

Stanford



Joseph C. Wu, MD, PhD

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

Medicine - Cardiovascular Medicine

CLINICAL OFFICES

- **Cardiovascular Medicine**

300 Pasteur Dr Rm A260

MC 5319

Stanford, CA 94305

Tel (650) 723-6145 **Fax** (650) 723-8392

265 Campus Dr G1120B

MC 5454

Stanford, CA 94305

Tel (650) 736-2246 **Fax** (650) 736-0234

ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Francesca Tongo - Cardiovascular Institute

Email ftongco@stanford.edu

Tel (650) 736-9206

Bio

BIO

Dr. Wu is a board-certified cardiologist. He is the director of the Stanford Cardiovascular Institute and the Simon H. Stertzler, MD, Professor of Medicine and Radiology at Stanford University School of Medicine.

The American Heart Association appointed Dr. Wu as its president-elect for fiscal year 2022-2023.

His clinical interests include adult congenital heart disease and cardiovascular imaging. He strives to help each patient achieve the best possible heart health and quality of life.

To advance heart care, Dr. Wu conducts extensive research, focusing on clinical genomics, stem cells, and drug development. The goals of his research are to enhance our understanding of cardiovascular diseases, accelerate the discovery of new drug treatments, and ensure that every cardiovascular patient will benefit from the best of personalized precision medicine being developed at Stanford Medicine.

Dr. Wu has published more than 500 manuscripts with H-index of 118, and is one of the world's most highly cited scholars in the field of cardiology. His work has appeared in peer-reviewed journals including Nature, Cell, Science, Nature Medicine, Science Translational Medicine, Cell Stem Cell, PNAS, Circulation, Journal of the American College of Cardiology, European Heart Journal, and many more.

Dr. Wu also educates the heart specialists of the future. More than 45 of his trainees are now principal investigators of clinical or research studies in major academic centers both in the US and internationally.

Dr. Wu is an elected member of the National Academy of Medicine (NAM), National Academy of Inventors (NAI), American Association for the Advancement of Science (AAAS), American Society for Clinical Investigation (ASCI), Association of American Physicians (AAP), Academia Sinica (Taiwan), Association of University Cardiologists (AUC), and American Institute for Medical and Biological Engineering (AIMBE). He is an honorary lifetime member of the Society of Toxicology (SOT).

He has earned numerous honors, including the Distinguished Scientist Award from the American Heart Association and the Director's New Innovator Award from the National Institutes of Health. He also received the Presidential Early Career Award for Scientists and Engineers (PECASE) from the White House Office of Technology.

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, Maternal & Child Health Research Institute (MCHRI)
- Faculty Fellow, Sarafan ChEM-H
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

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

HONORS AND AWARDS

- 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, Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Brian Yu

Doctoral Dissertation Reader (AC)

Yuanjia Zhu

Postdoctoral Faculty Sponsor

Bernardo Bonilauri, Xu Cao, Arianne Caudal, Sangkyun Cho, James Jahng, Nerea Jimenez Tellez, Cody Juguilon, Hyeon Yu Kim, Ana Kojic, Xiaohui Kong, Li Li, Lichao Liu, Wenqiang Liu, Yu Liu, Amit Manhas, Gema Mondejar Parreno, McKay Mullen, Shane R. Zhao, Lu Ren, Mengcheng Shen, Chengyi Tu, Francesca Vacante, Ravichandra Venkateshappa, Carlos Vera, Lin Wang, Mingqiang Wang, Xuekun Wu, Zehra Yildirim, Wenshu Zeng, Mao Zhang, Wenjuan Zhu, Pete Zushin

Doctoral Dissertation Advisor (AC)

Angela Zhang

Postdoctoral Research Mentor

Katherine Konvinse

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

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

Publications

PUBLICATIONS

- **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
- **SETD7 Drives Cardiac Lineage Commitment through Stage-Specific Transcriptional Activation.** *Cell stem cell*
Lee, J. n., Shao, N. Y., Paik, D. T., Wu, H. n., Guo, H. n., Termglinchan, V. n., Churko, J. M., Kim, Y. n., Kitani, T. n., Zhao, M. T., Zhang, Y. n., Wilson, K. D., Karakikes, et al
2018; 22 (3): 428–44.e5
- **High-throughput screening of tyrosine kinase inhibitor cardiotoxicity with human induced pluripotent stem cells.** *Science translational medicine*
Sharma, A., Burrridge, 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- β 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., Schwaneckamp, 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
- **Human induced pluripotent stem cell-derived cardiomyocytes recapitulate the predilection of breast cancer patients to doxorubicin-induced cardiotoxicity** *NATURE MEDICINE*
Burrridge, P. W., Li, Y. F., Matsa, E., Wu, H., Ong, S., Sharma, A., Holmstrom, A., Chang, A. C., Coronado, M. J., Ebert, A. D., Knowles, J. W., Telli, M. L., Witteles, et al
2016; 22 (5): 547-556
- **Induced pluripotent stem cells.** *JAMA*
Wilson, K. D., Wu, J. C.
2015; 313 (16): 1613-1614
- **Characterization of the molecular mechanisms underlying increased ischemic damage in the aldehyde dehydrogenase 2 genetic polymorphism using a human induced pluripotent stem cell model system** *SCIENCE TRANSLATIONAL MEDICINE*
Ebert, A. D., Kodo, K., Liang, P., Wu, H., Huber, B. C., Riegler, J., Churko, J., Lee, J., de Almeida, P., Lan, F., Diecke, S., Burrridge, P. W., Gold, et al
2014; 6 (255)

- **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
- **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
- **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 Dystrophy Cardiomyopathy.** *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., Collier, 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
- **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., Macadangang, 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
- **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*
Rhee, J. W., Wu, J. C.
2018; 122 (1): 14–16
- **Global Overview of the Transnational Alliance for Regenerative Therapies in Cardiovascular Syndromes (TACTICS) Recommendations: A Comprehensive Series of Challenges and Priorities of Cardiovascular Regenerative Medicine.** *Circulation research*
Fernández-Avilés, F. n., Sanz-Ruiz, R. n., Climent, A. M., Badimon, L. n., Bolli, R. n., Charron, D. n., Fuster, V. n., Janssens, S. n., Kastrup, J. n., Kim, H. S., Lüscher, T. F., Martin, J. F., Menasché, et al
2018; 122 (2): 199–201
- **Endothelial deletion of Ino80 disrupts coronary angiogenesis and causes congenital heart disease.** *Nature communications*
Rhee, S. n., Chung, J. I., King, D. A., D'amato, G. n., Paik, D. T., Duan, A. n., Chang, A. n., Nagelberg, D. n., Sharma, B. n., Jeong, Y. n., Diehn, M. n., Wu, J. C., Morrison, et al
2018; 9 (1): 368
- **Cancer therapy-induced cardiomyopathy: can human induced pluripotent stem cell modelling help prevent it?** *European heart journal*
Stack, J. P., Moslehi, J. n., Sayed, N. n., Wu, J. C.
2018

- **Comparison of Non-human Primate versus Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes for Treatment of Myocardial Infarction.** *Stem cell reports*
Zhao, X. n., Chen, H. n., Xiao, D. n., Yang, H. n., Itzhaki, I. n., Qin, X. n., Chour, T. n., Aguirre, A. n., Lehmann, K. n., Kim, Y. n., Shukla, P. n., Holmström, A. n., Zhang, et al
2018; 10 (2): 422–35
- **Mining Exosomal MicroRNAs from Human-Induced Pluripotent Stem Cells-Derived Cardiomyocytes for Cardiac Regeneration.** *Methods in molecular biology (Clifton, N.J.)*
Ong, S. G., Lee, W. H., Zhou, Y. n., Wu, J. C.
2018; 1733: 127–36
- **Radiolabeled Duramycin: Promising Translational Imaging of Myocardial Apoptosis.** *JACC. Cardiovascular imaging*
Wu, J. C., Qin, X. n., Neofytou, E. n.
2018
- **Modeling human diseases with induced pluripotent stem cells: from 2D to 3D and beyond.** *Development (Cambridge, England)*
Liu, C. n., Oikonomopoulos, A. n., Sayed, N. n., Wu, J. C.
2018; 145 (5)
- **Multiscale technologies for treatment of ischemic cardiomyopathy.** *Nature nanotechnology*
Mahmoudi, M., Yu, M., Serpooshan, V., Wu, J. C., Langer, R., Lee, R. T., Karp, J. M., Farokhzad, O. C.
2017; 12 (9): 845-855
- **Combining hiPSCs and Human Genetics: Major Applications in Drug Development.** *Cell stem cell*
Zhang, J., Li, H., Trounson, A., Wu, J. C., Nioi, P.
2017; 21 (2): 161-165
- **Incremental value of right heart metrics and exercise performance to well-validated risk scores in dilated cardiomyopathy.** *European heart journal cardiovascular Imaging*
Moneghetti, K. J., Giraldeau, G., Wheeler, M. T., Kobayashi, Y., Vrtovec, B., Boulate, D., Kuznetsova, T., Schmittger, I., Wu, J. C., Myers, J., Ashley, E., Haddad, F.
2017
- **Bioacoustic-enabled patterning of human iPSC-derived cardiomyocytes into 3D cardiac tissue** *BIOMATERIALS*
Serpooshan, V., Chen, P., Wu, H., Lee, S., Sharma, A., Hu, D. A., Venkatraman, S., Ganesan, A. V., Usta, O. B., Yarmush, M., Yang, F., Wu, J. C., Demirci, et al
2017; 131: 47-57
- **Contractile force generation by 3D hiPSC-derived cardiac tissues is enhanced by rapid establishment of cellular interconnection in matrix with muscle-mimicking stiffness** *BIOMATERIALS*
Lee, S., Serpooshan, V., Tong, X., Venkatraman, S., Lee, M., Lee, J., Chirikian, O., Wu, J. C., Wu, S. M., Yang, F.
2017; 131: 111-120
- **F-Fluoromaltotriose: A Second Generation PET Tracer Targeting the Maltodextrin Transporter in Bacteria.** *Journal of nuclear medicine*
Gowrishankar, G., Hardy, J., Wardak, M., Namavari, M., Reeves, R., Neofytou, E., Srinivasan, A., Wu, J., Contag, C., Gambhir, S.
2017
- **3-Dimensionally Printed, Native-Like Scaffolds for Myocardial Tissue Engineering** *CIRCULATION RESEARCH*
Wnorowski, A., Wu, J. C.
2017; 120 (8): 1224-1226
- **Patient-Specific iPSC-Derived Endothelial Cells Uncover Pathways that Protect against Pulmonary Hypertension in BMPR2 Mutation Carriers** *CELL STEM CELL*
Gu, M., Shao, N., Sa, S., Li, D., Termglinchan, V., Ameen, M., Karakikes, I., Sosa, G., Grubert, F., Lee, J., Cao, A., Taylor, S., Ma, et al
2017; 20 (4): 490-?
- **Induced Pluripotent Stem Cell Model of Pulmonary Arterial Hypertension Reveals Novel Gene Expression and Patient Specificity** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Sa, S., Gu, M., Chappe, J., Shao, N., Ameen, M., Elliott, K. A., Li, D., Grubert, F., Li, C. G., Taylor, S., Cao, A., Ma, Y., Fong, et al
2017; 195 (7): 930-941
- **Partial Reprogramming of Pluripotent Stem Cell-Derived Cardiomyocytes into Neurons** *SCIENTIFIC REPORTS*

- Chuang, W., Sharma, A., Shukla, P., Li, G., Mall, M., Rajarajan, K., Abilez, O. J., Hamaguchi, R., Wu, J. C., Wernig, M., Wu, S. M.
2017; 7
- **Human AML-iPSCs Reacquire Leukemic Properties after Differentiation and Model Clonal Variation of Disease.** *Cell stem cell*
Chao, M. P., Gentles, A. J., Chatterjee, S., Lan, F., Reinisch, A., Corces, M. R., Xavy, S., Shen, J., Haag, D., Chanda, S., Sinha, R., Morganti, R. M., Nishimura, et al
2017; 20 (3): 329-344 e7
 - **A Comprehensive TALEN-Based Knockout Library for Generating Human Induced Pluripotent Stem Cell-Based Models for Cardiovascular Diseases.** *Circulation research*
Karakikes, I., Termglinchan, V., Cepeda, D. A., Lee, J., Diecke, S., Hendel, A., Itzhaki, I., Ameen, M., Shrestha, R., Wu, H., Ma, N., Shao, N., Seeger, et al
2017
 - **Nondestructive nanostraw intracellular sampling for longitudinal cell monitoring.** *Proceedings of the National Academy of Sciences of the United States of America*
Cao, Y., Hjort, M., Chen, H., Birey, F., Leal-Ortiz, S. A., Han, C. M., Santiago, J. G., Pasca, S. P., Wu, J. C., Melosh, N. A.
2017
 - **Induced pluripotent stem cell technology: a decade of progress** *NATURE REVIEWS DRUG DISCOVERY*
Shi, Y., Inoue, H., Wu, J. C., Yamanaka, S.
2017; 16 (2): 115-130
 - **Efficient Genome Editing in Induced Pluripotent Stem Cells with Engineered Nucleases In Vitro.** *Methods in molecular biology (Clifton, N.J.)*
Termglinchan, V., Seeger, T., Chen, C., Wu, J. C., Karakikes, I.
2017; 1521: 55-68
 - **Multiscale technologies for treatment of ischemic cardiomyopathy** *Nature Nanotechnology*
Mahmoudi, M., Yu, M., Serpooshan, V., Wu, J. C., Langer, R., Lee, R. T., Karp, J. M., Farokhzad, O. C.
2017; 12: 845–855
 - **Imaging Cardiac Stem Cell Therapy** *Cardiac Regeneration*
Qin, X., Chen, I. Y., Wu, J. C.
Springer.2017: 241–258
 - **Incremental value of right heart metrics and exercise performance to well-validated risk scores in dilated cardiomyopathy** *European Heart Journal - Cardiovascular Imaging*
Moneghetti, K. J., Giraldeau, G., Wheeler, M. T., Kobayashi, Y., Vrtovec, B., Boulate, D., Kuznetsova, T., Schnittger, I., Wu, J. C., Myers, J., Ashely, E., Haddad, F.
2017
 - **Photoacoustic Imaging of Embryonic Stem Cell-Derived Cardiomyocytes in Living Hearts with Ultrasensitive Semiconducting Polymer Nanoparticles** *Advanced Functional Materials*
Qin, X., Chen, H., Yang, H., Wu, H., Zhao, X., Wang, H., Chour, T., Neofytou, E., Ding, D., Daldrup-Link, H., Heilshorn, S. C., Li, K., Wu, et al
2017
 - **External Beam Radiation Therapy for the Treatment of Human Pluripotent Stem Cell-Derived Teratomas.** *Stem cells (Dayton, Ohio)*
Lee, A. S., Tang, C. n., Hong, W. X., Park, S. n., Bazalova, M. n., Nelson, G. n., Sanchez-Freire, V. n., Bakerman, I. n., Zhang, W. n., Neofytou, E. n., Connolly, A. J., Chan, C. K., Graves, et al
2017
 - **Patient-Specific Induced Pluripotent Stem Cell-Based Disease Model for Pathogenesis Studies and Clinical Pharmacotherapy.** *Circulation. Arrhythmia and electrophysiology*
Li, Y. n., Sallam, K. n., Schwartz, P. J., Wu, J. C.
2017; 10 (6)
 - **Autoantibody profiling on a plasmonic nano-gold chip for the early detection of hypertensive heart disease.** *Proceedings of the National Academy of Sciences of the United States of America*
Li, X. n., Kuznetsova, T. n., Cauwenberghs, N. n., Wheeler, M. n., Maecker, H. n., Wu, J. C., Haddad, F. n., Dai, H. n.
2017; 114 (27): 7089–94
 - **Genome-Wide Temporal Profiling of Transcriptome and Open Chromatin of Early Cardiomyocyte Differentiation Derived From hiPSCs and hESCs.** *Circulation research*

- Liu, Q. n., Jiang, C. n., Xu, J. n., Zhao, M. T., Van Bortle, K. n., Cheng, X. n., Wang, G. n., Chang, H. Y., Wu, J. C., Snyder, M. P.
2017; 121 (4): 376–91
- **Comparison of Non-Coding RNAs in Exosomes and Functional Efficacy of Human Embryonic Stem Cell- Versus Induced Pluripotent Stem Cell-Derived Cardiomyocytes.** *Stem cells (Dayton, Ohio)*
Lee, W. H., Chen, W. n., Shao, N. Y., Xiao, D. n., Qin, X. n., Baker, N. n., Bae, H. R., Shukla, P. n., Wu, H. n., Kodo, K. n., Ong, S. G., Wu, J. C.
2017
 - **Anisotropic microfibrinous scaffolds enhance the organization and function of cardiomyocytes derived from induced pluripotent stem cells.** *Biomaterials science*
Wanjare, M. n., Hou, L. n., Nakayama, K. H., Kim, J. J., Mezak, N. P., Abilez, O. J., Tzatzalos, E. n., Wu, J. C., Huang, N. F.
2017; 5 (8): 1567–78
 - **Navigating the Future of Cardiovascular Drug Development-Leveraging Novel Approaches to Drive Innovation and Drug Discovery: Summary of Findings from the Novel Cardiovascular Therapeutics Conference.** *Cardiovascular drugs and therapy*
Povsic, T. J., Scott, R. n., Mahaffey, K. W., Blaustein, R. n., Edelberg, J. M., Lefkowitz, M. P., Solomon, S. D., Fox, J. C., Healy, K. E., Khakoo, A. Y., Losordo, D. W., Malik, F. I., Monia, et al
2017; 31 (4): 445–58
 - **Fast two-photon imaging of subcellular voltage dynamics in neuronal tissue with genetically encoded indicators.** *eLife*
Chamberland, S. n., Yang, H. H., Pan, M. M., Evans, S. W., Guan, S. n., Chavarha, M. n., Yang, Y. n., Salesse, C. n., Wu, H. n., Wu, J. C., Clandinin, T. R., Toth, K. n., Lin, et al
2017; 6
 - **Alloimmune Responses of Humanized Mice to Human Pluripotent Stem Cell Therapeutics.** *Cell reports*
Kooreman, N. G., de Almeida, P. E., Stack, J. P., Nelakanti, R. V., Diecke, S. n., Shao, N. Y., Swijnenburg, R. J., Sanchez-Freire, V. n., Matsa, E. n., Liu, C. n., Connolly, A. J., Hamming, J. F., Quax, et al
2017; 20 (8): 1978–90
 - **Cell Type-Specific Chromatin Signatures Underline Regulatory DNA Elements in Human Induced Pluripotent Stem Cells and Somatic Cells.** *Circulation research*
Zhao, M. T., Shao, N. Y., Hu, S. n., Ma, N. n., Srinivasan, R. n., Jahanbani, F. n., Lee, J. n., Zhang, S. L., Snyder, M. P., Wu, J. C.
2017; 121 (11): 1237–50
 - **Passive Stretch Induces Structural and Functional Maturation of Engineered Heart Muscle as Predicted by Computational Modeling.** *Stem cells (Dayton, Ohio)*
Abilez, O. J., Tzatzalos, E. n., Yang, H. n., Zhao, M. T., Jung, G. n., Zöllner, A. M., Tiburcy, M. n., Riegler, J. n., Matsa, E. n., Shukla, P. n., Zhuge, Y. n., Chour, T. n., Chen, et al
2017
 - **GDF-15 (Growth Differentiation Factor 15) Is Associated With Lack of Ventricular Recovery and Mortality After Transcatheter Aortic Valve Replacement.** *Circulation. Cardiovascular interventions*
Kim, J. B., Kobayashi, Y. n., Moneghetti, K. J., Brenner, D. A., O'Malley, R. n., Schnittger, I. n., Wu, J. C., Murtagh, G. n., Beshiri, A. n., Fischbein, M. n., Miller, D. C., Liang, D. n., Yeung, et al
2017; 10 (12)
 - **Simply derived epicardial cells.** *Nature biomedical engineering*
Paik, D. T., Wu, J. C.
2017; 1
 - **Patient-Specific and Genome-Edited Induced Pluripotent Stem Cell-Derived Cardiomyocytes Elucidate Single-Cell Phenotype of Brugada Syndrome.** *Journal of the American College of Cardiology*
Liang, P., Sallam, K., Wu, H., Li, Y., Itzhaki, I., Garg, P., Zhang, Y., Vermglinchan, V., Lan, F., Gu, M., Gong, T., Zhuge, Y., He, et al
2016; 68 (19): 2086-2096
 - **Potential Strategies to Address the Major Clinical Barriers Facing Stem Cell Regenerative Therapy for Cardiovascular Disease: A Review.** *JAMA cardiology*
Nguyen, P. K., Neofytou, E., Rhee, J., Wu, J. C.
2016; 1 (8): 953-962
 - **Magnetic Resonance Imaging of Cardiac Strain Pattern Following Transplantation of Human Tissue Engineered Heart Muscles** *CIRCULATION-CARDIOVASCULAR IMAGING*

