

Stanford



Fumiaki Ikeno

Program Director (U.S) Japan Biodesign, Stanford Biodesign, Medicine - Med/
Cardiovascular Medicine

Bio

BIO

Program Director (U.S) Japan Biodesign, Stanford Biodesign

Researcher Cardiovascular Medicine, Stanford University

Faculty of Japan Reach, CARE (Center for Asian Health Research and Education) , Stanford University

Co-Director of Asia, SPARK Global, Stanford SPARK , Stanford University

Dr. Ikeno is a Researcher, Cardiovascular Medicine, Stanford University. In this role, he is responsible for pre clinical studies including GLP for medical devices and also regenerative medicines for cardiovascular diseases. Currently, he is devoting himself to the international regulatory project between Japan and the United States, also known as "Harmonization by Doing", whose focus is to collaborate with regulatory agencies such as FDA, PMDA/MHLW, academia and industries for improving the regulatory process in the 2 largest medtech markets. Dr. Ikeno also devoted himself to found Japan biodesign program which is a collaborative program with University of Tokyo, Osaka University, Tohoku University, Japan Federation Medical Device Association, Ministry of Education Japan and Stanford biodesign program. Currently, Dr. Ikeno serves as the Program Director (US) for Japan Biodesign. Dr. Ikeno is co-founder and board member of US-Japan MedTech Frontier which is a non-profit cooperate to make a trans-pacific eco-system of medical device between Japan and USA.

After 9 years clinical practice as an interventional cardiologist and Family Doctor in rural areas of Japan, Dr. Ikeno came to Stanford as a Researcher and completed his Biodesign Certificate Program. Being part of the ecosystem in Silicon Valley, Dr. Ikeno participated in more than 200 medtech projects and 50 GLP studies as well as in the analysis of clinical trials for cardiovascular medicine (BARI2D, FAME, ReOPEN etc). His other academic consortium projects include Peripheral Academic Research Consortium, Global Consensus Working Group of Optical Coherence Tomography, and Japan-US consensus document for the treatment of critical limb ischemia.

Over the last decade, Dr. Ikeno has served as an advisor for medical device industries and currently serves as a chief medical officer of an incubation fund specific for medtech (Medventure Partners, Inc, Tokyo) as a spin-off from Innovation Network Corporation of Japan (INCJ) that is the largest government and private partnership fund in Japan. He is also serving as a chair of cardiovascular working group of APAN (Asian Pacific Advanced Network) that contributes the remote education, research activities, and tele-health using a specialized internet network. Dr. Ikeno is also serving as consulting faculty/lecturer roles in several universities in Japan including University of Tokyo, Osaka University, Tsukuba University etc. Dr. Ikeno has authored over 70 peer reviewed publications and textbooks and has been invited to lecture at international medical conferences. Dr. Ikeno is a council member of U.S.- Japan Council which is a non-profit organization by Japanese American. He is serving as a mentor for START-X MED which is an accelerating program for Stanford related entrepreneurs in medical fields.

Contact Information

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Palo Alto, CA 94305-5406

INSTITUTE AFFILIATIONS

- Member (Staff), Cardiovascular Institute

EDUCATION AND CERTIFICATIONS

- PhD Candidate, Waseda University/Tokyo Women's Medical Collage , Biomedical Engineering (2018)
- Certificate, Stanford Biodesign, Graduate Student, Biodesign Certificate Program · Stanford, California , Medical Device (2007)
- Post Doctral Fellow, Division of Cardiovascular Medicine, School of Medicine, Stanford University , Cardiology (2004)
- M.D., Jichi Medical University, Japan , Medicine (1992)

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- Council Leader, U.S-Japan Council (2015)
- Member, The International Working Group for Intracoronary OCT Standardization And Validation (2008)
- Member, PARC (Peripheral Artery Disease Research Consortium) (2012)
- Member, Japan-US Critical Limb Ischemia Consensus Document Organizing committee (2011)
- Steering Committee member, U.S. - Japan Medical Device Harmonization by Doing (HBD) (2009)
- Board member (2012)

