) (2012)
- Presidential Early Career Award for Scientists and Engineers (PECASE), White House Office of Technology (2010)
- NIH Roadmap Transformative Award, National Institutes of Health (2009-2014)
- NIH Director's New Innovator Award, National Institutes of Health (2008-2013)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Editorial Board, StemJournal (2018 - present)
- Senior Advising Editor, Cardiovascular Research (2018 - present)
- Advisory Board, Nature Reviews Cardiology (2017 - present)
- Chair, AHA Research Committee (2017 - present)
- Member, AHA National Board of Directors (2017 - present)
- Member, Cellular, Tissue, and Gene Therapies Advisory Committee (FDA) (2017 - present)
- Editorial Board, International Journal of Cardiology (2016 - present)
- Associate Editor, Circulation Research (2015 - present)
- Editorial Board, Scientific Report (2015 - present)
- Editorial Board, Current Cardiovascular Imaging Reports (2015 - present)
- Editorial Board, Current Protocols in Stem Cell Biology (2015 - 2017)
- Editorial Board, Cytotherapy (2014 - present)
- Scientific Advisory Board Member, Keystone Symposia (2014 - present)
- Editorial Board, Physiological Genomics (2013 - 2016)
- Editorial Board, Journal Clinical Investigation (2012 - present)
- Editorial Board, Molecular Therapy (2011 - present)
- Editorial Board, Stem Cell Research (2011 - present)
- Editorial Board, Journal Geriatric Cardiology (2011 - 2015)
- Editorial Board, Human Gene Therapy (2009 - present)
- Editorial Board, Journal Nuclear Cardiology (2009 - 2018)
- Editorial Board, Circulation: Cardiovascular Imaging (2008 - present)
- Editorial Board, JACC: Cardiovascular Imaging (2008 - 2018)

PROFESSIONAL EDUCATION

- Medical Education: Yale School Of Medicine (1997) CT
- Fellowship, UCLA Medical Center , Cardiovascular Medicine (2004)
- PhD, UCLA , Molecular & Medical Pharmacology (2004)
- MD, Yale University School of Medicine , Medicine (1997)
- BS, UCLA , Biology (1993)

LINKS

- Joseph Wu Lab Website: http://med.stanford.edu/wulab.html
- Stanford Cardiovascular Institute: http://cvi.stanford.edu/

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

His lab works on cardiovascular genomics and induced pluripotent stem cells (iPSCs). The main goals are to (i) understand basic disease mechanisms, (ii) accelerate drug discovery and screening, (iii) develop “clinical trial in a dish” concept, and (iv) implement precision medicine for patients.

CLINICAL TRIALS

- NBS10 (Also Known as AMR-001) Versus Placebo Post ST Segment Elevation Myocardial Infarction, Not Recruiting

Teaching

COURSES

2025-26

- Introduction to Drug Development: A Guide to Therapeutic Innovation: MED 225 (Spr)

2024-25

- Introduction to Drug Development: A Guide to Therapeutic Innovation: MED 225 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Yi Yi Du, Pengwei Sun

Postdoctoral Faculty Sponsor

. Anurendra Kumar, Saeed Anwar, Stefanie Banahene, Jonas Cerneckis, Cholong Choi, Meysam Chorsi, Yanhua Cui, Yuanyuan Dai, Souradeep Dey, Jingshan Gao, Rihua Huang, Nerea Jimenez Tellez, Linqi Jin, Jordan Jousma, Cody Juguilon, Xiaohui Kong, Jiawei Li, Shiqi Lin, Thulaj Meharwade, Bryan Mosher, Byron Junior Wen Huei Mui, Debarun Patra, Zubin Rana, Kyle Rouen, Einollah Sarikhani, Shuai Sun, Renke Tan, Ravichandra Venkateshappa, Xuekun Wu, Mengjie Xie, Xinran Xie, Xiaochun Yang, Zehra Yildirim, Jihye Yun, Kristina Zdantsevich, Pete Zushin

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Bioengineering (PhD Program)
- Cardiovascular Medicine (Fellowship Program)
- Immunology (PhD Program)

