

2001 Holcombe Blvd., Apt. 2706
Houston, TX 77030

PROFESSIONAL DATA

Director Regenerative Medicine Research, Texas Heart Institute
6720 Bertner Ave., MC 2-255
Houston, TX 77030
Phone: (832) 355-9481 Fax: (832) 355-9552
Email: DTaylor@texasheart.org

EDUCATIONUndergraduate

1976 Mississippi University for Women, Columbus, Mississippi,
B.S. Biology and Physical Sciences

Graduate/Professional

1977 Mississippi State University, State College, Mississippi
1987 University of Texas Southwestern Medical Center, Dallas, Texas
PhD. Pharmacology, James T. Stull, Mentor

Post-doctoral

1988-1991 Albert Einstein College of Medicine, Department of Immunology, Bronx, New York,
Leslie Leinwand, mentor, NIH Traineeship T32HL07675

PROFESSIONAL AND ACADEMIC APPOINTMENTS

2012 – Present Texas Heart Institute
Director Regenerative Medicine Research

University of Minnesota
Adjunct Professor of Integrative Biology and Physiology

Texas A&M University
Adjunct Member of the Graduate Faculty

2003 – 2012 University of Minnesota
Director, Center for Cardiovascular Repair
Medtronic Bakken Professor of Integrative Biology and Physiology
Professor of Medicine

Duke University Medical Center
Adjunct Associate Professor, Department of Medicine, Division of Cardiology
Adjunct Associate Professor, Department of Biomedical Engineering

2002 – 2003 Duke University Medical Center
Associate Professor, Division of Cardiology, 2002 - 2003
Associate Research Professor, Department of Surgery, 1996 - 2003
Adjunct Assistant Professor, Department of Biomedical Engineering

1996 - 2002 Duke University Medical Center
Assistant Research Professor, Division of Cardiology
Adjunct Assistant Professor, Department of Biomedical Engineering

1991 – 1996 Duke University Medical Center

Medical Research Associate, Department of Medicine, Division of Cardiology

RESEARCH INTERESTS

- Cell and gene therapy for treatment of cardiovascular disease
- Sex differences in cardiac and vascular cell-based therapies
- Tissue engineering of bioartificial organs and vasculature
- Cell-based prevention of disease
- Stem cells and cancer
- Aging as a failure of stem cells
- Complementary and alternative approaches to endogenous (cell-mediated) repair.

ACADEMIC AFFILIATIONS

- Department of Integrative Biology and Physiology, senior faculty member
- Department of Medicine, senior faculty member
- Department of Biomedical Engineering, senior faculty member
- Stem Cell Institute, faculty member
- Supercomputing Institute for Digital Simulation and Advanced Computation, participating faculty member.
- Lillehei Heart Institute, Institute Advisory Board member, and faculty
- Institute of Engineering in Medicine, Center Director
- Department of Medicine, Duke University Medical Center, adjunct faculty
- Department of Biomedical Engineering, Duke University, adjunct faculty

PROFESSIONAL AFFILIATIONS

- American Association for the Advancement of Science (AAAS)
- American Heart Association (AHA)
- American Physiological Society (APS)
- Biophysical Society
- AHA Council on Basic Cardiovascular Sciences
- Federation of American Societies for Experimental Biology (FASEB)
- International Society for Applied Cardiovascular Biology (ISACB)
- International Society for Heart & Lung Transplantation (ISHLT), Co-Chair Tissue Engineering Council
- Organization for the Study of Sex Differences (OSSD), Member

INVENTION DISCLOSURES

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|------|--|
| 2005 | A Method for Preventing Cardiac Valve Failure |
| 2004 | Smart Heart Preparation |
| 2004 | “Telecath” for the daVinci™ Robotic Surgery System |
| 2003 | Minimally Invasive Instrument for Cell Transplantation |
| 2002 | Use and Detection of Stem Cell Carriers to Deliver Nano- and Micro-Devices to the Vessel Wall (including but not limited to Drug Delivery Devices) |
| 2002 | A process for obtaining cardiocytes from progenitor cells |

PATENT APPLICATIONS

08/2006 Decellularization and Recellularization of Organs and Tissues
 08/2005 Adult Cardiac-Derived Progenitor Cells
 09/2001 FAS Ligand