LINKS

- Biodesign Program: <http://biodesign.stanford.edu/bdn/index.jsp>
- The Japan Biodesign Association: <http://www.jamti.or.jp/en/>
- US-Japan MedTech Frontier: <http://www.usjmf.org>
- U.S.-Japan Council: <http://www.usjapancouncil.org>
- Nihon Ikou-Monozukuri Commons: <http://www.ikou-commons.com>
- MedVenture Partners, Inc: <http://www.medvp.co.jp/english/index.html>

Professional

PROFESSIONAL INTERESTS

Preclinical research of medical devices in cardiovascular medicine, regenerative medicine. Clinical research of cardiovascular medicine, Medical device development

WORK EXPERIENCE

- Resident - Shizuoka Municipal Hospital (April 1, 1992 - March 31, 1994)
- Clinical Fellow - Yaizu Municipal Hospital (4/1/1994 - 3/31/1997)
- Chief - Sakuma Hospital (April 1, 1997 - March 31, 2001)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Advisory Faculty, Japan Biodesign (2015 - present)
- Board Member, Japan Biodesign Association (2015 - present)
- Visiting Professor, Kinki University (2018 - present)
- Visiting Professor, Tohoku University Hospital (2018 - present)
- Visiting Lecturer, University of Tokyo, Japan (2016 - present)
- Consulting Professor, Osaka University, Japan (2015 - present)
- Advisor, Kyushu University, California Office (2011 - present)
- Visiting Professor, Tsukuba University, Japan (2016 - present)
- Visiting Professor, Hiroshima University, Japan (2016 - present)
- Visiting Professor, Kyushu Institute of Technology, Japan (2016 - present)
- Visiting Professor, Shizuoka University, Japan (2016 - present)
- Visiting Researcher, Waseda University (2017 - present)
- Visiting Lecture, Tottori University, Japan (2016 - present)

Publications

PUBLICATIONS

- **Global medical device clinical trials involving both the United States and Japan: Key considerations for development, regulatory approval, and conduct.** *Cardiovascular revascularization medicine : including molecular interventions*
Iwamoto, S., Cavanaugh, K., Malone, M., Lottes, A., Thatcher, R., Kumar, K., Rowland, S., Fearnot, N., Uchida, T., Iwaishi, C., Senshu, K., Konishi, R., Ikeda, et al
2023
- **The associations of the national health and productivity management program with corporate profits in Japan.** *Epidemiology and health*
Yano, Y., Kanegae, H., Node, K., Mizuno, A., Nishiyama, A., Rakugi, H., Itoh, H., Kitaoka, K., Kashihara, N., Ikeno, F., Tsuji, I., Okada, K.
2022: e2022080
- **Cultivating design thinking skills through the biodesign process in Japan** *BMJ INNOVATIONS*
Kiriya, H., Kakiyama, T., Maeda, Y., Sugimoto, M., Machida, M., Inoue, T., Ikeno, F., Komuro, I., Ono, M.
2022
- **Japan-USA orbital atherectomy for calcific coronary lesions: COAST study, Harmonization by Doing proof-of-concept.** *Cardiovascular revascularization medicine : including molecular interventions*
Martinsen, B. J., Kumar, K., Saito, S., Sharma, S. K., Ikeno, F., Fearnot, N. E., Shlofmitz, R. A., Thatcher, R., Krucoff, M. W.
2021
- **In Vivo Translation of the CIRPI System: Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques** *JOURNAL OF NUCLEAR MEDICINE*
Zaman, R. T., Yousefi, S., Chibana, H., Ikeno, F., Long, S. R., Gambhir, S. S., Chin, F. T., McConnell, M. V., Xing, L., Yeung, A.
2019; 60 (9): 1308–16
- **In Vivo Translation of the CIRPI System---Revealing Molecular Pathology of Rabbit Aortic Atherosclerotic Plaques.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*
Zaman, R., Yousufi, S., Chibana, H., Ikeno, F., Long, S. R., Gambhir, S. S., Chin, F. T., McConnell, M. V., Xing, L., Yeung, A.
2019
- **The East-West late lumen loss study: Comparison of angiographic late lumen loss between Eastern and Western drug-eluting stent study cohorts.** *American heart journal*
Harrison, R. W., Radhakrishnan, V., Allen, J. C., Lam, P. S., Allocco, D. J., Brar, S., Fahy, M., Zhang, Z., Fisher, R., Ikeno, F., Genereux, P., Kimura, T., Liu, et al
2018; 206: 61–71