Publications

PUBLICATIONS

- **Selective inhibition of stromal mechanosensing suppresses cardiac fibrosis.** *Nature*
  Cho, S., Rhee, S., Madl, C. M., Caudal, A., Thomas, D., Kim, H., Kojic, A., Shin, H. S., Mahajan, A., Jahng, J. W., Wang, X., Thai, P. N., Paik, et al
  2025
- **CRISPRi/a screens in human iPSC-cardiomyocytes identify glycolytic activation as a druggable target for doxorubicin-induced cardiotoxicity.** *Cell stem cell*
  Liu, C., Shen, M., Liu, Y., Manhas, A., Zhao, S. R., Zhang, M., Belbachir, N., Ren, L., Zhang, J. Z., Caudal, A., Nishiga, M., Thomas, D., Zhang, et al
  2024

- **Multiscale drug screening for cardiac fibrosis identifies MD2 as a therapeutic target.** *Cell*
  Zhang, H., Thai, P. N., Shivnaraine, R. V., Ren, L., Wu, X., Siepe, D. H., Liu, Y., Tu, C., Shin, H. S., Caudal, A., Mukherjee, S., Leitz, J., Wen, et al
  2024

- **Tachycardia-induced metabolic rewiring as a driver of contractile dysfunction.** *Nature biomedical engineering*
  Tu, C., Caudal, A., Liu, Y., Gorgodze, N., Zhang, H., Lam, C. K., Dai, Y., Zhang, A., Wnorowski, A., Wu, M. A., Yang, H., Abilez, O. J., Lyu, et al
  2023

- **SGLT2 inhibitor ameliorates endothelial dysfunction associated with the common ALDH2 alcohol flushing variant.** *Science translational medicine*
  Guo, H., Yu, X., Liu, Y., Paik, D. T., Justesen, J. M., Chandy, M., Jahng, J. W., Zhang, T., Wu, W., Rwere, F., Zhao, S. R., Pokhrel, S., Shivnaraine, et al
  2023; 15 (680): eabp9952

- **Cannabinoid receptor 1 antagonist genistein attenuates marijuana-induced vascular inflammation.** *Cell*
  Wei, T. T., Chandy, M., Nishiga, M., Zhang, A., Kumar, K. K., Thomas, D., Manhas, A., Rhee, S., Justesen, J. M., Chen, I. Y., Wo, H. T., Khanamiri, S., Yang, et al
  2022

- **Patient and Disease-Specific Induced Pluripotent Stem Cells for Discovery of Personalized Cardiovascular Drugs and Therapeutics.** *Pharmacological reviews*
  Paik, D. T., Chandy, M. n., Wu, J. C.
  2020; 72 (1): 320–42

- **A Human iPSC Double-Reporter System Enables Purification of Cardiac Lineage Subpopulations with Distinct Function and Drug Response Profiles.** *Cell stem cell*
  Zhang, J. Z., Termglinchan, V., Shao, N., Itzhaki, I., Liu, C., Ma, N., Tian, L., Wang, V. Y., Chang, A. C., Guo, H., Kitani, T., Wu, H., Lam, et al
  2019

- **Stanford Cardiovascular Institute.** *Circulation research*
  Wu, J. C., Woo, Y. J., Mayerle, M. n., Harrington, R. A., Quertermous, T. n.
  2019; 124 (10): 1420–24

- **Activation of PDGF pathway links LMNA mutation to dilated cardiomyopathy.** *Nature*
  Lee, J. n., Termglinchan, V. n., Diecke, S. n., Itzhaki, I. n., Lam, C. K., Garg, P. n., Lau, E. n., Greenhaw, M. n., Seeger, T. n., Wu, H. n., Zhang, J. Z., Chen, X. n., Gil, et al
  2019

- **Autologous iPSC-Based Vaccines Elicit Anti-tumor Responses In Vivo.** *Cell stem cell*
  Kooreman, N. G., Kim, Y. n., de Almeida, P. E., Termglinchan, V. n., Diecke, S. n., Shao, N. Y., Wei, T. T., Yi, H. n., Dey, D. n., Nelakanti, R. n., Brouwer, T. P., Paik, D. T., Sagiv-Barfi, et al
  2018