- Qin, X., Riegler, J., Tiburcy, M., Zhao, X., Chour, T., Ndoye, B., Michael Nguyen, M., Adams, J., Ameen, M., Denney, T. S., Yang, P. C., Patricia Nguyen, P., Zimmermann, et al
2016; 9 (11)
- **Telomere shortening and metabolic compromise underlie dystrophic cardiomyopathy.** *Proceedings of the National Academy of Sciences of the United States of America*
Chang, A. C., Ong, S., Lagory, E. L., Kraft, P. E., Giaccia, A. J., Wu, J. C., Blau, H. M.
2016
 - **Defective Signaling in the JAK-STAT Pathway Tracks with Chronic Inflammation and Cardiovascular Risk in Aging Humans.** *Cell systems*
Shen-Orr, S. S., Furman, D., Kidd, B. A., Hadad, F., Lovelace, P., Huang, Y., Rosenberg-Hasson, Y., Mackey, S., Grisar, F. A., Pickman, Y., Maecker, H. T., Chien, Y., Dekker, et al
2016; 3 (4): 374-384 e4
 - **DNA damage-associated biomarkers in studying individual sensitivity to low-dose radiation from cardiovascular imaging.** *European heart journal*
Lee, W. H., Nguyen, P. K., Fleischmann, D., Wu, J. C.
2016; 37 (40): 3075-3080
 - **Alternative approaches to generating cardiomyocytes are under development.** *Nature reviews. Cardiology*
Chen, I. Y., Matsa, E., Wu, J. C.
2016; 13 (10): 574-?
 - **Adult Stem Cell Therapy and Heart Failure, 2000 to 2016: A Systematic Review.** *JAMA cardiology*
Nguyen, P. K., Rhee, J., Wu, J. C.
2016; 1 (7): 831-841
 - **Challenging the complementarity of different metrics of left atrial function: insight from a cardiomyopathy-based study.** *European heart journal cardiovascular Imaging*
Kobayashi, Y., Moneghetti, K. J., Boralkar, K., Amsallem, M., Tuzovic, M., Liang, D., Yang, P. C., Narayan, S., Kuznetsova, T., Wu, J. C., Schnittger, I., Haddad, F.
2016
 - **Cardiac subtype characterization using all-optical action potential imaging.** *European heart journal*
Shukla, P., Wu, J. C.
2016
 - **Increased Pyruvate Dehydrogenase Kinase 4 Expression in Lung Pericytes Is Associated with Reduced Endothelial-Pericyte interactions and Small Vessel Loss in Pulmonary Arterial Hypertension** *AMERICAN JOURNAL OF PATHOLOGY*
Yuan, K., Shao, N., Hennigs, J. K., Discipulo, M., Orcholski, M. E., Shamskhov, E., Richter, A., Hu, X., Wu, J. C., Perez, V. A.
2016; 186 (9): 2500-2514
 - **Increased Pyruvate Dehydrogenase Kinase 4 Expression in Lung Pericytes Is Associated with Reduced Endothelial-Pericyte Interactions and Small Vessel Loss in Pulmonary Arterial Hypertension.** *American journal of pathology*
Yuan, K., Shao, N., Hennigs, J. K., Discipulo, M., Orcholski, M. E., Shamskhov, E., Richter, A., Hu, X., Wu, J. C., de Jesus Perez, V. A.
2016; 186 (9): 2500-2514
 - **Transcriptome Profiling of Patient-Specific Human iPSC-Cardiomyocytes Predicts Individual Drug Safety and Efficacy Responses In Vitro.** *Cell stem cell*
Matsa, E., Burrige, P. W., Yu, K., Ahrens, J. H., Termglinchan, V., Wu, H., Liu, C., Shukla, P., Sayed, N., Churko, J. M., Shao, N., Woo, N. A., Chao, et al
2016; 19 (3): 311-325
 - **21st Century Cardio-Oncology: Identifying Cardiac Safety Signals in the Era of Personalized Medicine.** *JACC. Basic to translational science*
Sheng, C. C., Amiri-Kordestani, L., Palmby, T., Force, T., Hong, C. C., Wu, J. C., Croce, K., Kim, G., Moslehi, J.
2016; 1 (5): 386-398
 - **Allogeneic Mesenchymal Stromal Cells Overexpressing Mutant Human Hypoxia-Inducible Factor 1- α (HIF1- α) in an Ovine Model of Acute Myocardial Infarction.** *Journal of the American Heart Association*
Hnatiuk, A. P., Ong, S., Olea, F. D., Locatelli, P., Riegler, J., Lee, W. H., Jen, C. H., De Lorenzi, A., Giménez, C. S., Laguens, R., Wu, J. C., Crottogini, A.
2016; 5 (7)
 - **HUMAN INDUCED PLURIPOTENT STEM CELLS AS A PLATFORM FOR PERSONALIZED AND PRECISION CARDIOVASCULAR MEDICINE** *PHYSIOLOGICAL REVIEWS*

-
- Matsa, E., Ahrens, J. H., Wu, J. C.
2016; 96 (3): 1093-1126
- **Finding Expandable Induced Cardiovascular Progenitor Cells** *CIRCULATION RESEARCH*
Chen, I. Y., Wu, J. C.
2016; 119 (1): 16-20
 - **Distilling complexity to advance cardiac tissue engineering** *SCIENCE TRANSLATIONAL MEDICINE*
Ogle, B. M., Bursac, N., Domian, I., Huang, N. F., Menasche, P., Murry, C. E., Pruitt, B., Radisic, M., Wu, J. C., Wu, S. M., Zhang, J., Zimmermann, W., Vunjak-Novakovic, et al
2016; 8 (342)
 - **Effects of cellular origin on differentiation of human induced pluripotent stem cell-derived endothelial cells.** *JCI insight*
Hu, S., Zhao, M., Jahanbani, F., Shao, N., Lee, W. H., Chen, H., Snyder, M. P., Wu, J. C.
2016; 1 (8)
 - **Induced pluripotent stem cells: at the heart of cardiovascular precision medicine** *NATURE REVIEWS CARDIOLOGY*
Chen, I. Y., Matsa, E., Wu, J. C.
2016; 13 (6): 333-349
 - **Impact and pitfalls of scaling of left ventricular and atrial structure in population-based studies** *JOURNAL OF HYPERTENSION*
Kuznetsova, T., Haddad, F., Tikhonoff, V., Kloch-Badelek, M., Ryabikov, A., Knez, J., Maljutina, S., Stolarz-Skrzypek, K., Thijs, L., Schnittger, I., Wu, J. C., Casiglia, E., Narkiewicz, et al
2016; 34 (6): 1186-1194
 - **Translation of Human-Induced Pluripotent Stem Cells From Clinical Trial in a Dish to Precision Medicine** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Sayed, N., Liu, C., Wu, J. C.
2016; 67 (18): 2161-2176
 - **Efficacy of CD34(+) Stem Cell Therapy in Nonischemic Dilated Cardiomyopathy Is Absent in Patients With Diabetes but Preserved in Patients With Insulin Resistance** *STEM CELLS TRANSLATIONAL MEDICINE*
Vrtovec, B., Sever, M., Jensterle, M., Poglajen, G., Janez, A., Kravos, N., Zemljic, G., Cukjati, M., Cernelc, P., Haddad, F., Wu, J. C., Jorde, U. P.
2016; 5 (5): 632-638
 - **Human-induced pluripotent stem cell approaches to model inborn and acquired metabolic heart diseases.** *Current opinion in cardiology*
Chanana, A. M., Rhee, J., Wu, J. C.
2016; 31 (3): 266-274
 - **Time-dependent evolution of functional vs. remodeling signaling in induced pluripotent stem cell-derived cardiomyocytes and induced maturation with biomechanical stimulation** *FASEB JOURNAL*
Jung, G., Fajardo, G., Ribeiro, A. J., Kooiker, K. B., Coronado, M., Zhao, M., Hu, D., Reddy, S., Kodo, K., Sriram, K., Insel, P. A., Wu, J. C., Pruitt, et al
2016; 30 (4): 1464-1479
 - **Systematic Characterization of Long Noncoding RNAs Reveals the Contrasting Coordination of Cis- and Trans-Molecular Regulation in Human Fetal and Adult Hearts** *CIRCULATION-CARDIOVASCULAR GENETICS*
He, C., Hu, H., Wilson, K. D., Wu, H., Feng, J., Xia, S., Churko, J., Qu, K., Chang, H. Y., Wu, J. C.
2016; 9 (2): 110-118
 - **Stem cell reprogramming: A 3D boost.** *Nature materials*
Abilez, O. J., Wu, J. C.
2016; 15 (3): 259-261
 - **Comparison of Magnetic Resonance Imaging and Serum Biomarkers for Detection of Human Pluripotent Stem Cell-Derived Teratomas** *STEM CELL REPORTS*
Riegler, J., Ebert, A., Qin, X., Shen, Q., Wang, M., Ameen, M., Kodo, K., Ong, S., Lee, W. H., Lee, G., Neofytou, E., Gold, J. D., Connolly, et al
2016; 6 (2): 176-187
 - **Control of Immune Response to Allogeneic Embryonic Stem Cells by CD3 Antibody-Mediated Operational Tolerance Induction.** *American journal of transplantation*
Calderon, D., Prot, M., You, S., Marquet, C., Bellamy, V., Bruneval, P., Valette, F., de Almeida, P., Wu, J. C., Puc at, M., Menasch e, P., Chatenoud, L.
-

2016; 16 (2): 454-467

- **Concise Review: Review and Perspective of Cell Dosage and Routes of Administration From Preclinical and Clinical Studies of Stem Cell Therapy for Heart Disease** *STEM CELLS TRANSLATIONAL MEDICINE*
Golpanian, S., Schulman, I. H., Ebert, R. F., Heldman, A. W., Difede, D. L., Yang, P. C., Wu, J. C., Bolli, R., Perin, E. C., Moye, L., Simari, R. D., Wolf, A., Hare, et al
2016; 5 (2): 186-191
- **Engineered heart tissues and induced pluripotent stem cells: Macro- and microstructures for disease modeling, drug screening, and translational studies.** *Advanced drug delivery reviews*
Tzatzalos, E., Abilez, O. J., Shukla, P., Wu, J. C.
2016; 96: 234-244
- **Engineered heart tissues and induced pluripotent stem cells: Macro- and microstructures for disease modeling, drug screening, and translational studies.** *Advanced drug delivery reviews*
Tzatzalos, E., Abilez, O. J., Shukla, P., Wu, J. C.
2016; 96: 234-244
- **Modeling Cardiovascular Diseases with Patient-Specific Human Pluripotent Stem Cell-Derived Cardiomyocytes.** *Methods in molecular biology (Clifton, N.J.)*
Burridge, P. W., Diecke, S., Matsa, E., Sharma, A., Wu, H., Wu, J. C.
2016; 1353: 119-130
- **Emerging Research Directions in Adult Congenital Heart Disease: A Report From an NHLBI/ACHA Working Group.** *Journal of the American College of Cardiology*
Gurvitz, M. n., Burns, K. M., Brindis, R. n., Broberg, C. S., Daniels, C. J., Fuller, S. M., Honein, M. A., Khairy, P. n., Kuehl, K. S., Landzberg, M. J., Mahle, W. T., Mann, D. L., Marelli, et al
2016; 67 (16): 1956-64
- **Short Hairpin RNA Silencing of PHD-2 Improves Neovascularization and Functional Outcomes in Diabetic Wounds and Ischemic Limbs.** *PLoS one*
Paik, K. J., Maan, Z. N., Zielins, E. R., Duscher, D., Whittam, A. J., Morrison, S. D., Brett, E. A., Ransom, R. C., Hu, M. S., Wu, J. C., Gurtner, G. C., Longaker, M. T., Wan, et al
2016; 11 (3)
- **Fibrosis of the Neonatal Mouse Heart After Cryoinjury Is Accompanied by Wnt Signaling Activation and Epicardial-to-Mesenchymal Transition.** *Journal of the American Heart Association*
Mizutani, M., Wu, J. C., Nusse, R.
2016; 5 (3)
- **Cytokines profile in hypertensive patients with left ventricular remodeling and dysfunction.** *Journal of the American Society of Hypertension*
Kuznetsova, T., Haddad, F., Knez, J., Rosenberg-Hasson, Y., Sung, J., Cauwenberghs, N., Thijs, L., Karakikes, I., Maecker, H., Mahaffey, K. W., Wu, J. C., Staessen, J. A.
2015; 9 (12): 975-984 e3
- **Cytokines profile in hypertensive patients with left ventricular remodeling and dysfunction** *JOURNAL OF THE AMERICAN SOCIETY OF HYPERTENSION*
Kuznetsova, T., Haddad, F., Knez, J., Rosenberg-Hasson, Y., Sung, J., Cauwenberghs, N., Thijs, L., Karakikes, I., Maecker, H., Mahaffey, K. W., Wu, J. C., Staessen, J. A.
2015; 9 (12): 975-984
- **Genetic and Epigenetic Regulation of Human Cardiac Reprogramming and Differentiation in Regenerative Medicine.** *Annual review of genetics*
Burridge, P. W., Sharma, A., Wu, J. C.
2015; 49: 461-84
- **Poorer Left Ventricular Global Longitudinal Strain and Less Tricuspid Regurgitation Predicts Improvement in Left Ventricular Function Following Transcatheter Aortic Valve Replacement**
Kim, J. B., Brenner, D., Kobayashi, Y., O'Malley, R., Kobayashi, Y., Dao, C., Thu Vu, Yeung, A., Miller, D., Fischbein, M., Wu, J. C., Haddad, F., Fearon, W. F.
ELSEVIER SCIENCE INC.2015: B263-B264
- **Chemically Defined Culture and Cardiomyocyte Differentiation of Human Pluripotent Stem Cells.** *Current protocols in human genetics*
Burridge, P. W., Holmström, A., Wu, J. C.
2015; 87: 21 3 1-15