- **Design Strategies for Global Clinical Trials of Endovascular Devices for Critical Limb Ischemia (CLI) - A Joint USA-Japanese Perspective** - *CIRCULATION JOURNAL*
Yokoi, H., Ho, M., Iwamoto, S., Suzuki, Y., Ansel, G. M., Azuma, N., Handa, N., Iida, O., Ikeda, K., Ikeno, F., Ohura, N., Rosenfield, K., Rundback, et al
2018; 82 (9): 2233–39
- **BAQALC: Blockchain Applied Lossless Efficient Transmission of DNA Sequencing Data for Next Generation Medical Informatics** *APPLIED SCIENCES-BASEL*
Lee, S., Cho, G., Ikeno, F., Lee, T.
2018; 8 (9)
- **Usability of cardiac magnetic resonance imaging for procedural myocardial infarction undergoing rotational atherectomy.** *Journal of thoracic disease*
Chibana, H., Ikeno, F.
2018; 10 (Suppl 26): S3237-S3240
- **BUDGET IMPACT OF ORBITAL ATHERECTOMY COMPARED TO ROTATIONAL ATHERECTOMY IN PATIENTS WITH SEVERELY CALCIFIED CORONARY ARTERY LESIONS IN JAPAN**
Pietzsch, J. B., Geisler, B. P., Ikeno, F.
ELSEVIER SCIENCE INC.2018: S69
- **Usability of cardiac magnetic resonance imaging for procedural myocardial infarction undergoing rotational atherectomy** *JOURNAL OF THORACIC DISEASE*
Chibana, H., Ikeno, F.
2018; 10: S3237–S3240
- **Dose-Dependent Cardioprotection of Moderate (32°C) Versus Mild (35°C) Therapeutic Hypothermia in Porcine Acute Myocardial Infarction.** *JACC. Cardiovascular interventions*
Dash, R. n., Mitsutake, Y. n., Pyun, W. B., Dawoud, F. n., Lyons, J. n., Tachibana, A. n., Yahagi, K. n., Matsuura, Y. n., Kolodgie, F. D., Virmani, R. n., McConnell, M. V., Illindala, U. n., Ikeno, et al
2018; 11 (2): 195–205
- **Differences in Vascular Response between Balloon Overstretch and Stent Overexpansion in Nonatherosclerotic Porcine Coronary Arteries.** *Comparative medicine*
Mitsutake, Y., Reifart, J., Pyun, W. B., Lyons, J. K., Deuse, T., Schrepfer, S., Ikeno, F.
2017; 67 (4): 350-355
- **Improvement of Local Cell Delivery Using Helix Transendocardial Delivery Catheter in a Porcine Heart.** *International heart journal*
Mitsutake, Y., Pyun, W. B., Rouy, D., Foo, C. W., Stertz, S. H., Altman, P., Ikeno, F.
2017; 58 (3): 435-440
- **SYNTAX Score and Long-Term Outcomes The BARI-2D Trial** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Ikeno, F., Brooks, M. M., Nakagawa, K., Kim, M., Kaneda, H., Mitsutake, Y., Vlachos, H. A., Schwartz, L., Frye, R. L., Kelsey, S. F., Waseda, K., Hlatky, M. A.
2017; 69 (4): 395-403
- **Clinical value of post-percutaneous coronary intervention fractional flow reserve value: A systematic review and meta-analysis** *AMERICAN HEART JOURNAL*
Rimac, G., Fearon, W. F., De Bruyne, B., Ikeno, F., Matsuo, H., Piroth, Z., Costerousse, O., Bertrand, O. F.
2017; 183: 1-9
- **Assessment of bioresorbable scaffold with a novel high-definition 60 MHz IVUS imaging system: Comparison with 40-MHz IVUS referenced to optical coherence tomography.** *Catheterization and cardiovascular interventions : official journal of the Society for Cardiac Angiography & Interventions*
Okada, K. n., Kitahara, H. n., Mitsutake, Y. n., Tanaka, S. n., Kimura, T. n., Yock, P. G., Fitzgerald, P. J., Ikeno, F. n., Honda, Y. n.
2017
- **Cost-effectiveness of orbital atherectomy compared to rotational atherectomy in treating patients with severely calcified coronary artery lesions in Japan.** *Cardiovascular intervention and therapeutics*
Pietzsch, J. B., Geisler, B. P., Ikeno, F. n.
2017
- **Correction to: Cost-effectiveness of orbital atherectomy compared to rotational atherectomy in treating patients with severely calcified coronary artery lesions in Japan.** *Cardiovascular intervention and therapeutics*
Pietzsch, J. B., Geisler, B. P., Ikeno, F. n.