- **High-throughput screening of tyrosine kinase inhibitor cardiotoxicity with human induced pluripotent stem cells.** *Science translational medicine*
  Sharma, A., Burridge, P. W., McKeithan, W. L., Serrano, R., Shukla, P., Sayed, N., Churko, J. M., Kitani, T., Wu, H., Holmström, A., Matsa, E., Zhang, Y., Kumar, et al
  2017; 9 (377)

- **Molecular and functional resemblance of differentiated cells derived from isogenic human iPSCs and SCNT-derived ESCs.** *Proceedings of the National Academy of Sciences of the United States of America*
  Zhao, M. T., Chen, H. n., Liu, Q. n., Shao, N. Y., Sayed, N. n., Wo, H. T., Zhang, J. Z., Ong, S. G., Liu, C. n., Kim, Y. n., Yang, H. n., Chour, T. n., Ma, et al
  2017

- **iPSC-derived cardiomyocytes reveal abnormal TGF-ß signalling in left ventricular non-compaction cardiomyopathy.** *Nature cell biology*
  Kodo, K., Ong, S., Jahanbani, F., Termglinchan, V., Hirono, K., Inanloorahatloo, K., Ebert, A. D., Shukla, P., Abilez, O. J., Churko, J. M., Karakikes, I., Jung, G., Ichida, et al
  2016; 18 (10): 1031-1042

- **A Tension-Based Model Distinguishes Hypertrophic versus Dilated Cardiomyopathy** *CELL*

Davis, J., Davis, L. C., Correll, R. N., Makarewich, C. A., Schwanekamp, J. A., Moussavi-Harami, F., Wang, D., York, A. J., Wu, H., Houser, S. R., Seidman, C. E., Seidman, J. G., Regnier, et al
2016; 165 (5): 1147-1159

- **Chemically defined generation of human cardiomyocytes.** *Nature methods*
  Burridge, P. W., Matsa, E., Shukla, P., Lin, Z. C., Churko, J. M., Ebert, A. D., Lan, F., Diecke, S., Huber, B., Mordwinkin, N. M., Plews, J. R., Abilez, O. J., Cui, et al
  2014; 11 (8): 855-860

- **Global Epigenomic Reconfiguration During Mammalian Brain Development.** *Science (New York, N.Y.)*
  Lister, R., Mukamel, E. A., Nery, J. R., Urich, M., Puddifoot, C. A., Johnson, N. D., Lucero, J., Huang, Y., Dwork, A. J., Schultz, M. D., Yu, M., Tonti-Filippini, J., Heyn, et al
  2013

- **Multiscale drug screening for cardiac fibrosis identifies MD2 as a therapeutic target** *Cell*
  Zhang, H.
  2024

- **Exercise reprograms the inflammatory landscape of multiple stem cell compartments during mammalian aging** *Cell Stem Cell*
  Liu, L., Kim, S., Buckley, M., Reyes, J., Kang, J., Tian, L., Wang, M., Lieu, A., Mao, M., Mateo, C., Ishak, H., Jeong, M., Wu, et al
  2023; 30 (1-17)

- **TRF2 rescues telomere attrition and prolongs cell survival in Duchenne muscular dystrophy cardiomyocytes derived from human iPSCs** *Proceedings of the National Academy of Sciences of the United States of America*
  Eguchi, A., Gonzalez, A. G., Torres-Bigio, S. I., Koleckar, K., Birnbaum, F., Zhang, J. Z., Wang, V. Y., Wu, J. C., Artandi, S. E., Blau, H. M.
  2023; 120 (6): e2209967120

- **Harnessing human genetics and stem cells for precision cardiovascular medicine** *Cell Genomics*
  Caudal, A., Snyder, M. P., Wu, J. C.
  2023

- **Statins improve endothelial function via suppression of epigenetic-driven EndMT** *Nature Cardiovascular Research*
  Liu, C., Shen, M., Tan, W. L., Chen, I. Y., Liu, Y., Yu, X., Zhang, A., Liu, Y., Zhao, M., Ameen, M., Zhang, M., Gross, E. R., Lei, et al
  2023