- **Human Engineered Heart Muscles Engraft and Survive Long Term in a Rodent Myocardial Infarction Model.** *Circulation research*
Riegler, J., Tiburcy, M., Ebert, A., Tzatzalos, E., Raaz, U., Abilez, O. J., Shen, Q., Kooreman, N. G., Neofytou, E., Chen, V. C., Wang, M., Meyer, T., Tsao, et al
2015; 117 (8): 720-730
- **Tumor-Promoting Effects of Myeloid-Derived Suppressor Cells Are Potentiated by Hypoxia-Induced Expression of miR-210.** *Cancer research*
Noman, M. Z., Janji, B., Hu, S., Wu, J. C., Martelli, F., Bronte, V., Chouaib, S.
2015; 75 (18): 3771-3787
- **A Rapid, High-Quality, Cost-Effective, Comprehensive and Expandable Targeted Next-Generation Sequencing Assay for Inherited Heart Diseases.** *Circulation research*
Wilson, K. D., Shen, P., Fung, E., Karakikes, I., Zhang, A., Inanloorahatloo, K., Odegaard, J., Sallam, K., Davis, R. W., Lui, G. K., Ashley, E. A., Scharfe, C., Wu, et al
2015; 117 (7): 603-611
- **Development of a scalable suspension culture for cardiac differentiation from human pluripotent stem cells** *STEM CELL RESEARCH*
Chen, V. C., Ye, J., Shukla, P., Hua, G., Chen, D., Lin, Z., Liu, J., Chai, J., Gold, J., Wu, J., Hsu, D., Couture, L. A.
2015; 15 (2): 365-375
- **Microfluidic Single-Cell Analysis of Transplanted Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes After Acute Myocardial Infarction.** *Circulation*
Ong, S., Huber, B. C., Lee, W. H., Kodo, K., Ebert, A. D., Ma, Y., Nguyen, P. K., Diecke, S., Chen, W., Wu, J. C.
2015; 132 (8): 762-771
- **Large Animal Models of Ischemic Cardiomyopathy: Are They Enough to Bridge the Translational Gap?** *Journal of nuclear cardiology*
Nguyen, P. K., Wu, J. C.
2015; 22 (4): 666-672
- **In vivo long-term serial tracking of living mesenchymal stem cells seeded on bioengineered artificial pulmonary valve scaffold in sheep**
Gyongyosi, M., Zlabinger, K., Spriersterbach, H., Balkay, L., Trencsenyi, G., Kertesz, I., Emmert, M., Ong, S. G., Wu, J. C., Hoerstrup, S., LifeValve EU Grant Consortium
OXFORD UNIV PRESS.2015: 616
- **Assessment of the Radiation Effects of Cardiac CT Angiography Using Protein and Genetic Biomarkers** *JACC-CARDIOVASCULAR IMAGING*
Nguyen, P. K., Lee, W. H., Li, Y. F., Hong, W. X., Hu, S., Chan, C., Liang, G., Nguyen, I., Ong, S., Churko, J., Wang, J., Altman, R. B., Fleischmann, et al
2015; 8 (8): 873-884
- **RNA Sequencing Analysis Detection of a Novel Pathway of Endothelial Dysfunction in Pulmonary Arterial Hypertension** *AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE*
Rhodes, C. J., Im, H., Cao, A., Hennigs, J. K., Wang, L., Sa, S., Chen, P., Nickel, N. P., Miyagawa, K., Hopper, R. K., Tojais, N. F., Li, C. G., Gu, et al
2015; 192 (3): 356-366
- **Human Induced Pluripotent Stem Cells Reveal Mitophagy as an Essential Process Against Diabetic Cardiomyopathy**
Ong, S., Lee, W., Kodo, K., Wu, H., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2015
- **Epigenetic Signatures Contribute to the Superior Endothelial Cell Identity in Human Induced Pluripotent Stem Cells Derived From Endothelial Cells**
Zhao, M., Hu, S., Srinivasan, R., Jahani, F., Shao, N., Knowles, D., Lee, W., Swigut, T., Wysocka, J., Snyder, M., Wu, J.
LIPPINCOTT WILLIAMS & WILKINS.2015
- **Epigenetic Regulation of Phosphodiesterases 2A and 3A Underlies Compromised β -Adrenergic Signaling in an iPSC Model of Dilated Cardiomyopathy.** *Cell stem cell*
Wu, H., Lee, J., Vincent, L. G., Wang, Q., Gu, M., Lan, F., Churko, J. M., Sallam, K. I., Matsa, E., Sharma, A., Gold, J. D., Engler, A. J., Xiang, et al
2015; 17 (1): 89-100
- **MicroRNA-mediated regulation of differentiation and trans-differentiation in stem cells** *ADVANCED DRUG DELIVERY REVIEWS*
Ong, S., Lee, W. H., Kodo, K., Wu, J. C.
2015; 88: 3-15
- **Manganese-Enhanced Magnetic Resonance Imaging Enables In Vivo Confirmation of Peri-Infarct Restoration Following Stem Cell Therapy in a Porcine Ischemia-Reperfusion Model.** *Journal of the American Heart Association*
Dash, R., Kim, P. J., Matsuura, Y., Ikeno, F., Metzler, S., Huang, N. F., Lyons, J. K., Nguyen, P. K., Ge, X., Foo, C. W., McConnell, M. V., Wu, J. C., Yeung, et al

2015; 4 (7)

- **Hurdles to clinical translation of human induced pluripotent stem cells** *JOURNAL OF CLINICAL INVESTIGATION*
Neofytou, E., O'Brien, C. G., Couture, L. A., Wu, J. C.
2015; 125 (7): 2551-2557
- **Immunologic Network and Response to Intramyocardial CD34(+) Stem Cell Therapy in Patients With Dilated Cardiomyopathy** *JOURNAL OF CARDIAC FAILURE*
Haddad, F., Sever, M., Poglajen, G., Lezaic, L., Yang, P., Maecker, H., Davis, M., Kuznetsova, T., Wu, J. C., Vrtovec, B.
2015; 21 (7): 572-582
- **Exosomes as potential alternatives to stem cell therapy in mediating cardiac regeneration.** *Circulation research*
Ong, S., Wu, J. C.
2015; 117 (1): 7-9
- **Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes: Insights Into Molecular, Cellular, and Functional Phenotypes.** *Circulation research*
Karakikes, I., Ameen, M., Termglinchan, V., Wu, J. C.
2015; 117 (1): 80-88
- **Finding the rhythm of sudden cardiac death: new opportunities using induced pluripotent stem cell-derived cardiomyocytes.** *Circulation research*
Sallam, K., Li, Y., Sager, P. T., Houser, S. R., Wu, J. C.
2015; 116 (12): 1989-2004
- **Right Heart Score for Predicting Outcome in Idiopathic, Familial, or Drug- and Toxin-Associated Pulmonary Arterial Hypertension.** *JACC. Cardiovascular imaging*
Haddad, F., Spruijt, O. A., Denault, A. Y., Mercier, O., Brunner, N., Furman, D., Fadel, E., Bogaard, H. J., Schnittger, I., Vrtovec, B., Wu, J. C., de Jesus Perez, V., Vonk-Noordegraaf, et al
2015; 8 (6): 627-638
- **Pravastatin reverses obesity-induced dysfunction of induced pluripotent stem cell-derived endothelial cells via a nitric oxide-dependent mechanism.** *European heart journal*
Gu, M., Mordwinkin, N. M., Kooreman, N. G., Lee, J., Wu, H., Hu, S., Churko, J. M., Diecke, S., Burrige, P. W., He, C., Barron, F. E., Ong, S., Gold, et al
2015; 36 (13): 806-816
- **Correction of human phospholamban R14del mutation associated with cardiomyopathy using targeted nucleases and combination therapy** *NATURE COMMUNICATIONS*
Karakikes, I., Stillitano, F., Nonnenmacher, M., Tzimas, C., Sanoudou, D., Termglinchan, V., Kong, C., Rushing, S., Hansen, J., Ceholski, D., Kolokathis, F., Kremastinos, D., Katoulis, et al
2015; 6
- **Improved Approach for Chondrogenic Differentiation of Human Induced Pluripotent Stem Cells** *STEM CELL REVIEWS AND REPORTS*
Nejadnik, H., Diecke, S., Lenkov, O. D., Chapelin, F., Donig, J., Tong, X., Derugin, N., Chan, R. C., Gaur, A., Yang, F., Wu, J. C., Daldrup-Link, H. E.
2015; 11 (2): 242-253
- **Engraftment of Embryonic Stem Cells and Differentiated Progeny by Host Conditioning with Total Lymphoid Irradiation and Regulatory T Cells** *CELL REPORTS*
Pan, Y., Leveson-Gower, D. B., de Almeida, P. E., Pierini, A., Baker, J., Florek, M., Nishikii, H., Kim, B., Ke, R., Wu, J. C., Negrin, R. S.
2015; 10 (11): 1793-1802
- **Engraftment of Embryonic Stem Cells and Differentiated Progeny by Host Conditioning with Total Lymphoid Irradiation and Regulatory T Cells.** *Cell reports*
Pan, Y., Leveson-Gower, D. B., de Almeida, P. E., Pierini, A., Baker, J., Florek, M., Nishikii, H., Kim, B. S., Ke, R., Wu, J. C., Negrin, R. S.
2015
- **COCATS 4 Task Force 4: Training in Multimodality Imaging.** *Journal of the American College of Cardiology*
Narula, J., Chandrashekar, Y. S., Dilsizian, V., Garcia, M. J., Kramer, C. M., Malik, S., Ryan, T., Sen, S., Wu, J. C.
2015
- **Enabling Consistency in Pluripotent Stem Cell-Derived Products for Research and Development and Clinical Applications Through Material Standards** *STEM CELLS TRANSLATIONAL MEDICINE*
French, A., Bravery, C., Smith, J., Chandra, A., Archibald, P., Gold, J. D., Artzi, N., Kim, H., Barker, R. W., Meissner, A., Wu, J. C., Knowles, J. C., Williams, et al

2015; 4 (3): 217-223

- **Variable activation of the DNA damage response pathways in patients undergoing single-photon emission computed tomography myocardial perfusion imaging.** *Circulation. Cardiovascular imaging*
Lee, W. H., Nguyen, P., Hu, S., Liang, G., Ong, S., Han, L., Sanchez-Freire, V., Lee, A. S., Vasanawala, M., Segall, G., Wu, J. C.
2015; 8 (2)
- **Variable activation of the DNA damage response pathways in patients undergoing single-photon emission computed tomography myocardial perfusion imaging.** *Circulation. Cardiovascular imaging*
Hee Lee, W., Nguyen, P., Hu, S., Liang, G., Ong, S., Han, L., Sanchez-Freire, V., Lee, A. S., Vasanawala, M., Segall, G., Wu, J. C.
2015; 8 (2): e002851
- **Intracoronary Transplantation of CD34(+) Cells Is Associated With Improved Myocardial Perfusion in Patients With Nonischemic Dilated Cardiomyopathy.** *Journal of cardiac failure*
Lezaic, L., Socan, A., Poglajen, G., Peitl, P. K., Sever, M., Cukjati, M., Cernelc, P., Wu, J. C., Haddad, F., Vrtovec, B.
2015; 21 (2): 145-152
- **Bone Marrow Characteristics Associated With Changes in Infarct Size After STEMI: A Biorepository Evaluation From the CCTRN TIME Trial.** *Circulation research*
Schutt, R. C., Trachtenberg, B. H., Cooke, J. P., Traverse, J. H., Henry, T. D., Pepine, C. J., Willerson, J. T., Perin, E. C., Ellis, S. G., Zhao, D. X., Bhatnagar, A., Johnstone, B. H., Lai, et al
2015; 116 (1): 99-107
- **Guidelines for translational research in heart failure.** *Journal of cardiovascular translational research*
Lara-Pezzi, E. n., Menasché, P. n., Trouvin, J. H., Badimón, L. n., Ioannidis, J. P., Wu, J. C., Hill, J. A., Koch, W. J., De Felice, A. F., de Waele, P. n., Steenwinckel, V. n., Hajjar, R. J., Zeiher, et al
2015; 8 (1): 3-22
- **Genetic and Epigenetic Regulation of Human Cardiac Reprogramming and Differentiation in Regenerative Medicine** *ANNUAL REVIEW OF GENETICS, VOL 49*
Burridge, P. W., Sharma, A., Wu, J. C.
2015; 49: 461-484
- **Manganese-Enhanced Magnetic Resonance Imaging Enables In Vivo Confirmation of Peri-Infarct Restoration Following Stem Cell Therapy in a Porcine Ischemia-Reperfusion Model.** *Journal of the American Heart Association*
Dash, R., Kim, P. J., Matsuura, Y., Ikeno, F., Metzler, S., Huang, N. F., Lyons, J. K., Nguyen, P. K., Ge, X., Wong Po Foo, C., McConnell, M. V., Wu, J. C., Yeung, et al
2015; 4 (7)
- **Lift NIH restrictions on chimera research.** *Science (New York, N.Y.)*
Sharma, A. n., Sebastiano, V. n., Scott, C. T., Magnus, D. n., Koyano-Nakagawa, N. n., Garry, D. J., Witte, O. N., Nakauchi, H. n., Wu, J. C., Weissman, I. L., Wu, S. M.
2015; 350 (6261): 640
- **Reprogramming and transdifferentiation for cardiovascular development and regenerative medicine: where do we stand?** *EMBO molecular medicine*
Ebert, A. D., Diecke, S., Chen, I. Y., Wu, J. C.
2015; 7 (9): 1090-1103
- **Matrigel Mattress: A Method for the Generation of Single Contracting Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes.** *Circulation research*
Feaster, T. K., Cadar, A. G., Wang, L. n., Williams, C. H., Chun, Y. W., Hempel, J. n., Bloodworth, N. n., Merryman, W. D., Lim, C. C., Wu, J. C., Knollmann, B. C., Hong, C. C.
2015
- **Generation of iPSCs as a Pooled Culture Using Magnetic Activated Cell Sorting of Newly Reprogrammed Cells.** *PloS one*
Yang, W., Liu, Y., Slovik, K. J., Wu, J. C., Duncan, S. A., Rader, D. J., Morrissey, E. E.
2015; 10 (8)
- **Human induced pluripotent stem cell (hiPSC) derived cardiomyocytes to understand and test cardiac calcium handling: A glass half full.** *Journal of molecular and cellular cardiology*
Hwang, H. S., Kryshal, D. O., Feaster, T. K., Sánchez-Freire, V. n., Zhang, J. n., Kamp, T. J., Hong, C. C., Wu, J. C., Knollmann, B. C.
2015; 89 (Pt B): 379-80

- **Novel codon-optimized mini-intronic plasmid for efficient, inexpensive, and xeno-free induction of pluripotency.** *Scientific reports*
Diecke, S., Lu, J., Lee, J., Termglinchan, V., Kooreman, N. G., Burrridge, P. W., Ebert, A. D., Churko, J. M., Sharma, A., Kay, M. A., Wu, J. C.
2015; 5: 8081-?
- **American Journal of Nuclear Medicine and Molecular Imaging: Editorial Board (2015) e-Century Publishing Corporation.** *American journal of nuclear medicine and molecular imaging*
Seto, B., Jacobs, P. M., Mach, R. H., Bulte, J. W., Cai, W., Hong, H., Alavi, A., Wu, J. C.
2015; 5 (2): 212-219
- **Extracellular Matrix can Recover the Downregulation of Adhesion Molecules after Cell Detachment and Enhance Endothelial Cell Engraftment.** *Scientific reports*
He, N., Xu, Y., Du, W., Qi, X., Liang, L., Wang, Y., Feng, G., Fan, Y., Han, Z., Kong, D., Cheng, Z., Wu, J. C., He, et al
2015; 5: 10902-?
- **Comparable calcium handling of human iPSC-derived cardiomyocytes generated by multiple laboratories.** *Journal of molecular and cellular cardiology*
Hwang, H. S., Kryshal, D. O., Feaster, T. K., Sánchez-Freire, V. n., Zhang, J. n., Kamp, T. J., Hong, C. C., Wu, J. C., Knollmann, B. C.
2015; 85: 79-88
- **Correction of human phospholamban R14del mutation associated with cardiomyopathy using targeted nucleases and combination therapy.** *Nature communications*
Karakikes, I., Stillitano, F., Nonnenmacher, M., Tzimas, C., Sanoudou, D., Termglinchan, V., Kong, C., Rushing, S., Hansen, J., Ceholski, D., Kolokathis, F., Kremastinos, D., Katoulis, et al
2015; 6: 6955-?
- **Novel codon-optimized mini-intronic plasmid for efficient, inexpensive, and xeno-free induction of pluripotency.** *Scientific reports*
Diecke, S., Lu, J., Lee, J., Termglinchan, V., Kooreman, N. G., Burrridge, P. W., Ebert, A. D., Churko, J. M., Sharma, A., Kay, M. A., Wu, J. C.
2015; 5: 8081-?
- **Teratoma formation: a tool for monitoring pluripotency in stem cell research.** *Current protocols in stem cell biology*
Nelakanti, R. V., Kooreman, N. G., Wu, J. C.
2015; 32: 4A 8 1-4A 8 17
- **[Pyr-1]-Apelin-13 delivery via nano-liposomal encapsulation attenuates pressure overload-induced cardiac dysfunction** *BIOMATERIALS*
Serpooshan, V., Sivanesan, S., Huang, X., Mahmoudi, M., Malkovskiy, A. V., Zhao, M., Inayathullah, M., Wagh, D., Zhang, X. J., Metzler, S., Bernstein, D., Wu, J. C., Ruiz-Lozano, et al
2015; 37: 289-298
- **The Presence of Electromechanical Mismatch In Nonischemic Dilated Cardiomyopathy Is Associated With Ventricular Repolarization Instability** *JOURNAL OF CARDIAC FAILURE*
Mikuz, U., Poglajen, G., Fister, M., Starc, V., Wu, J. C., Hsia, H., Haddad, F., Vrtovec, B.
2014; 20 (12): 891-898
- **VEGF-C and aortic cardiomyocytes guide coronary artery stem development** *JOURNAL OF CLINICAL INVESTIGATION*
Chen, H. I., Poduri, A., Numi, H., Kivela, R., Saharinen, P., McKay, A. S., Raftrey, B., Churko, J., Tian, X., Zhou, B., Wu, J. C., Alitalo, K., Red-Horse, et al
2014; 124 (11): 4899-4914
- **VEGF-C and aortic cardiomyocytes guide coronary artery stem development.** *The Journal of clinical investigation*
Chen, H. I., Poduri, A., Numi, H., Kivela, R., Saharinen, P., McKay, A. S., Raftrey, B., Churko, J., Tian, X., Zhou, B., Wu, J. C., Alitalo, K., Red-Horse, et al
2014
- **The effects of levosimendan on renal function early after heart transplantation: results from a pilot randomized trial** *CLINICAL TRANSPLANTATION*
Knezevic, I., Poglajen, G., Hrovat, E., Oman, A., Pintar, T., Wu, J. C., Vrtovec, B., Haddad, F.
2014; 28 (10): 1105-1111
- **Cardiac tissue slice transplantation as a model to assess tissue-engineered graft thickness, survival, and function.** *Circulation*
Riegler, J., Gillich, A., Shen, Q., Gold, J. D., Wu, J. C.
2014; 130 (11): S77-86
- **Cardiac Tissue Slice Transplantation as a Model to Assess Tissue-Engineered Graft Thickness, Survival, and Function** *CIRCULATION*
Riegler, J., Gillich, A., Shen, Q., Gold, J. D., Wu, J. C.

2014; 130 (11): S77-?