2017

- **Rationale and design of the East-West late lumen loss study: Comparison of late lumen loss between Eastern and Western drug-eluting stent study cohorts** *AMERICAN HEART JOURNAL*
Harrison, R. W., Radhakrishnan, V., Lam, P. S., Alocco, D. J., Brar, S., Fahy, M., Fisher, R., Ikeno, F., Genereux, P., Kimura, T., Liu, M., Lye, W. K., Mintz, et al
2016; 182: 103-110
- **Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part II. In Vivo Imaging of Bone Marrow Stromal Cells in Swine with PET/CT and MR Imaging.** *Radiology*
Parashurama, N., Ahn, B., Ziv, K., Ito, K., Paulmurugan, R., Willmann, J. K., Chung, J., Ikeno, F., Swanson, J. C., Merk, D. R., Lyons, J. K., Yerushalmi, D., Teramoto, et al
2016; 280 (3): 826-836
- **Multimodality Molecular Imaging of Cardiac Cell Transplantation: Part I. Reporter Gene Design, Characterization, and Optical in Vivo Imaging of Bone Marrow Stromal Cells after Myocardial Infarction.** *Radiology*
Parashurama, N., Ahn, B., Ziv, K., Ito, K., Paulmurugan, R., Willmann, J. K., Chung, J., Ikeno, F., Swanson, J. C., Merk, D. R., Lyons, J. K., Yerushalmi, D., Teramoto, et al
2016; 280 (3): 815-825
- **Acute stent recoil and optimal balloon inflation strategy: an experimental study using real-time optical coherence tomography.** *EuroIntervention*
Kitahara, H., Waseda, K., Yamada, R., Otogiri, K., Tanaka, S., Kobayashi, Y., Okada, K., Kume, T., Nakagawa, K., Teramoto, T., Ikeno, F., Yock, P. G., Fitzgerald, et al
2016; 12 (2): e190-8
- **Quantitative precision of optical frequency domain imaging: direct comparison with frequency domain optical coherence tomography and intravascular ultrasound.** *Cardiovascular intervention and therapeutics*
Kobayashi, Y., Kitahara, H., Tanaka, S., Okada, K., Kimura, T., Ikeno, F., Yock, P. G., Fitzgerald, P. J., Honda, Y.
2016; 31 (2): 79-88
- **Transcatheter Alcohol-Mediated Perivascular Renal Denervation With the Peregrine System First-in-Human Experience** *JACC-CARDIOVASCULAR INTERVENTIONS*
Fischell, T. A., Ebner, A., Gallo, S., Ikeno, F., Minarsch, L., Vega, F., Haratani, N., Ghazarossian, V. E.
2016; 9 (6): 589-598
- **Transcatheter Alcohol-Mediated Perivascular Renal Denervation With the Peregrine System: First-in-Human Experience.** *JACC. Cardiovascular interventions*
Fischell, T. A., Ebner, A., Gallo, S., Ikeno, F., Minarsch, L., Vega, F., Haratani, N., Ghazarossian, V. E.
2016; 9 (6): 589-98
- **Therapeutic Hypothermia for Cardioprotection in Acute Myocardial Infarction.** *Yonsei medical journal*
Kang, I. S., Fumiaki, I., Pyun, W. B.
2016; 57 (2): 291-7
- **Serial changes of coronary endothelial function and arterial healing after paclitaxel-eluting stent implantation.** *Cardiovascular intervention and therapeutics*
Mitsutake, Y., Ueno, T., Ikeno, F., Yokoyama, S., Sasaki, K., Nakayoshi, T., Itaya, N., Chibana, H., Sasaki, M., Fukumoto, Y.
2016; 31 (1): 21-28
- **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)
- **Evaluation and Treatment of Patients With Lower Extremity Peripheral Artery Disease Consensus Definitions From Peripheral Academic Research Consortium (PARC)** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Patel, M. R., Conte, M. S., Cutlip, D. E., Dib, N., Geraghty, P., Gray, W., Hiatt, W. R., Ho, M., Ikeda, K., Ikeno, F., Jaff, M. R., Jones, W. S., Kawahara, et al
2015; 65 (9): 931-941
- **Efficacy and Safety of Novel Multi-Lumen Catheter for Chronic Total Occlusions: From Preclinical Study to First-in-Man Experience** *CATHETERIZATION AND CARDIOVASCULAR INTERVENTIONS*
Mitsutake, Y., Ebner, A., Yeung, A. C., Taber, M. D., Davidson, C. J., Ikeno, F.
2015; 85 (3): E70-E75