- **Exosomes From Induced Pluripotent Stem Cell-Derived Cardiomyocytes Promote Autophagy for Myocardial Repair.** *Journal of the American Heart Association*
  Santoso, M. R., Ikeda, G., Tada, Y., Jung, J., Vaskova, E., Sierra, R. G., Gati, C., Goldstone, A. B., von Bornstaedt, D., Shukla, P., Wu, J. C., Wakatsuki, S., Woo, et al
  2020; 9 (6): e014345

- **Stem Cell-Derived Cardiomyocytes and Beta-Adrenergic Receptor Blockade in Duchenne Muscular DystrophyCardiomyopathy.** *Journal of the American College of Cardiology*
  Kamdar, F., Das, S., Gong, W., Klaassen Kamdar, A., Meyers, T. A., Shah, P., Ervasti, J. M., Townsend, D., Kamp, T. J., Wu, J. C., Garry, M. G., Zhang, J., Garry, et al
  2020; 75 (10): 1159–74

- **Gut microbiota and cardiovascular disease: opportunities and challenges.** *Microbiome*
  Kazemian, N., Mahmoudi, M., Halperin, F., Wu, J. C., Pakpour, S.
  2020; 8 (1): 36

- **Total Microfluidic chip for Multiplexed diagnostics (ToMMx).** *Biosensors & bioelectronics*
  Ozen, M. O., Sridhar, K., Ogut, M. G., Shanmugam, A., Avadhani, A. S., Kobayashi, Y., Wu, J. C., Haddad, F., Demirci, U.
  2020; 150: 111930

- **Using Bioengineered Bioluminescence to Track Stem Cell Transplantation In Vivo.** *Methods in molecular biology (Clifton, N.J.)*
  Han, D. n., Wu, J. C.
  2020; 2126: 1–11

- **Cumulative Lifetime Burden of Cardiovascular Disease From Early Exposure to Air Pollution.** *Journal of the American Heart Association*

Kim, J. B., Prunicki, M. n., Haddad, F. n., Dant, C. n., Sampath, V. n., Patel, R. n., Smith, E. n., Akdis, C. n., Balmes, J. n., Snyder, M. P., Wu, J. C., Nadeau, K. C.
2020; 9 (6): e014944

- **Therapeutic genome editing in cardiovascular diseases.** *Advanced drug delivery reviews*
  Nishiga, M. n., Qi, L. S., Wu, J. C.
  2020

- **Mural Cell SDF1 Signaling is Associated with the Pathogenesis of Pulmonary Arterial Hypertension.** *American journal of respiratory cell and molecular biology*
  Yuan, K. n., Liu, Y. n., Zhang, Y. n., Nathan, A. n., Tian, W. n., Yu, J. n., Sweatt, A. J., Condon, D. n., Chakraborty, A. n., Agarwal, S. n., Auer, N. n., Zhang, S. n., Wu, et al
  2020

- **RNA Sequencing Analysis of Induced Pluripotent Stem Cell-Derived Cardiomyocytes from Congenital Heart Disease Patients.** *Circulation research*
  Kitani, T. n., Tian, L. n., Zhang, T. n., Itzhaki, I. n., Zhang, J. Z., Ma, N. n., Liu, C. n., Rhee, J. W., Romfh, A. n., Lui, G. K., Wu, J. C.
  2020

- **Pharmacological Silencing of MicroRNA-152 Prevents Pressure Overload-Induced Heart Failure.** *Circulation. Heart failure*
  LaRocca, T. J., Seeger, T. n., Prado, M. n., Perea-Gil, I. n., Neofytou, E. n., Mecham, B. H., Ameen, M. n., Chang, A. C., Pandey, G. n., Wu, J. C., Karakikes, I. n.
  2020; 13 (3): e006298

- **Effects of Spaceflight on Human Induced Pluripotent Stem Cell-Derived Cardiomyocyte Structure and Function.** *Stem cell reports*
  Wnorowski, A., Sharma, A., Chen, H., Wu, H., Shao, N., Sayed, N., Liu, C., Countryman, S., Stodieck, L. S., Rubins, K. H., Wu, S. M., Lee, P. H., Wu, et al
  2019