- **Cross Talk of Combined Gene and Cell Therapy in Ischemic Heart Disease Role of Exosomal MicroRNA Transfer** *CIRCULATION*
Ong, S., Lee, W. H., Huang, M., Dey, D., Kodo, K., Sanchez-Freire, V., Gold, J. D., Wu, J. C.
2014; 130 (11): S60-?
- **Cross talk of combined gene and cell therapy in ischemic heart disease: role of exosomal microRNA transfer.** *Circulation*
Ong, S., Lee, W. H., Huang, M., Dey, D., Kodo, K., Sanchez-Freire, V., Gold, J. D., Wu, J. C.
2014; 130 (11): S60-9
- **Human induced pluripotent stem cell-derived cardiomyocytes as an in vitro model for coxsackievirus B3-induced myocarditis and antiviral drug screening platform.** *Circulation research*
Sharma, A., Marceau, C., Hamaguchi, R., Burridge, P. W., Rajarajan, K., Churko, J. M., Wu, H., Sallam, K. I., Matsa, E., Sturzu, A. C., Che, Y., Ebert, A., Diecke, et al
2014; 115 (6): 556-566
- **Human induced pluripotent stem cell-derived cardiomyocytes as an in vitro model for coxsackievirus b3-induced myocarditis and antiviral drug screening platform.** *Circulation research*
Sharma, A., Marceau, C., Hamaguchi, R., Burridge, P. W., Rajarajan, K., Churko, J. M., Wu, H., Sallam, K. I., Matsa, E., Sturzu, A. C., Che, Y., Ebert, A., Diecke, et al
2014; 115 (6): 556-566
- **Genome Editing of Isogenic Human Induced Pluripotent Stem Cells Recapitulates Long QT Phenotype for Drug Testing.** *Journal of the American College of Cardiology*
Wang, Y., Liang, P., Lan, F., Wu, H., Lisowski, L., Gu, M., Hu, S., Kay, M. A., Urnov, F. D., Shinnawi, R., Gold, J. D., Gepstein, L., Wu, et al
2014; 64 (5): 451-459
- **Effect of human donor cell source on differentiation and function of cardiac induced pluripotent stem cells.** *Journal of the American College of Cardiology*
Sanchez-Freire, V., Lee, A. S., Hu, S., Abilez, O. J., Liang, P., Lan, F., Huber, B. C., Ong, S., Hong, W. X., Huang, M., Wu, J. C.
2014; 64 (5): 436-448
- **Effects of Transendocardial CD34(+) Cell Transplantation in Patients With Ischemic Cardiomyopathy** *CIRCULATION-CARDIOVASCULAR INTERVENTIONS*
Poglajen, G., Sever, M., Cukjati, M., Cernelc, P., Knezevic, I., Zemljic, G., Haddad, F., Wu, J. C., Vrtovec, B.
2014; 7 (4): 552-559
- **A human pluripotent stem cell surface N-glycoproteome resource reveals markers, extracellular epitopes, and drug targets.** *Stem cell reports*
Boheler, K. R., Bhattacharya, S., Kropp, E. M., Chuppa, S., Riordon, D. R., Bausch-Fluck, D., Burridge, P. W., Wu, J. C., Wersto, R. P., Chan, G. C., Rao, S., Wollscheid, B., Gundry, et al
2014; 3 (1): 185-203
- **Identification of a new modulator of the intercalated disc in a zebrafish model of arrhythmogenic cardiomyopathy.** *Science translational medicine*
Asimaki, A., Kapoor, S., Plovie, E., Karin Arndt, A., Adams, E., Liu, Z., James, C. A., Judge, D. P., Calkins, H., Churko, J., Wu, J. C., MacRae, C. A., Kléber, et al
2014; 6 (240): 240ra74-?
- **Identification of a new modulator of the intercalated disc in a zebrafish model of arrhythmogenic cardiomyopathy.** *Science translational medicine*
Asimaki, A., Kapoor, S., Plovie, E., Karin Arndt, A., Adams, E., Liu, Z., James, C. A., Judge, D. P., Calkins, H., Churko, J., Wu, J. C., MacRae, C. A., Kléber, et al
2014; 6 (240): 240ra74-?
- **Human Stem Cells for Modeling Heart Disease and for Drug Discovery** *SCIENCE TRANSLATIONAL MEDICINE*
Matsa, E., Burridge, P. W., Wu, J. C.
2014; 6 (239)
- **Human-induced pluripotent stem cell models of inherited cardiomyopathies.** *Current opinion in cardiology*
Karakikes, I., Termglinchan, V., Wu, J. C.
2014; 29 (3): 214-219
- **Development of a Scalable Suspension Culture for Cardiac Differentiation From Human Pluripotent Stem Cells** *17th Annual Meeting of the American-Society-of-Gene-and-Cell-Therapy (ASGCT)*
Chen, V. C., Ye, J., Hua, G., Liu, F., Chen, D., Lin, B., Chai, J., Shukla, P., Wu, J., Hsu, D., Couture, L. A.
NATURE PUBLISHING GROUP.2014: S204–S205

- **Stem Cell Imaging: From Bench to Bedside** *CELL STEM CELL*
Nguyen, P. K., Riegler, J., Wu, J. C.
2014; 14 (4): 431-444
- **Relationship between Echocardiographic and Magnetic Resonance Derived Measures of Right Ventricular Size and Function in Patients with Pulmonary Hypertension.** *Journal of the American Society of Echocardiography*
Shiran, H., Zamanian, R. T., McConnell, M. V., Liang, D. H., Dash, R., Heidary, S., Sudini, N. L., Wu, J. C., Haddad, F., Yang, P. C.
2014; 27 (4): 405-412
- **Myocardial Scar Burden and Response to Stem Cell Therapy in Heart Failure Patients**
Zemljic, G., Poglajen, G., Mikuz, U., Sever, M., Frljak, S., Mali, P., Haddad, E., Wu, J. C., Vrtovec, B.
ELSEVIER SCIENCE INC.2014: S275
- **DIABETES IMPAIRS CD34+STEM CELL MOBILIZATION IN PATIENTS WITH CHRONIC HEART FAILURE**
Poglajen, G., Sever, M., Mali, P., Haddad, F., Wu, J. C., Vrtovec, B.
ELSEVIER SCIENCE INC.2014: A863
- **MYOCARDIAL SCAR BURDEN DOES NOT PREDICT CLINICAL RESPONSE TO CD34+STEM CELL TRANSPLANTATION IN PATIENTS WITH CHRONIC HEART FAILURE**
Zemljic, G., Poglajen, G., Mikuz, U., Sever, M., Frljak, S., Mali, P., Haddad, F., Wu, J. C.
ELSEVIER SCIENCE INC.2014: A927
- **LOW DOSE RADIATION FROM CARDIAC COMPUTED TOMOGRAPHY IS ASSOCIATED WITH DNA DAMAGE AND CELLULAR DEATH**
Hong, W., Lee, W., Liang, G., Chan, C., Sanchez-Freire, V., Hu, S., Longaker, M. T., Wu, J., Nguyen, P.
ELSEVIER SCIENCE INC.2014: A1047
- **Modeling Inherited Cardiac Disorders - A Cell Is Worth a Thousand Genes** *CIRCULATION JOURNAL*
Sallam, K., Kodo, K., Wu, J. C.
2014; 78 (4): 784-794
- **Modeling inherited cardiac disorders.** *Circulation journal*
Sallam, K., Kodo, K., Wu, J. C.
2014; 78 (4): 784-794
- **Stem cells and cardiovascular drug development--reply.** *JAMA*
Mordwinkin, N. M., Lee, A. S., Wu, J. C.
2014; 311 (10): 1070-1071
- **Construction and validation of nano gold tripods for molecular imaging of living subjects.** *Journal of the American Chemical Society*
Cheng, K., Kothapalli, S., Liu, H., Koh, A. L., Jokerst, J. V., Jiang, H., Yang, M., Li, J., Levi, J., Wu, J. C., Gambhir, S. S., Cheng, Z.
2014; 136 (9): 3560-3571
- **Tracking gene and cell fate for therapeutic gain** *NATURE MATERIALS*
Kooreman, N. G., Ransohoff, J. D., Wu, J. C.
2014; 13 (2): 106-109
- **Predicting the Future With Stem Cells** *CIRCULATION*
Mohsin, S., Wu, J. C., Sussman, M. A.
2014; 129 (2): 136-138
- **Cardiac stem cell biology: glimpse of the past, present, and future.** *Circulation research*
Matsa, E., Sallam, K., Wu, J. C.
2014; 114 (1): 21-27
- **Short Hairpin RNA Gene Silencing of Prolyl Hydroxylase-2 with a Minicircle Vector Improves Neovascularization of Hindlimb Ischemia** *HUMAN GENE THERAPY*
Lijkwan, M. A., Hellingman, A. A., Bos, E. J., van der Bogt, K. E., Huang, M., Kooreman, N. G., de Vries, M. R., Peters, H. A., Robbins, R. C., Hamming, J. F., Quax, P. H., Wu, J. C.
2014; 25 (1): 41-49

- **In vivo tomographic cardiac imaging: positron emission tomography and magnetic resonance imaging** *MANUAL OF RESEARCH TECHNIQUES IN CARDIOVASCULAR MEDICINE*
Huber, B. C., Nguyen, P. K., Wu, J. C., Ardehali, H., Bolli, R., Losordo, D. W.
2014; 287–94
- **Multi-cellular interactions sustain long-term contractility of human pluripotent stem cell-derived cardiomyocytes.** *American journal of translational research*
Burrige, P. W., Metzler, S. A., Nakayama, K. H., Abilez, O. J., Simmons, C. S., Bruce, M. A., Matsuura, Y., Kim, P., Wu, J. C., Butte, M., Huang, N. F., Yang, P. C.
2014; 6 (6): 724-735
- **Rapid and Efficient Conversion of Integration-Free Human Induced Pluripotent Stem Cells to GMP-Grade Culture Conditions.** *PloS one*
Durruthy-Durruthy, J., Briggs, S. F., Awe, J., Ramathal, C. Y., Karumbayaram, S., Lee, P. C., Heidmann, J. D., Clark, A., Karakikes, I., Loh, K. M., Wu, J. C., Hoffman, A. R., Byrne, et al
2014; 9 (4)
- **Second Generation Codon Optimized Minicircle (CoMiC) for Nonviral Reprogramming of Human Adult Fibroblasts.** *Methods in molecular biology (Clifton, N.J.)*
Diecke, S., Lisowski, L., Kooreman, N. G., Wu, J. C.
2014; 1181: 1-13
- **Rapid and efficient conversion of integration-free human induced pluripotent stem cells to GMP-grade culture conditions.** *PloS one*
Durruthy-Durruthy, J., Briggs, S. F., Awe, J., Ramathal, C. Y., Karumbayaram, S., Lee, P. C., Heidmann, J. D., Clark, A., Karakikes, I., Loh, K. M., Wu, J. C., Hoffman, A. R., Byrne, et al
2014; 9 (4)
- **On-line visualization of ischemic burden during repetitive ischemia/reperfusion.** *JACC. Cardiovascular imaging*
Pavo, N. n., Emmert, M. Y., Giricz, Z. n., Varga, Z. V., Ankersmit, H. J., Maurer, G. n., Hoerstrup, S. P., Ferdinandy, P. n., Wu, J. C., Gyöngyösi, M. n.
2014; 7 (9): 956–58
- **High efficiency differentiation of human pluripotent stem cells to cardiomyocytes and characterization by flow cytometry.** *Journal of visualized experiments : JoVE*
Bhattacharya, S., Burrige, P. W., Kropp, E. M., Chuppa, S. L., Kwok, W., Wu, J. C., Boheler, K. R., Gundry, R. L.
2014: 52010-?
- **Transplanted terminally differentiated induced pluripotent stem cells are accepted by immune mechanisms similar to self-tolerance.** *Nature communications*
de Almeida, P. E., Meyer, E. H., Kooreman, N. G., Diecke, S., Dey, D., Sanchez-Freire, V., Hu, S., Ebert, A., Odegaard, J., Mordwinkin, N. M., Brouwer, T. P., Lo, D., Montoro, et al
2014; 5: 3903-?
- **Transplanted terminally differentiated induced pluripotent stem cells are accepted by immune mechanisms similar to self-tolerance.** *Nature communications*
de Almeida, P. E., Meyer, E. H., Kooreman, N. G., Diecke, S., Dey, D., Sanchez-Freire, V., Hu, S., Ebert, A., Odegaard, J., Mordwinkin, N. M., Brouwer, T. P., Lo, D., Montoro, et al
2014; 5: 3903-?
- **Induced pluripotent stem cell-derived cardiomyocytes for cardiovascular disease modeling and drug screening** *STEM CELL RESEARCH & THERAPY*
Sharma, A., Wu, J. C., Wu, S. M.
2013; 4
- **Elevated Right Ventricular Operant Diastolic Elastance Strongly Predicts Increased Risk of Mortality Following Heart Transplantation**
Rhee, J., Sudini, N. L., Pham, M., Fearon, W., Lee, D., Beygui, R. E., Montoya, J. G., Wu, J. C., Vrtovec, B., Hunt, S. A., Haddad, F.
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Induced Pluripotent Stem Cell-Derived Endothelial Cells From Diet-Induced Obesity Mice Exhibit Decreased Vascular Function in a Murine Model of Hindlimb Ischemia**
Mordwinkin, N. M., Gu, M., Kooreman, N. G., Hu, S., Churko, J. M., Diecke, S., Burrige, P. W., He, C., Lee, J., Gold, J. D., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2013
- **In Vivo Crosstalk Between Transplanted Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes and Host Myocardial Cells**

Ong, S., Huber, B. C., Ebert, A., Kodo, K., Gold, J. D., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2013

- **Human Cardiomyocytes Generated From Multiple iPS Cell Lines Exhibit Mature Calcium Handling**
Hwang, H., Kryshstal, D. O., Sanchez-Freire, V., Feaster, T. K., Zhang, J., Kamp, T. J., Hong, C. C., Wu, J. C., Knollmann, B. C.
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Effects of Transendocardial CD34+Stem Cell Transplantation in Patients With Ischemic Cardiomyopathy**
Pogljajen, G., Sever, M., Mali, P., Haddad, F., Wu, J. C., Vrtovec, B.
LIPPINCOTT WILLIAMS & WILKINS.2013
- **Patient-specific stem cells and cardiovascular drug discovery.** *JAMA-the journal of the American Medical Association*
Mordwinkin, N. M., Lee, A. S., Wu, J. C.
2013; 310 (19): 2039-2040
- **Costimulation-Adhesion Blockade is Superior to Cyclosporine A and Prednisone Immunosuppressive Therapy for Preventing Rejection of Differentiated Human Embryonic Stem Cells Following Transplantation.** *Stem cells*
Huber, B. C., Ransohoff, J. D., Ransohoff, K. J., Riegler, J., Ebert, A., Kodo, K., Gong, Y., Sanchez-Freire, V., Dey, D., Kooreman, N. G., Diecke, S., Zhang, W. Y., Odegaard, et al
2013; 31 (11): 2354-2363
- **Noninvasive imaging of hypoxia-inducible factor-1a gene therapy for myocardial ischemia.** *Human gene therapy methods*
Chen, I. Y., Gheysens, O., Li, Z., Rasooly, J. A., Wang, Q., Paulmurugan, R., Rosenberg, J., Rodriguez-Porcel, M., Willmann, J. K., Wang, D. S., Contag, C. H., Robbins, R. C., Wu, et al
2013; 24 (5): 279-288
- **Imaging cardiac stem cell transplantation using radionuclide labeling techniques: clinical applications and future directions.** *Methodist DeBakey cardiovascular journal*
Lezaic, L., Haddad, F., Vrtovec, B., Wu, J. C.
2013; 9 (4): 218-222
- **CD34(+) Stem Cell Therapy in Nonischemic Dilated Cardiomyopathy Patients.** *Clinical pharmacology & therapeutics*
Vrtovec, B., Pogljajen, G., Sever, M., Lezaic, L., Socan, A., Haddad, F., Wu, J. C.
2013; 94 (4): 452-458
- **Noninvasive imaging of hypoxia-inducible factor-1a gene therapy for myocardial ischemia.** *Human gene therapy methods*
Chen, I. Y., Gheysens, O., Li, Z., Rasooly, J. A., Wang, Q., Paulmurugan, R., Rosenberg, J., Rodriguez-Porcel, M., Willmann, J. K., Wang, D. S., Contag, C. H., Robbins, R. C., Wu, et al
2013; 24 (5): 279-288
- **Screening drug-induced arrhythmia [corrected] using human induced pluripotent stem cell-derived cardiomyocytes and low-impedance microelectrode arrays.** *Circulation*
Navarrete, E. G., Liang, P., Lan, F., Sanchez-Freire, V., Simmons, C., Gong, T., Sharma, A., Burridge, P. W., Patlolla, B., Lee, A. S., Wu, H., Beygui, R. E., Wu, et al
2013; 128 (11): S3-13
- **Screening drug-induced arrhythmia events using human induced pluripotent stem cell-derived cardiomyocytes and low-impedance microelectrode arrays.** *Circulation*
Navarrete, E. G., Liang, P., Lan, F., Sanchez-Freire, V., Simmons, C., Gong, T., Sharma, A., Burridge, P. W., Patlolla, B., Lee, A. S., Wu, H., Beygui, R. E., Wu, et al
2013; 128 (11): S3-13
- **Comparison of transendocardial and intracoronary CD34+ cell transplantation in patients with nonischemic dilated cardiomyopathy.** *Circulation*
Vrtovec, B., Pogljajen, G., Lezaic, L., Sever, M., Socan, A., Domanovic, D., Cernelc, P., Torre-Amione, G., Haddad, F., Wu, J. C.
2013; 128 (11): S42-9
- **Development of Poly(β -amino ester)-Based Biodegradable Nanoparticles for Nonviral Delivery of Minicircle DNA.** *ACS nano*
Keeney, M., Ong, S., Padilla, A., Yao, Z., Goodman, S., Wu, J. C., Yang, F.
2013; 7 (8): 7241-7250
- **Cortical bone-derived stem cells: a novel class of cells for myocardial protection.** *Circulation research*

- Ong, S., Wu, J. C.
2013; 113 (5): 480-483
- **Global Epigenomic Reconfiguration During Mammalian Brain Development** *SCIENCE*
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; 341 (6146): 629-?
 - **Molecular imaging: The key to advancing cardiac stem cell therapy** *TRENDS IN CARDIOVASCULAR MEDICINE*
Chen, I. Y., Wu, J. C.
2013; 23 (6): 201-210
 - **Tumorigenicity as a clinical hurdle for pluripotent stem cell therapies.** *Nature medicine*
Lee, A. S., Tang, C., Rao, M. S., Weissman, I. L., Wu, J. C.
2013; 19 (8): 998-1004
 - **Clonal precursor of bone, cartilage, and hematopoietic niche stromal cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Chan, C. K., Lindau, P., Jiang, W., Chen, J. Y., Zhang, L. F., Chen, C., Seita, J., Sahoo, D., Kim, J., Lee, A., Park, S., Nag, D., Gong, et al
2013; 110 (31): 12643-12648
 - **Ex vivo acidic preconditioning enhances bone marrow ckit cell therapeutic potential via increased CXCR4 expression** *EUROPEAN HEART JOURNAL*
Cencioni, C., Melchionna, R., Straino, S., Romani, M., Cappuzzello, C., Annese, V., Wu, J. C., Pompilio, G., Santoni, A., Gaetano, C., Napolitano, M., Capogrossi, M. C.
2013; 34 (26): 2007-16
 - **The Role of SIRT6 Protein in Aging and Reprogramming of Human Induced Pluripotent Stem Cells.** *journal of biological chemistry*
Sharma, A., Diecke, S., Zhang, W. Y., Lan, F., He, C., Mordwinkin, N. M., Chua, K. F., Wu, J. C.
2013; 288 (25): 18439-18447
 - **Overview of high throughput sequencing technologies to elucidate molecular pathways in cardiovascular diseases.** *Circulation research*
Churko, J. M., Mantalas, G. L., Snyder, M. P., Wu, J. C.
2013; 112 (12): 1613-1623
 - **Stem cell isolation: Differential stickiness.** *Nature materials*
Abilez, O. J., Wu, J. C.
2013; 12 (6): 474-476
 - **Dissecting the molecular relationship among various cardiogenic progenitor cells.** *Circulation research*
Dey, D., Han, L., Bauer, M., Sanada, F., Oikonomopoulos, A., Hosoda, T., Unno, K., de Almeida, P., Leri, A., Wu, J. C.
2013; 112 (9): 1253-1262
 - **Drug screening using a library of human induced pluripotent stem cell-derived cardiomyocytes reveals disease-specific patterns of cardiotoxicity.** *Circulation*
Liang, P., Lan, F., Lee, A. S., Gong, T., Sanchez-Freire, V., Wang, Y., Diecke, S., Sallam, K., Knowles, J. W., Wang, P. J., Nguyen, P. K., Bers, D. M., Robbins, et al
2013; 127 (16): 1677-1691
 - **Drug screening using a library of human induced pluripotent stem cell-derived cardiomyocytes reveals disease-specific patterns of cardiotoxicity.** *Circulation*
Liang, P., Lan, F., Lee, A. S., Gong, T., Sanchez-Freire, V., Wang, Y., Diecke, S., Sallam, K., Knowles, J. W., Wang, P. J., Nguyen, P. K., Bers, D. M., Robbins, et al
2013; 127 (16): 1677-1691
 - **Clinical and Echocardiographic Presentation of Rejection Episodes Following Heart Transplantation** *33rd Annual Meeting and Scientific Sessions of the International-Society-for-Heart-and-Lung-Transplantation*
Sudini, N. L., Huo, J., Pan, S., Montoya, J., Leon, S., Vu, T., Beygui, R. E., Vrtovec, B., Wu, J. C., Pham, M., KUSH, K., Berry, G., Hunt, et al
ELSEVIER SCIENCE INC.2013: S254-S254
 - **Clinical Effects of CD34+Cell Transplantation in Non-Ischemic Dilated Cardiomyopathy Correlate with Myocardial Cell Engraftment**
Vrtovec, B., Poglajen, G., Lezaic, L., Sever, M., Haddad, F., Wu, J. C.