- **Optical Coherence Tomography of Pulmonary Arterial Walls in Humans and Pigs (*Sus scrofa domestica*).** *Comparative medicine*
Brunner, N. W., Zamanian, R. T., Ikeno, F., Mitsutake, Y., Connolly, A. J., Shuffle, E., Yuan, K., Orcholski, M., Lyons, J., de Jesus Perez, V. A.
2015; 65 (3): 217-224
- **Echocardiographic and Electrocardiographic Characteristics of Male and Female Squirrel Monkeys (*Saimiri spp.*).** *Journal of the American Association for Laboratory Animal Science*
Huss, M. K., Ikeno, F., Buckmaster, C. L., Albertelli, M. A.
2015; 54 (1): 25-28
- **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)
- **Dichloroacetate prevents restenosis in preclinical animal models of vessel injury.** *Nature*
Deuse, T., Hua, X., Wang, D., Maegdefessel, L., Heeren, J., Scheja, L., Bolaños, J. P., Rakovic, A., Spin, J. M., Stubbendorff, M., Ikeno, F., Länger, F., Zeller, et al
2014; 509 (7502): 641-644
- **Dichloroacetate prevents restenosis in preclinical animal models of vessel injury.** *Nature*
Deuse, T., Hua, X., Wang, D., Maegdefessel, L., Heeren, J., Scheja, L., Bolaños, J. P., Rakovic, A., Spin, J. M., Stubbendorff, M., Ikeno, F., Länger, F., Zeller, et al
2014; 509 (7502): 641-644
- **Patient access to medical devices-what about Japan, the second largest medical device market?** *Cardiovascular intervention and therapeutics*
Ikeno, F., Ikeda, K., Uchida, T.
2014; 29 (1): 1-3
- **Histological characteristics of myocardial bridge with an ultrasonic echolucent band. Comparison between intravascular ultrasound and histology.** *Circulation journal*
Yamada, R., Turcott, R. G., Connolly, A. J., Ikeno, F., McConnell, M. V., Schnittger, I., Fitzgerald, P. J., Honda, Y.
2014; 78 (2): 502-504
- **Response to letter regarding article, "fractional flow reserve assessment of left main stenosis in the presence of downstream coronary stenoses".** *Circulation. Cardiovascular interventions*
Yong, A. S., Daniels, D., Kim, H., Ikeno, F., Lyons, J., Fearon, W. F., Pijls, N. H., De Bruyne, B.
2013; 6 (4)
- **The Role of Large Animal Studies in Cardiac Regenerative Therapy Concise Review of Translational Stem Cell Research** *KOREAN CIRCULATION JOURNAL*
Kwon, S. U., Yeung, A. C., Ikeno, F.
2013; 43 (8): 511-518
- **Global Cardiovascular Device Innovation: Japan-USA Synergies - Harmonization by Doing (HBD) Program, a Consortium of Regulatory Agencies, Medical Device Industry, and Academic Institutions -** *CIRCULATION JOURNAL*
Uchida, T., Ikeno, F., Ikeda, K., Suzuki, Y., Todaka, K., Yokoi, H., Thompson, G., Krucoff, M., Saito, S.
2013; 77 (7): 1714-1718
- **Fractional flow reserve assessment of left main stenosis in the presence of downstream coronary stenoses.** *Circulation. Cardiovascular interventions*
Yong, A. S., Daniels, D., De Bruyne, B., Kim, H., Ikeno, F., Lyons, J., Pijls, N. H., Fearon, W. F.
2013; 6 (2): 161-165
- **PLAQUE ASSESSMENT WITH A NOVEL HIGH-DEFINITION 60-MHZ IVUS IMAGING SYSTEM: COMPARISON WITH CONVENTIONAL 40 MHZ IVUS AND OPTICAL COHERENCE TOMOGRAPHY** *62nd Annual Scientific Session of the American-College-of-Cardiology*
Tanaka, S., Sakamoto, K., Yamada, R., Nakagawa, K., Yock, P. G., Fitzgerald, P. J., Ikeno, F., Honda, Y.
ELSEVIER SCIENCE INC.2013: E1878-E1878
- **VALIDATION OF INFARCT CHARACTERIZATION IN A PORCINE ISCHEMIA REPERFUSION INJURY MODEL** *62nd Annual Scientific Session of the American-College-of-Cardiology*
Nakagawa, K., Ikeno, F., Matsuura, Y., Lyons, J., Nguyen, P., Wu, J., Yeung, A. C., Yang, P. C., Dash, R.
ELSEVIER SCIENCE INC.2013: E617-E617