- **Novel Circulating Tumor Cell Assay for Detection of Colorectal Adenomas and Cancer.** *Clinical and translational gastroenterology*
  Tsai, W., You, J., Hung, H., Hsieh, P., Hsieh, B., Lenz, H., Idos, G., Friedland, S., Yi-Jiun Pan, J., Shao, H., Wu, J., Lai, J., Chang, et al
  2019; 10 (10): e00088

- **Vismione B Interferes with Trypanosoma cruzi Infection of Vero Cells and Human Stem Cell-Derived Cardiomyocytes.** *The American journal of tropical medicine and hygiene*
  Sass, G., Tsamo, A. T., Chounda, G. A., Nangmo, P. K., Sayed, N., Bozzi, A., Wu, J. C., Nkengfack, A. E., Stevens, D. A.
  2019

- **Improving the engraftment and integration of cell transplantation for cardiac regeneration.** *Cardiovascular research*
  Tu, C., Mezynski, R., Wu, J. C.
  2019

- **Atheroprotective roles of smooth muscle cell phenotypic modulation and the TCF21 disease gene as revealed by single-cell analysis.** *Nature medicine*
  Wirka, R. C., Wagh, D., Paik, D. T., Pjanic, M., Nguyen, T., Miller, C. L., Kundu, R., Nagao, M., Coller, J., Koyano, T. K., Fong, R., Woo, Y. J., Liu, et al
  2019

- **Induced Pluripotent Stem Cell-Based Cancer Vaccines.** *Frontiers in immunology*
  Ouyang, X., Telli, M. L., Wu, J. C.
  2019; 10: 1510

- **RRAD mutation causes electrical and cytoskeletal defects in cardiomyocytes derived from a familial case of Brugada syndrome.** *European heart journal*
  Belbachir, N., Portero, V., Al Sayed, Z. R., Gourraud, J., Dilasser, F., Jesel, L., Guo, H., Wu, H., Gaborit, N., Guilluy, C., Girardeau, A., Bonnaud, S., Simonet, et al
  2019

- **Electronic Cigarettes: Where There Is Smoke There Is Disease.** *Journal of the American College of Cardiology*
  Wu, J. C., Rhee, J. W., Sallam, K. n.
  2019; 74 (25): 3121–23