ELSEVIER SCIENCE INC.2013: S96

- **SUSTAINED RESTORATION OF LV FUNCTION IN A PORCINE ISCHEMIA-REPERFUSION INJURY MODEL USING HUMAN PLACENTAL MESENCHYMAL STEM CELLS AND MANGANESE-ENHANCED MRI** *62nd Annual Scientific Session of the American-College-of-Cardiology*
Dash, R., Kim, P., Matsuura, Y., Ikeno, F., Lyons, J., Ge, X., Metzler, S., Huang, N., Nguyen, P., Wu, J. C., Cooke, J., Luiz-Rozano, P., Robbins, et al
ELSEVIER SCIENCE INC.2013: E1142–E1142
- **Enhanced A beta(1-40) Production in Endothelial Cells Stimulated with Fibrillar A beta(1-42)** *PLOS ONE*
Rajadas, J., Sun, W., Li, H., Inayathullah, M., Cereghetti, D., Tan, A., Coelho, V. d., Chrest, F. J., Kusiak, J. W., Smith, W. W., Taub, D., Wu, J. C., Rifkind, et al
2013; 8 (3)
- **Effective Delivery of Stem Cells Using an Extracellular Matrix Patch Results in Increased Cell Survival and Proliferation and Reduced Scarring in Skin Wound Healing** *TISSUE ENGINEERING PART A*
Lam, M. T., Nauta, A., Meyer, N. P., Wu, J. C., Longaker, M. T.
2013; 19 (5-6): 738-747
- **MicroRNA-302 Increases Reprogramming Efficiency via Repression of NR2F2** *STEM CELLS*
Hu, S., Wilson, K. D., Ghosh, Z., Han, L., Wang, Y., Lan, F., Ransohoff, K. J., Burridge, P., Wu, J. C.
2013; 31 (2): 259-268
- **Advances in nanotechnology for the management of coronary artery disease** *TRENDS IN CARDIOVASCULAR MEDICINE*
Rhee, J., Wu, J. C.
2013; 23 (2): 39-45
- **Sacrificial layer technique for axial force post assay of immature cardiomyocytes** *BIOMEDICAL MICRODEVICES*
Taylor, R. E., Kim, K., Sun, N., Park, S., Sim, J. Y., Fajardo, G., Bernstein, D., Wu, J. C., Pruitt, B. L.
2013; 15 (1): 171-181
- **Immunogenicity of Pluripotent Stem Cells and Their Derivatives** *CIRCULATION RESEARCH*
de Almeida, P. E., Ransohoff, J. D., Nahid, A., Wu, J. C.
2013; 112 (3): 549-561
- **A Review of Human Pluripotent Stem Cell-Derived Cardiomyocytes for High-Throughput Drug Discovery, Cardiotoxicity Screening, and Publication Standards** *JOURNAL OF CARDIOVASCULAR TRANSLATIONAL RESEARCH*
Mordwinkin, N. M., Burridge, P. W., Wu, J. C.
2013; 6 (1): 22-30
- **Effects of Intracoronary CD34(+) Stem Cell Transplantation in Nonischemic Dilated Cardiomyopathy Patients 5-Year Follow-Up** *CIRCULATION RESEARCH*
Vrtovec, B., Poglajen, G., Lezaic, L., Sever, M., Domanovic, D., Cernelc, P., Socan, A., Schrepfer, S., Torre-Amione, G., Haddad, F., Wu, J. C.
2013; 112 (1): 165-173
- **Abnormal Calcium Handling Properties Underlie Familial Hypertrophic Cardiomyopathy Pathology in Patient-Specific Induced Pluripotent Stem Cells** *CELL STEM CELL*
Lan, F., Lee, A. S., Liang, P., Sanchez-Freire, V., Nguyen, P. K., Wang, L., Han, L., Yen, M., Wang, Y., Sun, N., Abilez, O. J., Hu, S., Ebert, et al
2013; 12 (1): 101-113
- **Induced pluripotency of human prostatic epithelial cells.** *PloS one*
Zhao, H., Sun, N., Young, S. R., Nolley, R., Santos, J., Wu, J. C., Peehl, D. M.
2013; 8 (5)
- **Loss of CDKN2B Promotes p53-Dependent Smooth Muscle Cell Apoptosis and Aneurysm Formation** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
Leeper, N. J., Raiesdana, A., Kojima, Y., Kundu, R. K., Cheng, H., Maegdefessel, L., Toh, R., Ahn, G., Ali, Z. A., Anderson, D. R., Miller, C. L., Roberts, S. C., Spin, et al
2013; 33 (1): E1-?
- **Cardiovascular molecular imaging as a tool to study biology.** *Theranostics*
Rodriguez-Porcel, M., Wu, J. C.
2013; 3 (11): 914-915

- **American Journal of Nuclear Medicine and Molecular Imaging: Editorial Board (2014) e-Century Publishing Corporation.** *American journal of nuclear medicine and molecular imaging*
Seto, B., Jacobs, P. M., Mach, R. H., Bulte, J. W., Cai, W., Alavi, A., Divgi, C. R., Wu, J. C.
2013; 4 (1): 89-95
- **Imaging Neural Stem Cell Graft-Induced Structural Repair in Stroke** *CELL TRANSPLANTATION*
Daadi, M. M., Hu, S., Klausner, J., Li, Z., Sofilos, M., Sun, G., Wu, J. C., Steinberg, G. K.
2013; 22 (5): 881-892
- **Generation of Human iPSCs from Human Peripheral Blood Mononuclear Cells Using Non-integrative Sendai Virus in Chemically Defined Conditions.** *Methods in molecular biology (Clifton, N.J.)*
Churko, J. M., Burrige, P. W., Wu, J. C.
2013; 1036: 81-88
- **A transgenic tri-modality reporter mouse.** *PloS one*
Yan, X., Ray, P., Paulmurugan, R., Tong, R., Gong, Y., Sathirachinda, A., Wu, J. C., Gambhir, S. S.
2013; 8 (8)
- **MicroRNA expression profiling of human-induced pluripotent and embryonic stem cells.** *Methods in molecular biology (Clifton, N.J.)*
Sharma, A., Wu, J. C.
2013; 936: 247-256
- **Enhanced A β (1-40) production in endothelial cells stimulated with fibrillar A β (1-42).** *PloS one*
Rajadas, J., Sun, W., Li, H., Inayathullah, M., Cereghetti, D., Tan, A., de Mello Coelho, V., Chrest, F. J., Kusiak, J. W., Smith, W. W., Taub, D., Wu, J. C., Rifkind, et al
2013; 8 (3)
- **Pluripotent Stem Cells: Immune to the Immune System?** *SCIENCE TRANSLATIONAL MEDICINE*
Pearl, J. I., Kean, L. S., Davis, M. M., Wu, J. C.
2012; 4 (164)
- **In vivo directed differentiation of pluripotent stem cells for skeletal regeneration** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Levi, B., Hyun, J. S., Montoro, D. T., Lo, D. D., Chan, C. K., Hu, S., Sun, N., Lee, M., Grova, M., Connolly, A. J., Wu, J. C., Gurtner, G. C., Weissman, et al
2012; 109 (50): 20379-20384
- **Genome Editing of Human Embryonic Stem Cells and Induced Pluripotent Stem Cells With Zinc Finger Nucleases for Cellular Imaging** *CIRCULATION RESEARCH*
Wang, Y., Zhang, W. Y., Hu, S., Lan, F., Lee, A. S., Huber, B., Lisowski, L., Liang, P., Huang, M., de Almeida, P. E., Won, J. H., Sun, N., Robbins, et al
2012; 111 (12): 1494-?
- **Short-Term Costimulatory Molecule Blockade Promotes Long-Term Engraftment of Transplanted Human Embryonic Stem Derivatives and Improves Cardiac Recovery**
Huber, B. C., Ransohoff, J. D., Ransohoff, K. J., de Almeida, P. E., Gold, J. D., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2012
- **Transient, Inducible, Placenta-Specific Gene Expression in Mice** *ENDOCRINOLOGY*
Fan, X., Pettitt, M., Gamboa, M., Huang, M., Dhal, S., Druzin, M. L., Wu, J. C., Chen-Tsai, Y., Nayak, N. R.
2012; 153 (11): 5637-5644
- **Returns of the Living Dead Therapeutic Action of Irradiated and Mitotically Inactivated Embryonic Stem Cells** *CIRCULATION RESEARCH*
Gold, J. D., Wu, J. C.
2012; 111 (10): 1250-1252
- **Human Cardiac Progenitor Cells Engineered With Pim-I Kinase Enhance Myocardial Repair** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Mohsin, S., Khan, M., Toko, H., Bailey, B., Cottage, C. T., Wallach, K., Nag, D., Lee, A., Siddiqi, S., Lan, F., Fischer, K. M., Gude, N., Quijada, et al
2012; 60 (14): 1278-1287
- **Induced Pluripotent Stem Cells as a Disease Modeling and Drug Screening Platform** *JOURNAL OF CARDIOVASCULAR PHARMACOLOGY*
Ebert, A. D., Liang, P., Wu, J. C.

2012; 60 (4): 408-416

- **Pushing the Reset Button: Chemical-Induced Conversion of Amniotic Fluid Stem Cells Into a Pluripotent State** *MOLECULAR THERAPY*
Diecke, S., Wu, J. C.
2012; 20 (10): 1839-1841
- **Microfluidic Single-Cell Analysis Shows That Porcine Induced Pluripotent Stem Cell-Derived Endothelial Cells Improve Myocardial Function by Paracrine Activation** *CIRCULATION RESEARCH*
Gu, M., Nguyen, P. K., Lee, A. S., Xu, D., Hu, S., Plews, J. R., Han, L., Huber, B. C., Lee, W. H., Gong, Y., de Almeida, P. E., Lyons, J., Ikeno, et al
2012; 111 (7): 882-893
- **Safe Genetic Modification of Cardiac Stem Cells Using a Site-Specific Integration Technique** *Meeting of the American-Heart-Association*
Lan, F., Liu, J., Narsinh, K. H., Hu, S., Han, L., Lee, A. S., Karow, M., Nguyen, P. K., Nag, D., Calos, M. P., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2012: S20-?
- **Modeling Pathogenesis in Familial Hypertrophic Cardiomyopathy Using Patient-Specific Induced Pluripotent Stem Cells** *Basic Cardiovascular Sciences Scientific Session*
Lan, F., Lee, A., Liang, P., Navarrete, E., Wang, L., Leng, H., Sanchez, V., Yen, M., Wang, Y., Nguyen, P., Sun, N., Abilez, O., Lewis, et al
LIPPINCOTT WILLIAMS & WILKINS.2012
- **Biomaterial applications in cardiovascular tissue repair and regeneration.** *Expert review of cardiovascular therapy*
Lam, M. T., Wu, J. C.
2012; 10 (8): 1039-1049
- **The manipulation of natural killer cells to target tumor sites using magnetic nanoparticles** *BIOMATERIALS*
Jang, E., Shin, J., Ren, G., Park, M., Cheng, K., Chen, X., Wu, J. C., Sunwoo, J. B., Cheng, Z.
2012; 33 (22): 5584-5592
- **Early Stem Cell Engraftment Predicts Late Cardiac Functional Recovery Preclinical Insights From Molecular Imaging** *CIRCULATION-CARDIOVASCULAR IMAGING*
Liu, J., Narsinh, K. H., Lan, F., Wang, L., Nguyen, P. K., Hu, S., Lee, A., Han, L., Gong, Y., Huang, M., Nag, D., Rosenberg, J., Chouldechova, et al
2012; 5 (4): 481-490
- **Inefficient Reprogramming of Fibroblasts into Cardiomyocytes Using Gata4, Mef2c, and Tbx5** *CIRCULATION RESEARCH*
Chen, J. X., Krane, M., Deutsch, M., Wang, L., Rav-Acha, M., Gregoire, S., Engels, M. C., Rajarajan, K., Karra, R., Abel, E. D., Wu, J. C., Milan, D., Wu, et al
2012; 111 (1): 50-55
- **Large animal induced pluripotent stem cells as pre-clinical models for studying human disease** *JOURNAL OF CELLULAR AND MOLECULAR MEDICINE*
Plews, J. R., Gu, M., Longaker, M. T., Wu, J. C.
2012; 16 (6): 1196-1202
- **Atomic Force Mechanobiology of Pluripotent Stem Cell-Derived Cardiomyocytes** *PLOS ONE*
Liu, J., Sun, N., Bruce, M. A., Wu, J. C., Butte, M. J.
2012; 7 (5)
- **Dynamic microRNA expression during the transition from right ventricular hypertrophy to failure** *PHYSIOLOGICAL GENOMICS*
Reddy, S., Zhao, M., Hu, D., Fajardo, G., Hu, S., Ghosh, Z., Rajagopalan, V., Wu, J. C., Bernstein, D.
2012; 44 (10): 562-575
- **Imaging Stem Cell Therapy for the Treatment of Peripheral Arterial Disease** *CURRENT VASCULAR PHARMACOLOGY*
Ransohoff, J. D., Wu, J. C.
2012; 10 (3): 361-373
- **Patient-Specific Induced Pluripotent Stem Cells as a Model for Familial Dilated Cardiomyopathy** *SCIENCE TRANSLATIONAL MEDICINE*
Sun, N., Yazawa, M., Liu, J., Han, L., Sanchez-Freire, V., Abilez, O. J., Navarrete, E. G., Hu, S., Wang, L., Lee, A., Pavlovic, A., Lin, S., Chen, et al
2012; 4 (130)
- **Microfluidic single-cell real-time PCR for comparative analysis of gene expression patterns** *NATURE PROTOCOLS*
Sanchez-Freire, V., Ebert, A. D., Kalisky, T., Quake, S. R., Wu, J. C.
2012; 7 (5): 829-838

- **Production of De Novo Cardiomyocytes: Human Pluripotent Stem Cell Differentiation and Direct Reprogramming** *CELL STEM CELL*
Burridge, P. W., Keller, G., Gold, J. D., Wu, J. C.
2012; 10 (1): 16-28
- **In Vivo Functional and Transcriptional Profiling of Bone Marrow Stem Cells After Transplantation Into Ischemic Myocardium** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
Sheikh, A. Y., Huber, B. C., Narsinh, K. H., Spin, J. M., van der Bogt, K., de Almeida, P. E., Ransohoff, K. J., Kraft, D. L., Fajardo, G., Ardigo, D., Ransohoff, J., Bernstein, D., Fischbein, et al
2012; 32 (1): 92-102
- **Multimodality Imaging Evaluation of Functional and Clinical Benefits of Percutaneous Coronary Intervention in Patients with Chronic Total Occlusion Lesion** *THERANOSTICS*
Sun, D., Wang, J., Tian, Y., Narsinh, K., Wang, H., Li, C., Ma, X., Wang, Y., Wang, D., Li, C., Wu, J. C., Tian, J., Cao, et al
2012; 2 (8): 788-800
- **Epigenetic Modulations of Induced Pluripotent Stem Cells: Novel Therapies and Disease Models.** *Drug discovery today. Disease models*
Huang, C., Wu, J. C.
2012; 9 (4): e153-e160
- **Molecular Imaging of Stem Cells: Tracking Survival, Biodistribution, Tumorigenicity, and Immunogenicity** *THERANOSTICS*
Gu, E., Chen, W., Gu, J., Burridge, P., Wu, J. C.
2012; 2 (4): 335-345
- **American Journal of Nuclear Medicine and Molecular Imaging: Editorial Board (2012) e-Century Publishing Corporation.** *American journal of nuclear medicine and molecular imaging*
Seto, B., Jacobs, P. M., Mach, R. H., Bulte, J. W., Cai, W., Alavi, A., Divgi, C. R., Wu, J. C.
2012; 2 (4): 508-513
- **Enhancement of Human Adipose-Derived Stromal Cell Angiogenesis through Knockdown of a BMP-2 Inhibitor** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., Nelson, E. R., Hyun, J. S., Glotzbach, J. P., Li, S., Nauta, A., Montoro, D. T., Lee, M., Commons, G. C., Hu, S., Wu, J. C., Gurtner, G. C., Longaker, et al
2012; 129 (1): 53-66
- **Molecular Imaging of Bone Marrow Mononuclear Cell Survival and Homing in Murine Peripheral Artery Disease** *JACC-CARDIOVASCULAR IMAGING*
van der Bogt, K. E., Hellingman, A. A., Lijkwan, M. A., Bos, E., de Vries, M. R., van Rappard, J. R., Fischbein, M. P., Quax, P. H., Robbins, R. C., Hamming, J. F., Wu, J. C.
2012; 5 (1): 46-55
- **Endothelial progenitor cells in cardiovascular disease and chronic inflammation: from biomarker to therapeutic agent** *BIOMARKERS IN MEDICINE*
Grisar, J. C., Haddad, F., Gomari, F. A., Wu, J. C.
2011; 5 (6): 731-744
- **Non-invasive Bioluminescence Imaging of Myoblast-Mediated Hypoxia-Inducible Factor-1 Alpha Gene Transfer** *MOLECULAR IMAGING AND BIOLOGY*
Gheysens, O., Chen, I. Y., Rodriguez-Porcel, M., Chan, C., Rasooly, J., Vaerenberg, C., Paulmurugan, R., Willmann, J. K., Deroose, C., Wu, J., Gambhir, S. S.
2011; 13 (6): 1124-1132
- **Nonintegrating Knockdown and Customized Scaffold Design Enhances Human Adipose-Derived Stem Cells in Skeletal Repair** *STEM CELLS*
Levi, B., Hyun, J. S., Nelson, E. R., Li, S., Montoro, D. T., Wan, D. C., Jia, F. J., Glotzbach, J. C., James, A. W., Lee, M., Huang, M., Quarto, N., Gurtner, et al
2011; 29 (12): 2018-2029
- **Patient-Specific Induced Pluripotent Stem Cell as a Model for Familial Dilated Cardiomyopathy** *Scientific Sessions of the American-Heart-Association/ Resuscitation Science Symposium*
Sun, N., Yazawa, M., Liu, J., Han, L., Sanchez-Freire, V., Hu, S., Ricardo, D., Butte, M., Ashley, E., Longaker, M., Robbins, R., Wu, J.
LIPPINCOTT WILLIAMS & WILKINS.2011
- **Site-Specific Reporter Gene Imaging of Stem Cell Transplantation: Early Engraftment Predicts Late Improvement in Cardiac Function**
Narsinh, K. H., Lan, F., Liu, J., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2011
- **Development of Reporter Gene Techniques for Long-Term Assessment of Transplanted Human Circulating Progenitor Cells with Positron Emission Tomography** *Scientific Sessions of the American-Heart-Association/Resuscitation Science Symposium*