- **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
- **IMPACT OF POST-DILATATION STRATEGIES AND STENT MATERIALS ON CHRONIC STENT AREA PRESERVATION: AN EXPERIMENTAL STUDY USING OPTICAL COHERENCE TOMOGRAPHY** *62nd Annual Scientific Session of the American-College-of-Cardiology*
Kitahara, H., Waseda, K., Yamada, R., Nakagawa, K., Ikeno, F., Fitzgerald, P. J., Honda, Y.
ELSEVIER SCIENCE INC.2013: E1657–E1657
- **Clinical and Angiographic Risk Stratification and Differential Impact on Treatment Outcomes in the Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D) Trial** *CIRCULATION*
Brooks, M. M., Chaitman, B. R., Nesto, R. W., Hardison, R. M., Feit, F., Gersh, B. J., Krone, R. J., Sako, E. Y., Rogers, W. J., Garber, A. J., King, S. B., Davidson, C. J., Ikeno, et al
2012; 126 (17): 2115-?
- **Clinical Feasibility of Higher-Frequency IVUS for Quantitative Measurements of Native Coronary Lesions: First-in-Human Experience with 60MHz versus 40MHz IVUS Imaging** *Transcatheter Cardiovascular Therapeutics (TCT) Symposium*
Huang, C., Sakamoto, K., Nakagawa, K., Yock, P., Ebner, A., Fitzgerald, P., Ikeno, F., Honda, Y.
ELSEVIER SCIENCE INC.2012: B81–B82
- **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
- **Evaluation of the peri-strut low intensity area following sirolimus- and paclitaxel-eluting stents implantation: Insights from an optical coherence tomography study in humans** *INTERNATIONAL JOURNAL OF CARDIOLOGY*
Otake, H., Shite, J., Ikeno, F., Shinke, T., Teramoto, T., Miyoshi, N., Ako, J., Honda, Y., Fitzgerald, P. J., Hirata, K.
2012; 157 (1): 38-42
- **Impact of Completeness of Revascularization on Long-Term Cardiovascular Outcomes in Patients With Type 2 Diabetes Mellitus Results from the Bypass Angioplasty Revascularization Investigation 2 Diabetes (BARI 2D)** *CIRCULATION-CARDIOVASCULAR INTERVENTIONS*
Schwartz, L., Bertolet, M., Feit, F., Fuentes, F., Sako, E. Y., Toosi, M. S., Davidson, C. J., Ikeno, F., King, S. B.
2012; 5 (2): 166-173