- **Molecular imaging of cardiac regenerative medicine** *Current Opinion in Biomedical Engineering*
  Qin, X., Han, D., Wu, J. C.
  2019; 9: 66-73
- **Towards Precision Medicine With Human iPSCs for Cardiac Channelopathies.** *Circulation research*
  Wu, J. C., Garg, P. n., Yoshida, Y. n., Yamanaka, S. n., Gepstein, L. n., Hulot, J. S., Knollmann, B. C., Schwartz, P. J.
  2019; 125 (6): 653–58
- **Reversible Mitochondrial Fragmentation in iPSC-Derived Cardiomyocytes From Children With DCMA, a Mitochondrial Cardiomyopathy.** *The Canadian journal of cardiology*
  Rohani, L. n., Machiraju, P. n., Sabouny, R. n., Meng, G. n., Liu, S. n., Zhao, T. n., Iqbal, F. n., Wang, X. n., Ravandi, A. n., Wu, J. C., Khan, A. n., Shutt, T. n., Rancourt, et al
  2019
- **Splice-Junction-Based Mapping of Alternative Isoforms in the Human Proteome.** *Cell reports*
  Lau, E. n., Han, Y. n., Williams, D. R., Thomas, C. T., Shrestha, R. n., Wu, J. C., Lam, M. P.
  2019; 29 (11): 3751–65.e5
- **Induced Pluripotent Stem Cells as a Novel Cancer Vaccine.** *Expert opinion on biological therapy*
  Wang, L. n., Pegram, M. D., Wu, J. C.
  2019
- **The West coast regional safety pharmacology society meeting update: Filling translational gaps in safety assessment.** *Journal of pharmacological and toxicological methods*
  Abi-Gerges, N. n., McMahon, C. n., Vargas, H. n., Sager, P. n., Chui, R. n., Stevens, D. n., Davila, J. n., Schaub, J. R., Wu, J. C., Del Rio, C. n., Mathes, C. n., Miller, P. E., Burns-Naas, et al
  2019: 106582
- **Workshop Report: FDA Workshop on Improving Cardiotoxicity Assessment With Human-Relevant Platforms.** *Circulation research*
  Pang, L. n., Sager, P. n., Yang, X. n., Shi, H. n., Sannajust, F. n., Brock, M. n., Wu, J. C., Abi-Gerges, N. n., Lyn-Cook, B. n., Berridge, B. R., Stockbridge, N. n.
  2019; 125 (9): 855–67
- **NanoMEA: A Tool for High-Throughput, Electrophysiological Phenotyping of Patterned Excitable Cells.** *Nano letters*
  Smith, A. S., Choi, E. n., Gray, K. n., Macadangdang, J. n., Ahn, E. H., Clark, E. C., Laflamme, M. A., Wu, J. C., Murry, C. E., Tung, L. n., Kim, D. H.
  2019
- **Dyslipidaemia: In vivo genome editing of ANGPTL3: a therapy for atherosclerosis?** *Nature reviews. Cardiology*
  Rhee, J., Wu, J. C.
  2018; 15 (5): 259–60
- **Omics, Big Data, and Precision Medicine in Cardiovascular Sciences.** *Circulation research*
  Lau, E., Wu, J. C.
  2018; 122 (9): 1165–68
- **Applications of genetically engineered human pluripotent stem cell reporters in cardiac stem cell biology.** *Current opinion in biotechnology*
  Zhang, J. Z., Guo, H., Wu, J. C.
  2018; 52: 66–73
- **Induced pluripotent stem cells as a biopharmaceutical factory for extracellular vesicles.** *European heart journal*
  Nishiga, M. n., Guo, H. n., Wu, J. C.
  2018
- **Autologous iPSC-Based Vaccines Elicit Anti-tumor Responses In Vivo** *CELL STEM CELL*
  Kooreman, N. G., Kim, Y., de Almeida, P. E., Termglinchan, V., Diecke, S., Shao, N., Wei, T., Yi, H., Dey, D., Nelakanti, R., Brouwer, T. P., Paik, D. T., Sagiv-Barfi, et al
  2018
- **Prolonged survival of transplanted stem cells after ischaemic injury via the slow release of pro-survival peptides from a collagen matrix** *Nature Biomedical Engineering*

Lee, A. S., Inayathullah, ., Lijkwan, . A., Zhao, X., Sun, W., Park, S., Hong, W. X., Parekh, M. B., Malkovskiy, A. V., Lau, E., Qin, X., Pothineni,, . R., et al

2018; 2 (2): 104–13

- **Induced Pluripotent Stem Cells for Cardiovascular Disease Modeling and Precision Medicine A Scientific Statement From the American Heart Association** *CIRCULATION-CARDIOVASCULAR GENETICS*

  Musunuru, K., Sheikh, F., Gupta, R. M., Houser, S. R., Maher, K. O., Milan, D. J., Terzic, A., Wu, J. C., Amer Heart Assoc Council, Council Cardiovasc Dis Young, Council Cardiovasc Stroke Nursing

  2018; 11 (1)

- **Human Induced Pluripotent Stem Cell (hiPSC)-Derived Cells to Assess Drug Cardiotoxicity: Opportunities and Problems.** *Annual review of pharmacology and toxicology*

  Magdy, T. n., Schuldt, A. J., Wu, J. C., Bernstein, D. n., Burridge, P. W.

  2018; 58: 83–103

- **Myocardial perfusion imaging: Lessons learned and work to be done-update.** *Journal of nuclear cardiology : official publication of the American Society of Nuclear Cardiology*

  Iskandrian, A. E., Dilsizian, V. n., Garcia, E. V., Beanlands, R. S., Cerqueira, M. n., Soman, P. n., Berman, D. S., Cuocolo, A. n., Einstein, A. J., Morgan, C. J., Hage, F. G., Schelbert, H. R., Bax, et al

  2018; 25 (1): 39–52

- **Cardiac Cell Cycle Activation as a Strategy to Improve iPSC-Derived Cardiomyocyte Therapy.** *Circulation research*

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