- Zhang, Y. (., Kuraitis, D., Burgon, P., Crowe, S., Vulesevic, B., Thorn, S., Wu, J. C., DaSilva, J. N., deKemp, R. A., Beanlands, R. S., Suuronen, E. J., Ruel, M. LIPPINCOTT WILLIAMS & WILKINS.2011
- **Site-Specific Recombinase Strategy to Create Induced Pluripotent Stem Cells Efficiently with Plasmid DNA** *STEM CELLS*
Karow, M., Chavez, C. L., Farruggio, A. P., Geisinger, J. M., Keravala, A., Jung, W. E., Lan, F., Wu, J. C., Chen-Tsai, Y., Calos, M. P.
2011; 29 (11): 1696-1704
 - **Functional Characterization and Expression Profiling of Human Induced Pluripotent Stem Cell- and Embryonic Stem Cell-Derived Endothelial Cells** *STEM CELLS AND DEVELOPMENT*
Li, Z., Hu, S., Ghosh, Z., Han, Z., Wu, J. C.
2011; 20 (10): 1701-1710
 - **Imaging Guiding the Clinical Translation of Cardiac Stem Cell Therapy** *CIRCULATION RESEARCH*
Nguyen, P. K., Lan, F., Wang, Y., Wu, J. C.
2011; 109 (8): 962-979
 - **Preclinical Derivation and Imaging of Autologously Transplanted Canine Induced Pluripotent Stem Cells** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Lee, A. S., Xu, D., Plews, J. R., Nguyen, P. K., Nag, D., Lyons, J. K., Han, L., Hu, S., Lan, F., Liu, J., Huang, M., Narsinh, K. H., Long, et al
2011; 286 (37): 32697-32704
 - **Double Knockdown of Prolyl Hydroxylase and Factor-Inhibiting Hypoxia-Inducible Factor With Nonviral Minicircle Gene Therapy Enhances Stem Cell Mobilization and Angiogenesis After Myocardial Infarction** *Annual Meeting of the American-Heart-Association*
Huang, M., Nguyen, P., Jia, F., Hu, S., Gong, Y., de Almeida, P. E., Wang, L., Nag, D., Kay, M. A., Giaccia, A. J., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2011: S46-S54
 - **Novel MicroRNA Prosurvival Cocktail for Improving Engraftment and Function of Cardiac Progenitor Cell Transplantation** *Annual Meeting of the American-Heart-Association*
Hu, S., Huang, M., Nguyen, P. K., Gong, Y., Li, Z., Jia, F., Lan, F., Liu, J., Nag, D., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2011: S27-S34
 - **An antibody against SSEA-5 glycan on human pluripotent stem cells enables removal of teratoma-forming cells** *NATURE BIOTECHNOLOGY*
Tang, C., Lee, A. S., Volkmer, J., Sahoo, D., Nag, D., Mosley, A. R., Inlay, M. A., Ardehali, R., Chavez, S. L., Pera, R. R., Behr, B., Wu, J. C., Weissman, et al
2011; 29 (9): 829-U86
 - **In vivo bioluminescence for tracking cell fate and function** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
de Almeida, P. E., van Rappard, J. R., Wu, J. C.
2011; 301 (3): H663-H671
 - **Imaging Atherosclerosis With F18-Fluorodeoxyglucose Positron Emission Tomography What Are We Actually Seeing?** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Wu, J. C., Nguyen, P. K.
2011; 58 (6): 615-617
 - **Pretreatment with angiotensin-converting enzyme inhibitor improves doxorubicin-induced cardiomyopathy via preservation of mitochondrial function** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Hiona, A., Lee, A. S., Nagendran, J., Xie, X., Connolly, A. J., Robbins, R. C., Wu, J. C.
2011; 142 (2): 396-U529
 - **Differences in Osteogenic Differentiation of Adipose-Derived Stromal Cells from Murine, Canine, and Human Sources In Vitro and In Vivo** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., Nelson, E. R., Brown, K., James, A. W., Xu, D., Dunlevie, R., Wu, J. C., Lee, M., Wu, B., Commons, G. W., Vistnes, D., Longaker, M. T.
2011; 128 (2): 373-386
 - **Imaging Cardiac Stem Cell Therapy: Translations to Human Clinical Studies** *JOURNAL OF CARDIOVASCULAR TRANSLATIONAL RESEARCH*
Zhang, W. Y., Ebert, A. D., Narula, J., Wu, J. C.
2011; 4 (4): 514-522
 - **Dissecting the Oncogenic and Tumorigenic Potential of Differentiated Human Induced Pluripotent Stem Cells and Human Embryonic Stem Cells** *CANCER RESEARCH*
Ghosh, Z., Huang, M., Hu, S., Wilson, K. D., Dey, D., Wu, J. C.
2011; 71 (14): 5030-5039

- **Efficient gene delivery of primary human cells using peptide linked polyethylenimine polymer hybrid** *BIOMATERIALS*
Dey, D., Inayathullah, M., Lee, A. S., LeMieux, M. C., Zhang, X., Wu, Y., Nag, D., De Almeida, P. E., Han, L., Rajadas, J., Wu, J. C.
2011; 32 (20): 4647-4658
- **A Novel Method of Local Gene Delivery and Noninvasive Imaging of Transgene Expression in the Mouse Endometrium** *44th Annual Meeting of the Society-for-the-Study-of-Reproduction (SSR)*
Fan, X., Dhal, S., Wu, J. C., Kuo, C. J., Druzin, M. L., Nayak, N. R.
SOC STUDY REPRODUCTION.2011
- **Report of the National Heart, Lung, and Blood Institute Working Group on the Translation of Cardiovascular Molecular Imaging** *CIRCULATION*
Buxton, D. B., Antman, M., Danthi, N., Dilsizian, V., Fayad, Z. A., Garcia, M. J., Jaff, M. R., Klimas, M., Libby, P., Nahrendorf, M., Sinusas, A. J., Wickline, S. A., Wu, et al
2011; 123 (19): 2157-2163
- **Derivation of Human Induced Pluripotent Stem Cells for Cardiovascular Disease Modeling** *CIRCULATION RESEARCH*
Narsinh, K., Narsinh, K. H., Wu, J. C.
2011; 108 (9): 1146-1156
- **Comparison of Human Induced Pluripotent and Embryonic Stem Cells: Fraternal or Identical Twins?** *MOLECULAR THERAPY*
Narsinh, K. H., Plews, J., Wu, J. C.
2011; 19 (4): 635-638
- **Short-Term Immunosuppression Promotes Engraftment of Embryonic and Induced Pluripotent Stem Cells** *CELL STEM CELL*
Pearl, J. I., Lee, A. S., Leveson-Gower, D. B., Sun, N., Ghosh, Z., Lan, F., Ransohoff, J., Negrin, R. S., Davis, M. M., Wu, J. C.
2011; 8 (3): 309-317
- **Single cell transcriptional profiling reveals heterogeneity of human induced pluripotent stem cells** *JOURNAL OF CLINICAL INVESTIGATION*
Narsinh, K. H., Sun, N., Sanchez-Freire, V., Lee, A. S., Almeida, P., Hu, S., Jan, T., Wilson, K. D., Leong, D., Rosenberg, J., Yao, M., Robbins, R. C., Wu, et al
2011; 121 (3): 1217-1221
- **Bioluminescence Reporter Gene Imaging Characterize Human Embryonic Stem Cell-Derived Teratoma Formation** *JOURNAL OF CELLULAR BIOCHEMISTRY*
Su, W., Zhou, M., Zheng, Y., Fan, Y., Wang, L., Han, Z., Kong, D., Zhao, R., Wu, J. C., Xiang, R., Li, Z.
2011; 112 (3): 840-48
- **Studies in Adipose-Derived Stromal Cells: Migration and Participation in Repair of Cranial Injury after Systemic Injection** *PLASTIC AND RECONSTRUCTIVE SURGERY*
Levi, B., James, A. W., Nelson, E. R., Hu, S., Sun, N., Peng, M., Wu, J., Longaker, M. T.
2011; 127 (3): 1130-1140
- **Human germ cell differentiation from fetal- and adult-derived induced pluripotent stem cells** *HUMAN MOLECULAR GENETICS*
Panula, S., Medrano, J. V., Kee, K., Bergstrom, R., Ha Nam Nguyen, N. N., Byers, B., Wilson, K. D., Wu, J. C., Simon, C., Hovatta, O., Pera, R. A.
2011; 20 (4): 752-762
- **Sex differences in the diagnostic evaluation of coronary artery disease** *JOURNAL OF NUCLEAR CARDIOLOGY*
Nguyen, P. K., Nag, D., Wu, J. C.
2011; 18 (1): 144-152
- **Response to Letter Regarding Article, "Dynamic MicroRNA Expression Programs During Cardiac Differentiation of Human Embryonic Stem Cells: Role for miR-499"** *CIRCULATION-CARDIOVASCULAR GENETICS*
Wilson, K. D., Wu, J. C.
2011; 4 (1): E4
- **Radiation exposure from imaging tests: is there an increased cancer risk?** *Expert review of cardiovascular therapy*
Nguyen, P. K., Wu, J. C.
2011; 9 (2): 177-183
- **Cardiovascular Molecular Imaging Focus on Clinical Translation** *CIRCULATION*
Chen, I. Y., Wu, J. C.
2011; 123 (4): 425-443

- **Elastic Properties of Induced Pluripotent Stem Cells** *TISSUE ENGINEERING PART A*
Hammerick, K. E., Huang, Z., Sun, N., Lam, M. T., Prinz, F. B., Wu, J. C., Commons, G. W., Longaker, M. T.
2011; 17 (3-4): 495-502
- **Imaging of embryonic stem cell migration in vivo.** *Methods in molecular biology (Clifton, N.J.)*
Lee, A. S., Wu, J. C.
2011; 750: 101-114
- **Enhanced Healing of Diabetic Wounds by Topical Administration of Adipose Tissue-Derived Stromal Cells Overexpressing Stromal-Derived Factor-1: Biodistribution and Engraftment Analysis by Bioluminescent Imaging** *STEM CELLS INTERNATIONAL*
Di Rocco, G., Gentile, A., Antonini, A., Ceradini, F., Wu, J. C., Capogrossi, M. C., Toietta, G.
2011
- **Launch of the american journal of nuclear medicine and molecular imaging.** *American journal of nuclear medicine and molecular imaging*
Seto, B., Jacobs, P. M., Alavi, A., Mach, R. H., Divgi, C. R., Bulte, J. W., Wu, J. C., Cai, W.
2011; 1 (1): 1-2
- **American Journal of Nuclear Medicine and Molecular Imaging: Editorial Board (2011) e-Century Publishing Corporation.** *American journal of nuclear medicine and molecular imaging*
Seto, B., Jacobs, P. M., Mach, R. H., Bulte, J. W., Cai, W., Alavi, A., Divgi, C. R., Wu, J. C.
2011; 1 (1): 80-83
- **Effects of Long-Term Culture on Human Embryonic Stem Cell Aging** *STEM CELLS AND DEVELOPMENT*
Xie, X., Hiona, A., Lee, A. S., Cao, F., Huang, M., Li, Z., Cherry, A., Pei, X., Wu, J. C.
2011; 20 (1): 127-138
- **Generation of adult human induced pluripotent stem cells using nonviral minicircle DNA vectors** *NATURE PROTOCOLS*
Narsinh, K. H., Jia, F., Robbins, R. C., Kay, M. A., Longaker, M. T., Wu, J. C.
2011; 6 (1): 78-88
- **Molecular imaging of RNA interference therapy targeting PHD2 for treatment of myocardial ischemia.** *Methods in molecular biology (Clifton, N.J.)*
Huang, M., Wu, J. C.
2011; 709: 211-221
- **Tumorigenicity of pluripotent stem cells: biological insights from molecular imaging** *JOURNAL OF THE ROYAL SOCIETY INTERFACE*
Kooreman, N. G., Wu, J. C.
2010; 7: S753-S763
- **Dynamic MicroRNA Expression Programs During Cardiac Differentiation of Human Embryonic Stem Cells Role for miR-499** *CIRCULATION-CARDIOVASCULAR GENETICS*
Wilson, K. D., Hu, S., Venkatasubrahmanyam, S., Fu, J., Sun, N., Abilez, O. J., Baugh, J. J., Jia, F., Ghosh, Z., Li, R. A., Butte, A. J., Wu, J. C.
2010; 3 (5): 426-U97
- **Methods to assess stem cell lineage, fate and function** *ADVANCED DRUG DELIVERY REVIEWS*
Nguyen, P. K., Nag, D., Wu, J. C.
2010; 62 (12): 1175-1186
- **MicroRNA-210 as a Novel Therapy for Treatment of Ischemic Heart Disease** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
Hu, S., Huang, M., Li, Z., Jia, F., Ghosh, Z., Lijkwan, M. A., Fasanaro, P., Sun, N., Wang, X., Li, F. M., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2010: S124-S131
- **The use of human mesenchymal stem cells encapsulated in RGD modified alginate microspheres in the repair of myocardial infarction in the rat** *BIOMATERIALS*
Yu, J., Du, K. T., fang, q., Gu, Y., Mihardja, S. S., Sievers, R. E., Wu, J. C., Lee, R. J.
2010; 31 (27): 7012-7020
- **Role of Molecular Imaging in Stem Cell Therapy for Myocardial Restoration** *TRENDS IN CARDIOVASCULAR MEDICINE*
Lijkwan, M. A., Bos, E. J., Wu, J. C., Robbins, R. C.
2010; 20 (6): 183-188

- **Micro-CT for Characterization of Murine CV Disease Models** *JACC-CARDIOVASCULAR IMAGING*
Sheikh, A. Y., van der Bogt, K. E., Doyle, T. C., Sheikh, M. K., Ransohoff, K. J., Ali, Z. A., Palmer, O. P., Robbins, R. C., Fischbein, M. P., Wu, J. C.
2010; 3 (7): 783-785
- **Advances in cardiovascular molecular imaging for tracking stem cell therapy** *THROMBOSIS AND HAEMOSTASIS*
Ransohoff, K. J., Wu, J. C.
2010; 104 (1): 13-22
- **Indirect imaging of cardiac-specific transgene expression using a bidirectional two-step transcriptional amplification strategy** *GENE THERAPY*
Chen, I. Y., Gheysens, O., Ray, S., Wang, Q., Padmanabhan, P., Paulmurugan, R., Loening, A. M., Rodriguez-Porcel, M., Willmann, J. K., Sheikh, A. Y., Nielsen, C. H., Hoyt, G., Contag, et al
2010; 17 (7): 827-838
- **Effects of Ionizing Radiation on Self-Renewal and Pluripotency of Human Embryonic Stem Cells** *CANCER RESEARCH*
Wilson, K. D., Sun, N., Huang, M., Zhang, W. Y., Lee, A. S., Li, Z., Wang, S. X., Wu, J. C.
2010; 70 (13): 5539-5548
- **Gene Correction in Human Embryonic and Induced Pluripotent Stem Cells: Promises and Challenges Ahead** *MOLECULAR THERAPY*
Narsinh, K. H., Wu, J. C.
2010; 18 (6): 1061-1063
- **Characterization of human embryonic stem cell immunogenicity in allogeneic humanized mice**
Swijnenburg, R., Pearl, J., Cao, F., Vogel, H., Hamming, J. F., Robbins, R. C., Wu, J. C.
JOHN WILEY & SONS LTD.2010: S8-S9
- **In vivo visualization of transplanted bone marrow mononuclear cell behavior in murine peripheral artery occlusive disease** *45th Congress of the European-Society-for-Surgical-Research*
van der Bogt, K. E., Hellingman, A. A., Lijkwan, M. A., Bos, E. J., de Vries, M. R., FISCHBEIN, M., QUAX, P. H., Robbins, R. C., Wu, J. C., Hamming, J. F.
WILEY-BLACKWELL.2010: S9-S9
- **Antioxidants Improve Early Survival of Cardiomyoblasts After Transplantation to the Myocardium** *MOLECULAR IMAGING AND BIOLOGY*
Rodriguez-Porcel, M., Gheysens, O., Paulmurugan, R., Chen, I. Y., Peterson, K. M., Willmann, J. K., Wu, J. C., Zhu, X., Lerman, L. O., Gambhir, S. S.
2010; 12 (3): 325-334
- **Current Perspectives on Imaging Cardiac Stem Cell Therapy** *JOURNAL OF NUCLEAR MEDICINE*
Wu, J. C., Abraham, M. R., Kraitchman, D. L.
2010; 51: 128S-136S
- **Embryonic Stem Cell-Derived Endothelial Cells Engraft Into the Ischemic Hindlimb and Restore Perfusion** *ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY*
Huang, N. F., Niiyama, H., Peter, C., De, A., Natkunam, Y., Fleissner, F., Li, Z., Rollins, M. D., Wu, J. C., Gambhir, S. S., Cooke, J. P.
2010; 30 (5): 984-U224
- **Rosiglitazone Increases Myocardial Glucose Metabolism in Insulin-Resistant Cardiomyopathy** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Kao, D. P., Witteles, R. M., Quon, A., Wu, J. C., Gambhir, S. S., Fowler, M. B.
2010; 55 (9): 926-927
- **Human iPS cell-based therapy Considerations before clinical applications** *CELL CYCLE*
Sun, N., Longaker, M. T., Wu, J. C.
2010; 9 (5): 880-885
- **A nonviral minicircle vector for deriving human iPS cells** *NATURE METHODS*
Jia, F., Wilson, K. D., Sun, N., Gupta, D. M., Huang, M., Li, Z., Panetta, N. J., Chen, Z. Y., Robbins, R. C., Kay, M. A., Longaker, M. T., Wu, J. C.
2010; 7 (3): 197-U46
- **Human Neural Stem Cell Grafts Modify Microglial Response and Enhance Axonal Sprouting in Neonatal Hypoxic-Ischemic Brain Injury** *STROKE*
Daadi, M. M., Davis, A. S., Arac, A., Li, Z., Maag, A., Bhatnagar, R., Jiang, K., Sun, G., Wu, J. C., Steinberg, G. K.
2010; 41 (3): 516-523