- **IMPACT OF POST-DILATATION STRATEGIES ON ACUTE STENT EXPANSION: AN EXPERIMENTAL STUDY USING OPTICAL COHERENCE TOMOGRAPHY** *61st Annual Scientific Session and Expo of the American-College-of-Cardiology (ACC)/Conference on ACC-i2 with TCT*
Kitahara, H., Waseda, K., Yamada, R., Kume, T., Nakagawa, K., Teramoto, T., Ikeno, F., Fitzgerald, P., Honda, Y.
ELSEVIER SCIENCE INC.2012: E153–E153
- **Consensus Standards for Acquisition, Measurement, and Reporting of Intravascular Optical Coherence Tomography Studies A Report From the International Working Group for Intravascular Optical Coherence Tomography Standardization and Validation** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Tearney, G. J., Regar, E., Akasaka, T., Adriaenssens, T., Barlis, P., Bezerra, H. G., Bouma, B., Bruining, N., Cho, J., Chowdhary, S., Costa, M. A., de Silva, R., Dijkstra, et al
2012; 59 (12): 1058-1072
- **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
- **Dual Manganese-Enhanced and Delayed Gadolinium-Enhanced MRI Detects Myocardial Border Zone Injury in a Pig Ischemia-Reperfusion Model** *CIRCULATION-CARDIOVASCULAR IMAGING*
Dash, R., Chung, J., Ikeno, F., Hahn-Windgassen, A., Matsuura, Y., Bennett, M. V., Lyons, J. K., Teramoto, T., Robbins, R. C., McConnell, M. V., Yeung, A. C., Brinton, T. J., Harnish, et al
2011; 4 (5): 574-582
- **Comparison of Drug-Eluting Versus Bare Metal Stents in Cardiac Allograft Vasculopathy** *AMERICAN JOURNAL OF CARDIOLOGY*
Tremmel, J. A., Ng, M. K., Ikeno, F., Hunt, S. A., Lee, D. P., Yeung, A. C., Fearon, W. F.
2011; 108 (5): 665-668

- **Fundamental Wire Technique and Current Standard Strategy of Percutaneous Intervention for Chronic Total Occlusion With Histopathological Insights** *JACC-CARDIOVASCULAR INTERVENTIONS*
Sumitsuji, S., Inoue, K., Ochiai, M., Tsuchikane, E., Ikeno, F.
2011; 4 (9): 941-951
- **BMP promotes motility and represses growth of smooth muscle cells by activation of tandem Wnt pathways** *JOURNAL OF CELL BIOLOGY*
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