- **Comparison of Gene-Transfer Efficiency in Human Embryonic Stem Cells** *MOLECULAR IMAGING AND BIOLOGY*
Cao, F., Xie, X., Gollan, T., Zhao, L., Narsinh, K., Lee, R. J., Wu, J. C.
2010; 12 (1): 15-24
- **Persistent Donor Cell Gene Expression among Human Induced Pluripotent Stem Cells Contributes to Differences with Human Embryonic Stem Cells** *PLOS ONE*
Ghosh, Z., Wilson, K. D., Wu, Y., Hu, S., Quertermous, T., Wu, J. C.
2010; 5 (2)
- **Timing of Bone Marrow Cell Delivery Has Minimal Effects on Cell Viability and Cardiac Recovery After Myocardial Infarction** *CIRCULATION-CARDIOVASCULAR IMAGING*
Swijnenburg, R., Govaert, J. A., van der Bogt, K. E., Pearl, J. I., Huang, M., Stein, W., Hoyt, G., Vogel, H., Contag, C. H., Robbins, R. C., Wu, J. C.
2010; 3 (1): 77-U109
- **Embryonic stem cell biology: insights from molecular imaging.** *Methods in molecular biology (Clifton, N.J.)*
Sallam, K., Wu, J. C.
2010; 660: 185-199
- **Functional and Transcriptional Characterization of Human Embryonic Stem Cell-Derived Endothelial Cells for Treatment of Myocardial Infarction** *PLOS ONE*
Li, Z., Wilson, K. D., Smith, B., Kraft, D. L., Jia, F., Huang, M., Xie, X., Robbins, R. C., Gambhir, S. S., Weissman, I. L., Wu, J. C.
2009; 4 (12)
- **Current-Controlled Electrical Point-Source Stimulation of Embryonic Stem Cells** *CELLULAR AND MOLECULAR BIOENGINEERING*
Chen, M. Q., Xie, X., Wilson, K. D., Sun, N., Wu, J. C., Giovangrandi, L., Kovacs, G. T.
2009; 2 (4): 625-635
- **Embryonic Stem Cell-Derived Endothelial Cells Engraft Into the Ischemic Hindlimb and Restore Perfusion** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
Huang, N. F., Niiyama, H., Peter, C., De, A., Natkunam, Y., Fleissner, F., Li, Z., Rollins, M. D., Wu, J. C., Gambhir, S. S., Cooke, J. P.
LIPPINCOTT WILLIAMS & WILKINS.2009: S1152-S1152
- **Enhancing HIF-1 α by Double shRNA Knockdown in Murine Myocardial Infarction** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
Huang, M., Jia, F., Hu, S., Wang, X., Kay, M. A., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2009: S827-S827
- **MicroRNA-210 as a Novel Therapy for Treatment of Ischemic Heart Disease** *82nd National Conference and Exhibitions and Scientific Sessions of the American-Heart-Association*
Hu, S., Huang, M., Wang, X., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2009: S899-S899
- **Poor Functional Recovery After Transplantation of Diabetic Bone Marrow Stem Cells in Ischemic Myocardium** *JOURNAL OF HEART AND LUNG TRANSPLANTATION*
Govaert, J. A., Swijnenburg, R., Schrepfer, S., Xie, X., van der Bogt, K. E., Hoyt, G., Stein, W., Ransohoff, K. J., Robbins, R. C., Wu, J. C.
2009; 28 (11): 1158-1165
- **Hepatocyte Growth Factor or Vascular Endothelial Growth Factor Gene Transfer Maximizes Mesenchymal Stem Cell-Based Myocardial Salvage After Acute Myocardial Infarction** *81st Annual Scientific Session of the American-Heart-Association*
Deuse, T., Peter, C., Fedak, P. W., Doyle, T., Reichenspurner, H., Zimmermann, W. H., Eschenhagen, T., Stein, W., Wu, J. C., Robbins, R. C., Schrepfer, S.
LIPPINCOTT WILLIAMS & WILKINS.2009: S247-S254
- **nAChRs Mediate Human Embryonic Stem Cell-Derived Endothelial Cells: Proliferation, Apoptosis, and Angiogenesis** *PLOS ONE*
Yu, J., Huang, N. F., Wilson, K. D., Velotta, J. B., Huang, M., Li, Z., Lee, A., Robbins, R. C., Cooke, J. P., Wu, J. C.
2009; 4 (9)
- **Novel Minicircle Vector for Gene Therapy in Murine Myocardial Infarction** *81st Annual Scientific Session of the American-Heart-Association*
Huang, M., Chen, Z., Hu, S., Jia, F., Li, Z., Hoyt, G., Robbins, R. C., Kay, M. A., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2009: S230-S237

- **Feeder-free derivation of induced pluripotent stem cells from adult human adipose stem cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Sun, N., Panetta, N. J., Gupta, D. M., Wilson, K. D., Lee, A., Jia, F., Hu, S., Cherry, A. M., Robbins, R. C., Longaker, M. T., Wu, J. C.
2009; 106 (37): 15720-15725
- **Rapid and efficient feeder-free generation of human adipose stromal cell-derived induced pluripotent stem cells (hASC-iPSCs)** *95th Annual Clinical Congress of the American-College-of-Surgeons/64th Annual Sessions of the Owen H Wangenstein Forum on Fundamental Surgical Problems*
Gupta, D. M., Panetta, N. J., Sun, N., Wilson, K. D., Lee, A., Jia, F., Robbins, R. C., Longaker, M. T., Wu, J. C.
ELSEVIER SCIENCE INC.2009: S87-S87
- **Effects of cell number on teratoma formation by human embryonic stem cells** *CELL CYCLE*
Lee, A. S., Tang, C., Cao, F., Xie, X., van der Bogt, K., Hwang, A., Connolly, A. J., Robbins, R. C., Wu, J. C.
2009; 8 (16): 2608-2612
- **Imaging Gene Expression in Human Mesenchymal Stem Cells: From Small to Large Animals** *RADIOLOGY*
Willmann, J. K., Paulmurugan, R., Rodriguez-Porcel, M., Stein, W., Brinton, T. J., Connolly, A. J., Nielsen, C. H., Lutz, A. M., Lyons, J., Ikeno, F., Suzuki, Y., Rosenberg, J., Chen, et al
2009; 252 (1): 117-127
- **Molecular and Magnetic Resonance Imaging of Human Embryonic Stem Cell-Derived Neural Stem Cell Grafts in Ischemic Rat Brain** *MOLECULAR THERAPY*
Daadi, M. M., Li, Z., Arac, A., Grueter, B. A., Sofilos, M., Malenka, R. C., Wu, J. C., Steinberg, G. K.
2009; 17 (7): 1282-1291
- **MicroRNA Profiling of Human-Induced Pluripotent Stem Cells** *STEM CELLS AND DEVELOPMENT*
Wilson, K. D., Venkatasubrahmanyam, S., Jia, F., Sun, N., Butte, A. J., Wu, J. C.
2009; 18 (5): 749-757
- **Comparison of Optical Bioluminescence Reporter Gene and Superparamagnetic Iron Oxide MR Contrast Agent as Cell Markers for Noninvasive Imaging of Cardiac Cell Transplantation** *MOLECULAR IMAGING AND BIOLOGY*
Chen, I. Y., Greve, J. M., Gheysens, O., Willmann, J. K., Rodriguez-Porcel, M., Chu, P., Sheikh, A. Y., Faranesh, A. Z., Paulmurugan, R., Yang, P. C., Wu, J. C., Gambhir, S. S.
2009; 11 (3): 178-187
- **Tracking cardiac engraftment and distribution of implanted bone marrow cells: Comparing intra-aortic, intravenous, and intramyocardial delivery** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Li, S., Lai, T. Y., Sun, Z., Han, M., Moriyama, E., Wilson, B., Fazel, S., Weisel, R. D., Yau, T., Wu, J. C., Li, R.
2009; 137 (5): 1225-U216
- **Imaging Survival and Function of Transplanted Cardiac Resident Stem Cells** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Li, Z., Lee, A., Huang, M., Chun, H., Chung, J., Chu, P., Hoyt, G., Yang, P., Rosenberg, J., Robbins, R. C., Wu, J. C.
2009; 53 (14): 1229-1240
- **Noninvasive De novo Imaging of Human Embryonic Stem Cell-Derived Teratoma Formation** *CANCER RESEARCH*
Cao, F., Li, Z., Lee, A., Liu, Z., Chen, K., Wang, H., Cai, W., Chen, X., Wu, J. C.
2009; 69 (7): 2709-2713
- **Comparison of Transplantation of Adipose Tissue- and Bone Marrow-Derived Mesenchymal Stem Cells in the Infarcted Heart** *TRANSPLANTATION*
van der Bogt, K. E., Schrepfer, S., Yu, J., Sheikh, A. Y., Hoyt, G., Govaert, J. A., Velotta, J. B., Contag, C. H., Robbins, R. C., Wu, J. C.
2009; 87 (5): 642-652
- **Imaging of STAT3 Signaling Pathway During Mouse Embryonic Stem Cell Differentiation** *STEM CELLS AND DEVELOPMENT*
Xie, X., Chan, K. S., Cao, F., Huang, M., Li, Z., Lee, A., Weissman, I. L., Wu, J. C.
2009; 18 (2): 205-214
- **Transplantation of Human Embryonic Stem Cell-Derived Endothelial Cells for Vascular Diseases** *JOURNAL OF CELLULAR BIOCHEMISTRY*
Li, Z., Han, Z., Wui, J. C.
2009; 106 (2): 194-199
- **Bioluminescence reporter gene imaging of human embryonic stem cell survival, proliferation, and fate.** *Methods in molecular biology (Clifton, N.J.)*
Wilson, K. D., Huang, M., Wu, J. C.

2009; 574: 87-103

- **Rapid and efficient feeder-free generation of human adipose stromal cell-derived induced pluripotent stem cells** *13th International Congress of the International-Society-of-Craniofacial-Surgery / Paris Distraction Symposium*
Panetta, N. J., Gupta, D. M., Sun, N., Wilson, K. D., Lee, A., Jia, F., Robbins, R. C., Longaker, M. T., Wu, J. C.
MEDIMOND S R L.2009: 159–161
- **Multimodality Cardiovascular Molecular Imaging, Part II** *CIRCULATION-CARDIOVASCULAR IMAGING*
Nahrendorf, M., Sosnovik, D. E., French, B. A., Swirski, F. K., Bengel, F., Sadeghi, M. M., Lindner, J. R., Wu, J. C., Kraitchman, D. L., Fayad, Z. A., Sinusas, A. J.
2009; 2 (1): 56-70
- **Molecular imaging of human embryonic stem cells.** *Methods in molecular biology (Clifton, N.J.)*
Narsinh, K. H., Cao, F., Wu, J. C.
2009; 515: 13-32
- **Modeling Conduction in Host-Graft Interactions Between Stem Cell Grafts and Cardiomyocytes** *Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society*
Chen, M. Q., Yu, J., Whittington, R. H., Wu, J. C., Kovacs, G. T., Giovangrandi, L.
IEEE.2009: 6014–6017
- **Trafficking Mesenchymal Stem Cell Engraftment and Differentiation in Tumor-Bearing Mice by Bioluminescence Imaging** *STEM CELLS*
Wang, H., Cao, F., De, A., Cao, Y., Contag, C., Gambhir, S. S., Wu, J. C., Chen, X.
2009; 27 (7): 1548-1558
- **Long term non-invasive imaging of embryonic stem cells using reporter genes** *NATURE PROTOCOLS*
Sun, N., Lee, A., Wu, J. C.
2009; 4 (8): 1192-1201
- **In Vivo Imaging of Embryonic Stem Cells Reveals Patterns of Survival and Immune Rejection Following Transplantation** *STEM CELLS AND DEVELOPMENT*
Swijnenburg, R., Schrepfer, S., Cao, F., Pearl, J. I., Xie, X., Connolly, A. J., Robbins, R. C., Wu, J. C.
2008; 17 (6): 1023-1029
- **Molecular Imaging Antidote to Cardiac Stem Cell Controversy** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Wu, J. C.
2008; 52 (20): 1661-1664
- **Hemodynamic forces regulate embryonic stem cell commitment to vascular progenitors.** *Current cardiology reviews*
Hsiai, T. K., Wu, J. C.
2008; 4 (4): 269-274
- **Multimodality Cardiovascular Molecular Imaging, Part I** *CIRCULATION-CARDIOVASCULAR IMAGING*
Sinusas, A. J., Bengel, F., Nahrendorf, M., Epstein, F. H., Wu, J. C., Villanueva, F. S., Fayad, Z. A., Gropler, R. J.
2008; 1 (3): 244-256
- **Transcriptional and Functional Profiling of Human Embryonic Stem Cell-Derived Cardiomyocytes** *PLOS ONE*
Cao, F., Wagner, R. A., Wilson, K. D., Xie, X., Fu, J., Drukker, M., Lee, A., Li, R. A., Gambhir, S. S., Weissman, I. L., Robbins, R. C., Wu, J. C.
2008; 3 (10)
- **Multimodal evaluation of in vivo magnetic resonance imaging of myocardial restoration by mouse embryonic stem cells** *JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY*
Hendry, S. L., van der Bogt, K. E., Sheikh, A. Y., Arai, T., Dylla, S. J., Drukker, M., McConnell, M. V., Kutschka, I., Hoyt, G., Cao, F., Weissman, I. L., Connolly, A. J., Pelletier, et al
2008; 136 (4): 1028-U14
- **Short hairpin RNA interference therapy for ischemic heart disease** *80th Annual Scientific Session of the American-Heart-Association (AHA)*
Huang, M., Chan, D. A., Jia, F., Xie, X., Li, Z., Hoyt, G., Robbins, R. C., Chen, X., Giaccia, A. J., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2008: S226–U289
- **Comparison of different adult stem cell types for treatment of myocardial ischemia** *80th Annual Scientific Session of the American-Heart-Association (AHA)*

van der Bogt, K. E., Sheikh, A. Y., Schrepfer, S., Hoyt, G., Cao, F., Ransohoff, K. J., Swijnenburg, R., Pearl, J., Lee, A., Fischbein, M., Contag, C. H., Robbins, R. C., Wu, et al

LIPPINCOTT WILLIAMS & WILKINS.2008: S121-U166

- **Immunosuppressive therapy mitigates immunological rejection of human embryonic stem cell xenografts** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Swijnenburg, R., Schrepfer, S., Govaert, J. A., Cao, F., Ransohoff, K., Sheikh, A. Y., Haddad, M., Connolly, A. J., Davis, M. M., Robbins, R. C., Wu, J. C.
2008; 105 (35): 12991-12996
- **Surgically palliated double-inlet left ventricle with transposition of the great arteries mistaken for aortic aneurysm with dissection** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
Gupta, A., Fleischmann, D., Murphy, D. J., Wu, J. C.
2008; 128 (2): E82-E84
- **Noninvasive radionuclide imaging of cardiac gene therapy: progress and potential** *NATURE CLINICAL PRACTICE CARDIOVASCULAR MEDICINE*
Hiona, A., Wu, J. C.
2008; 5: S87-S95
- **Intracellular and extracellular targets of molecular imaging in the myocardium** *NATURE CLINICAL PRACTICE CARDIOVASCULAR MEDICINE*
Chun, H. J., Narula, J., Hofstra, L., Wu, J. C.
2008; 5: S33-S41
- **Transcriptome Alteration in the Diabetic Heart by Rosiglitazone: Implications for Cardiovascular Mortality** *PLOS ONE*
Wilson, K. D., Li, Z., Wagner, R., Yue, P., Tsao, P., Nestorova, G., Huang, M., Hirschberg, D. L., Yock, P. G., Quertermous, T., Wu, J. C.
2008; 3 (7)
- **Seeing is believing: tracking cells to determine the effects of cell transplantation.** *Seminars in thoracic and cardiovascular surgery*
Pearl, J., Wu, J. C.
2008; 20 (2): 102-109
- **Shear stress influences spatial variations in vascular Mn-SOD expression: implication for LDL nitration** *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*
Ai, L., Rouhanizadeh, M., Wu, J. C., Takabe, W., Yu, H., Alavi, M., Li, R., Chu, Y., Miller, J., Heistad, D. D., Hsiai, T. K.
2008; 294 (6): C1576-C1585
- **Can radionuclide imaging predict future response to stem cell therapy?** *JOURNAL OF NUCLEAR CARDIOLOGY*
Wu, J. C.
2008; 15 (3): 308-310
- **Imaging of VEGF receptor in a rat myocardial infarction model using PET** *JOURNAL OF NUCLEAR MEDICINE*
Rodriguez-Porcel, M., Cai, W., Gheysens, O., Willmann, J. K., Chen, K., Wang, H., Chen, I. Y., He, L., Wu, J. C., Li, Z., Mohamedali, K. A., Kim, S., Rosenblum, et al
2008; 49 (4): 667-673
- **Comparison of reporter gene and iron particle labeling for tracking fate of human embryonic stem cells and differentiated endothelial cells in living subjects** *STEM CELLS*
Li, Z., Suzuki, Y., Huang, M., Cao, F., Xie, X., Connolly, A. J., Yang, P. C., Wu, J. C.
2008; 26 (4): 864-873
- **Cardiac resident stem cells exhibit mesenchymal features and provide no long term benefit to cardiac function in mouse ischemic model of heart failure** *57th Annual Scientific Session of the American-College-of-Cardiology*
Li, Z., Chun, H., Xie, X., Huang, M., Hoyt, G., Chu, P., Contag, C. H., Robbins, R. C., Wu, J. C.
ELSEVIER SCIENCE INC.2008: A375-A375
- **Reporter gene imaging following percutaneous delivery in swine - Moving toward clinical applications** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Rodriguez-Porcel, M., Brinton, T. J., Chen, I. Y., Gheysens, O., Lyons, J., Ikeno, F., Willmann, J. K., Wu, L., Wu, J. C., Yeung, A. C., Yock, P., Gambhir, S. S.
2008; 51 (5): 595-597
- **In vitro and in vivo bioluminescence reporter gene imaging of human embryonic stem cells.** *Journal of visualized experiments : JoVE*
Wilson, K., Yu, J., Lee, A., Wu, J. C.

2008

- **Cardiac Differentiation of Embryonic Stem Cells with Point-Source Electrical Stimulation** *30th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society*
Chen, M. Q., Xie, X., Whittington, R. H., Kovacs, G. T., Wu, J. C., Giovangrandi, L.
IEEE.2008: 1729–1732
- **A novel platform device for rodent echocardiography.** *ILAR journal*
Kutschka, I., Sheikh, A. Y., Sista, R., Hendry, S. L., Chun, H. J., Hoyt, G., Kutschka, W., Pelletier, M. P., Quertermous, T., Wu, J. C., Robbins, R. C.
2008; 49: E1-7
- **Spatial and temporal kinetics, of teratoma formation from murine embryonic stem cell transplantation** *STEM CELLS AND DEVELOPMENT*
Cao, F., van der Bogt, K. E., Sadrzadeh, A., Xie, X., Sheikh, A. Y., Wang, H., Connolly, A. J., Robbins, R. C., Wu, J. C.
2007; 16 (6): 883-891
- **Comparison of imaging techniques for tracking cardiac stem cell therapy** *JOURNAL OF NUCLEAR MEDICINE*
Wu, J. C.
2007; 48 (12): 1916-1919
- **In vivo imaging and evaluation of different biomatrices for improvement of stem cell survival** *JOURNAL OF TISSUE ENGINEERING AND REGENERATIVE MEDICINE*
Cao, F., Rafie, A. H., Abilez, O. J., Wang, H., Blundo, J. T., Pruitt, B., Zarins, C., Wu, J. C.
2007; 1 (6): 465-468
- **Cardiac engraftment and distribution of bone marrow stem cells implanted by intravenous, intracoronary and intramyocardial injections using molecular Imaging** *80th Annual Scientific Session of the American-Heart-Association (AHA)*
Li, S., Lai, T. Y., Sun, Z., Han, M., Moriyama, E., Wilson, B., Fazel, S., Weisel, R. D., Yau, T., Wu, J. C., Li, R.
LIPPINCOTT WILLIAMS & WILKINS.2007: 397–97
- **Transplantation of bone-marrow mononuclear cells into the infarcted heart has favorable engraftment compared to mesenchymal stem cells, skeletal myoblasts and fibroblasts**
van der Bogt, K. E., Sheikh, A. Y., Schrepfer, S., Hoyt, G., Cao, F., Ransohoff, K., Contag, C. H., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2007: 397
- **Genomic profiling of bone marrow cells transplanted into the heart** *80th Annual Scientific Session of the American-Heart-Association (AHA)*
Sheikh, A. Y., Cao, F., Spin, J. M., Fajardo, G., Gambhir, S. S., Weissman, I. L., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2007: 167–67
- **Short hairpin RNA interference therapy in murine myocardial infarction** *80th Annual Scientific Session of the American-Heart-Association (AHA)*
Huang, M., Chan, D., Jia, F., Xie, X., Li, Z., Giaccia, A., Wu, J.
LIPPINCOTT WILLIAMS & WILKINS.2007: 590–90
- **Quantum dot imaging for embryonic stem cells** *BMC BIOTECHNOLOGY*
Lin, S., Xie, X., Patel, M. R., Yang, Y., Li, Z., Cao, F., Gheysens, O., Zhang, Y., Gambhir, S. S., Rao, J. H., Wu, J. C.
2007; 7
- **Differentiation, survival, and function of embryonic stem cell-derived endothelial cells for ischemic heart disease** *79th Annual Scientific Session of the American-Heart-Association*
Li, Z., Wu, J. C., Sheikh, A. Y., Kraft, D., Cao, F., Xie, X., Patel, M., Gambhir, S. S., Robbins, R. C., Cooke, J. P., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2007: I46–I54
- **Cardiovascular molecular imaging** *RADIOLOGY*
Wu, J. C., Bengel, F. M., Gambhir, S. S.
2007; 244 (2): 337-355
- **Positron emission tomography imaging of conditional gene activation in the heart** *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*
Chang, G. Y., Cao, F., Krishnan, M., Huang, M., Li, Z., Xie, X., Sheikh, A. Y., Hoyt, G., Robbins, R. C., Hsial, T., Schneider, M. D., Wu, J. C.
2007; 43 (1): 18-26
- **Integration of genomics, proteomics, and imaging for cardiac stem cell therapy** *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING*

- Chun, H. J., Wilson, K. O., Huang, M., Wu, J. C.
2007; 34: S20-S26
- **Magnetic resonance imaging of progressive cardiomyopathic changes in the db/db mouse** *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*
Yue, P., Arai, T., Terashima, M., Sheikh, A. Y., Cao, F., Charo, D., Hoyt, G., Robbins, R. C., Ashley, E. A., Wu, J., Yang, P. C., Tsao, P. S.
2007; 292 (5): H2106-H2118
 - **An unusual cause of stroke from a left atrial mass.** *Journal of the American Society of Echocardiography*
Wu, J. C., Fishbein, M. C., Child, J. S.
2007; 20 (5): 537 e1-2
 - **Molecular imaging of embryonic stem cell misbehavior and suicide gene ablation** *CLONING AND STEM CELLS*
Cao, F., Drukker, M., Lin, S., Sheikh, A. Y., Xie, X., Li, Z., Connolly, A. J., Weissman, I. L., Wu, J. C.
2007; 9 (1): 107-117
 - **Clinical hurdles for the transplantation of cardiomyocytes derived from human embryonic stem cells: role of molecular imaging** *CURRENT OPINION IN BIOTECHNOLOGY*
Swijnenburg, R., van der Bogt, K. E., Sheikh, A. Y., Cao, F., Wu, J. C.
2007; 18 (1): 38-45
 - **Clinical dilemmas in treating left ventricular thrombus.** *International journal of cardiology*
Leeper, N. J., Gupta, A., Schnittger, I., Wu, J. C.
2007; 114 (3): e118-9
 - **Genetic modification of embryonic stem cells with VEGF enhances cell survival and improves cardiac function** *CLONING AND STEM CELLS*
Xie, X., Cao, F., Sheikh, A. Y., Li, Z., Connolly, A. J., Pei, X., Li, R., Robbins, R. C., Wu, J. C.
2007; 9 (4): 549-563
 - **Endothelial progenitor cells from murine embryonic stem cells: isolation and transplantation for myocardial infarction**
Li, Z., Wu, J., Sheikh, A., Kraft, D., Cao, F., Xie, X., Patel, M., Gambhir, S., Robbins, R., Cooke, J., Wu, J.
SAGE PUBLICATIONS LTD.2007: 152-52
 - **Molecular Imaging of bone marrow mononuclear cell homing and engraftment in ischemic myocardium** *STEM CELLS*
Sheikh, A. Y., Lin, S., Cao, F., Cao, Y., van der Bogt, K. E., Chu, P., Chang, C., Contag, C. H., Robbins, R. C., Wu, J. C.
2007; 25 (10): 2677-2684
 - **Proteomic analysis of reporter genes for molecular imaging of transplanted embryonic stem cells** *PROTEOMICS*
Wu, J. C., Cao, F., Dutta, S., Xie, X., Kim, E., Chungfat, N., Gambhir, S., Mathewson, S., Connolly, A. J., Brown, M., Wang, E. W.
2006; 6 (23): 6234-6249
 - **Molecular imaging of human embryonic stem cells - Keeping an eye on differentiation, tumorigenicity and immunogenicity** *CELL CYCLE*
van der Bogt, K. E., Swijnenburg, R., Cao, F., Wu, J. C.
2006; 5 (23): 2748-2752
 - **Molecular imaging of cardiac stem cell mediated angiogenic gene therapy** *79th Annual Scientific Session of the American-Heart-Association*
Xie, X., Cao, F., Sheikh, A. Y., Li, Z., Pei, X., Gambhir, S. S., Li, R., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2006: 566-66
 - **Noninvasive imaging of bone marrow stem cell homing, survival, and proliferation in ischemic myocardium** *79th Annual Scientific Session of the American-Heart-Association*
Lin, S., Sheikh, A. Y., Cao, F., Gambhir, S. S., Robbins, R. C., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2006: 660-60
 - **Right coronary cameral fistula resulting from surgery of double chamber right ventricle.** *Journal of the American Society of Echocardiography*
Leeper, N. J., Gupta, A., Murphy, D. J., Wu, J. C.
2006; 19 (9): 1191 e9-11
 - **Murine model of ischemia reperfusion for myocardial restoration with cellular transplantation** *3rd Annual Symposium of the American-Heart-Association-Council-on-Basic-Cardiovascular-Sciences*
Hendry, S., Sheikh, A., Schrepfer, S., Pelletier, M., Wu, J., Yang, P., Robbins, R.

LIPPINCOTT WILLIAMS & WILKINS.2006: E19–E19

- **Overview of stem cells and imaging modalities for cardiovascular diseases** *JOURNAL OF NUCLEAR CARDIOLOGY*
Chang, G. Y., Xie, X., Wu, J. C.
2006; 13 (4): 554-569
- **Noninvasive evaluation of immunosuppressive drug efficacy on acute donor cell survival** *MOLECULAR IMAGING AND BIOLOGY*
Gheysens, O., Lin, S., Cao, F., Wang, D., Chen, I. Y., Rodriguez-Porcel, M., Min, J. J., Gambhir, S. S., Wu, J. C.
2006; 8 (3): 163-170
- **In vivo bioluminescence imaging of cord blood derived mesenchymal stem cell transplantation into rat myocardium** *ANNALS OF NUCLEAR MEDICINE*
Min, J. J., Ahn, Y., Moon, S., Kim, Y. S., Park, J. E., Mn, J. J., Le, U. N., Wu, J. C., Joo, S. Y., Hong, M. H., Yang, D. H., Jeong, M. H., Song, et al
2006; 20 (3): 165-170
- **Transcriptional profiling of reporter genes used for molecular imaging of embryonic stem cell transplantation** *PHYSIOLOGICAL GENOMICS*
Wu, J. C., Spin, J. M., Cao, F., Lin, S. A., Xie, X. Y., Gheysens, O., Chen, I. Y., Sheikh, A. Y., Robbins, R. C., Tsalenko, A., Gambhir, S. S., Quertermous, T.
2006; 25 (1): 29-38
- **Molecular imaging of cardiac stem cell transplantation.** *Current cardiology reports*
Sheikh, A. Y., Wu, J. C.
2006; 8 (2): 147-154
- **F-18-labeled bombesin analogs for targeting GRP receptor-expressing prostate cancer** *JOURNAL OF NUCLEAR MEDICINE*
Zhang, X., Cai, W., Cao, F., Schreiber, E., Wu, Y., Wu, J. C., Xing, L., Chen, X.
2006; 47 (3): 492-501
- **In vivo visualization of embryonic stem cell survival, proliferation, and migration after cardiac delivery** *CIRCULATION*
Cao, F., Lin, S., Xie, X. Y., Ray, P., Patel, M., Zhang, X. Z., Drukker, M., Dylla, S. J., Connolly, A. J., Chen, X. Y., Weissman, I. L., Gambhir, S. S., Wu, et al
2006; 113 (7): 1005-1014
- **Quantitative evaluation of sex mismatch cell transplantation using real-time polymerase chain reaction is efficacious for determining myocardial cell delivery efficiency** *i2 Summit 2006 on Innovation in Intervention*
Brinton, T. J., Wilson, K. D., Price, E. T., Zhang, S. X., Krishnan, M., Wu, J. C., Yeung, A. C., Yock, P. G.
ELSEVIER SCIENCE INC.2006: 42B–42B
- **Imaging chemically modified adenovirus for targeting tumors expressing integrin alpha(v)beta(3) in living mice with mutant herpes simplex virus type 1 thymidine kinase PET reporter gene** *JOURNAL OF NUCLEAR MEDICINE*
Xiong, Z. M., Cheng, Z., Zhang, X. Z., Patel, M., Wu, J. C., Gambhir, S. S., Chen, X. Y.
2006; 47 (1): 130-139
- **Effects of epigenetic modulation on reporter gene expression: implications for stem cell imaging.** *FASEB journal*
Krishnan, M., Park, J. M., Cao, F., Wang, D., Paulmurugan, R., Tseng, J. R., Gonzalgo, M. L., Gambhir, S. S., Wu, J. C.
2006; 20 (1): 106-108
- **Image-guided cardiac cell delivery using high-resolution small-animal ultrasound** *MOLECULAR THERAPY*
Rodriguez-Porcel, M., Gheysens, O., Chen, I. Y., Wu, J. C., Gambhir, S. S.
2005; 12 (6): 1142-1147
- **Human gene therapy and imaging: cardiology** *EUROPEAN JOURNAL OF NUCLEAR MEDICINE AND MOLECULAR IMAGING*
Wu, J. C., Yla-Herttuala, S.
2005; 32: S346-S357
- **Myocardial restoration with embryonic stem cell transplantation in a murine myocardial infarction model** *78th Annual Scientific Session of the American-Heart-Association*
Hendry, S. L., Arai, T., Dylla, S. J., Drukker, M., Sheikh, A. Y., Kutschka, I., Hoyt, G., Connolly, A., Pelletier, M., Wu, J. C., Yang, P. C., Robbins, R. C.
LIPPINCOTT WILLIAMS & WILKINS.2005: U37–U38
- **Tracking embryonic stem cell transplant in the heart using a novel triple fusion reporter gene** *78th Annual Scientific Session of the American-Heart-Association*
Cao, F., Lin, S., Krishnan, M., Drukker, M. E., Patel, M. R., Ray, P., Zhang, X. Z., Chen, X. Y., Gambhir, S. S., Weissman, I., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2005: U144–U145

- **Myocardial restoration with embryonic stem cell transplantation in a murine myocardial infarction model** *78th Annual Scientific Session of the American-Heart-Association*
Hendry, S. L., Arai, T., Dylla, S. J., Drukker, M., Sheikh, A. Y., Kutschka, I., Hoyt, G., Connolly, A., Pelletier, M., Wu, J. C., Yang, P. C., Robbins, R. C.
LIPPINCOTT WILLIAMS & WILKINS.2005: U432-U432
- **Effects of epigenetic modulation on reporter gene expression: implications for stem cell imaging** *FASEB JOURNAL*
Krishnan, M., Park, J. M., Cao, F., Wang, D. X., Paulmurugan, R., Tseng, J. R., Gonzalgo, M. L., Gambhir, S. S., Wu, J. C.
2005; 19 (12): 106-?
- **Common congenital heart disorders in adults** *CURRENT PROBLEMS IN CARDIOLOGY*
Wu, J. C., Child, J. S.
2004; 29 (11): 641-700
- **Molecular imaging of the kinetics of vascular endothelial growth factor gene expression in ischemic myocardium** *CIRCULATION*
Wu, J. C., Chen, I. Y., Wang, Y. L., Tseng, J. R., Chhabra, A., Salek, M., Min, J. J., Fishbein, M. C., Crystal, R., Gambhir, S. S.
2004; 110 (6): 685-691
- **Molecular imaging of cardiovascular gene products** *JOURNAL OF NUCLEAR CARDIOLOGY*
Wu, J. C., Tseng, J. R., Gambhir, S. S.
2004; 11 (4): 491-505
- **Cardiac-Specific Gene Expression Facilitated by an Enhanced Myosin Light Chain Promoter** *MOLECULAR IMAGING*
Boecker, W., Bernecker, O. Y., Wu, J. C., Zhu, X., Sawa, T., Gazette, L., Rosenzweig, A., del Monte, F., Schmidt, U., Hajjar, R. J.
2004; 3 (2): 69-75
- **Micro-positron emission tomography imaging of cardiac gene expression in rats using bicistronic adenoviral vector-mediated gene delivery** *CIRCULATION*
Chen, I. Y., Wu, J. C., Min, J. J., Sundaresan, G., Lewis, X., Liang, Q. W., Herschman, H. R., Gambhir, S. S.
2004; 109 (11): 1415-1420
- **Molecular imaging of cardiac cell transplantation in living animals using optical bioluminescence and positron emission tomography** *CIRCULATION*
Wu, J. C., Chen, I. Y., Sundaresan, G., Min, J. J., De, A., Qiao, J. H., Fishbein, M. C., Gambhir, S. S.
2003; 108 (11): 1302-1305
- **Positron-emission tomography reporter gene expression imaging in rat myocardium** *CIRCULATION*
Inubushi, M., Wu, J. C., Gambhir, S. S., Sundaresan, G., Satyamurthy, N., Namavari, M., Yee, S., Barrio, J. R., Stout, D., Chatziaoannou, A. F., Wu, L. L., Schelbert, H. R.
2003; 107 (2): 326-332
- **Positron emission tomography imaging of cardiac reporter gene expression in living rats** *CIRCULATION*
Wu, J. C., Inubushi, M., Sundaresan, G., Schelbert, H. R., Gambhir, S. S.
2002; 106 (2): 180-183
- **Optical imaging of cardiac reporter gene expression in living rats** *CIRCULATION*
Wu, J. C., Inubushi, M., Sundaresan, G., Schelbert, H. R., Gambhir, S. S.
2002; 105 (14): 1631-1634
- **Noninvasive optical imaging of firefly luciferase reporter gene expression in skeletal muscles of living mice** *MOLECULAR THERAPY*
Wu, J. C., Sundaresan, G., Iyer, M., Gambhir, S. S.
2001; 4 (4): 297-306
- **Severe regional ischemia alters coronary flow reserve in the remote perfusion area** *JOURNAL OF NUCLEAR CARDIOLOGY*
Wu, J. C., Yun, J. J., Dione, D. P., Heller, E. N., Deckelbaum, L. I., Sinusas, A. J.
2000; 7 (1): 43-52
- **Limitations of dobutamine for enhancing flow heterogeneity in the presence of single coronary stenosis: Implications for technetium-99m-sestamibi imaging** *44th Annual Scientific Session of the American-College-of-Cardiology*
Wu, J. C., Yun, J. J., Heller, E. N., Dione, D. P., DeMan, P., Liu, Y. H., Zaret, B. L., Wackers, F. J., Sinusas, A. J.
SOC NUCLEAR MEDICINE INC.1998: 417-25