INVESTIGATIONAL NEW DRUG (IND) APPLICATION

06/2005 Bone Marrow Derived Mononuclear Cells, IND #12274

STUDY SECTIONSExtramuralInternational

Research Grants Council - Competitive Earmarked Research Grants (CERG)
 Hong Kong, China, (2007)
 Sheffield Hospitals Charitable Trust Medical Research committee
 Sheffield, UK, (2007)
 Pfizer Australia, Partnering Excellence in Medical Research, Senior Research, (2006)
 Fellowships in Biomedical Science in Australia, Fellowships for 2007
 Wellcome Trust, London, England, (2005)
 Medical Research Council, London, England, (2004 – 2005)
 Scientific Committee and Jury, *Grand Prix Lefoulon-Delalande Foundation Institut De France*, Paris, France, (2002 – Present)
 Austrian Science Fund (FWF), Vienna, Austria, (2002 – 2006)

National

NIH, Cardiac Contractility Hypertrophy Failure Study Section Charter member (2008-2012)
 NIH, Scientific Review Committee, Cardiovascular Sciences Small Business Activities Review Group, Bethesda, Maryland (2007)
 NIH National Heart, Lung and Blood Institute, Special Emphasis Panel, Conference Grants (R13); Bethesda, Maryland (2007)
 NIH National Heart, Lung and Blood Institute, “Heart Failure Clinical Research Network”; Bethesda, Maryland (2006)
 NIH Scientific Review Committee, Cardiovascular Sciences Integrated Review Group, Myocardial Ischemia and Metabolism (MIMM) Study Section, Bethesda, Maryland, ad hoc reviewer (2005 – Present)
 AHA, Cardiovascular (Patho) Physiology II Study Section, American Heart Association (2002 - 2006)
 NSF, Engineering Resource Center Site Visit team member (2000)
 NIH, Surgery and Bioengineering Study Section, National Institutes of Health (1998)

Intramural

Academic Health Center Faculty Research Development Grant, University of Minnesota

SCIENTIFIC ACTIVITIES

Advisory Panels

2006-current **California National Primate Research Center**, UC Davis, EAB
2008-current **Keystone Symposia**, Scientific Advisory Board

Associate Editor

Stem Cell Review
Current Topics in Cardiovascular Medicine
Cardiac Vascular Regeneration, Associate Editor (former)

Editorial Boards

Stem Cell Research & Therapy
Journal of Heart and Lung Transplantation
Journal of Molecular and Cellular Cardiology (former)

Referee

The American Heart Journal
Circulation
Circulation Research
Diabetes
EuroIntervention
European Heart Journal
The FASEB Journal
Gene Therapy Journal
Journal of the American College of Cardiology (JACC)
Journal of Clinical Investigation
Journal of Thoracic and Cardiovascular Surgery
Journal of Heart and Lung Transplantation
Journal of Molecular and Cellular Cardiology
Nature Medicine
Seminars in Thoracic and Cardiovascular Surgery
Stem Cells

Referee (Meeting Abstracts):

International

International Society for Heart and Lung Transplantation (ISHLT), (2005 – Present)

National

Cardiovascular Research Foundation, New York, NY (2006)
Cardiovascular Research Institute (CRT), Washington, DC (2005 – Present)
Transcatheter Cardiovascular Therapeutics (TCT), Washington, DC (2005 – Present)
American Heart Association, Scientific Sessions, Dallas, TX (2004 – Present)

TEACHING EXPERIENCE

- 2009 – Present Young Scientist Roundtables
- 2004 – Present University of Minnesota, MUSC 5444
 University of Minnesota, PHYS 3062W
 Mini-Medical School, Academic Health Center, Medical School, Univ. of Minnesota
 Seminar series, Lecturer (2008) (2011)
- Women in Medicine, Academic Health Center, Medical School, Univ. of Minnesota
 Seminar series, Lecturer (2008)
- Department of Integrative Biology and Physiology, University of Minnesota
 Physiology Writing Course (PHSL 3071), Faculty Mentor
 Muscle Course BioC 5444, Lecturer, Faculty Mentor
 Research Paper for Physiology Majors (PHSL 3062W), Faculty Advisor/Mentor
 Seminar series, Participant, Lecturer
- Department of Biomedical Engineering, University of Minnesota (2004 – Present)
 Course Lecturer
 Graduate Faculty Mentor
 Undergraduate Honors Thesis Mentor
 Undergraduate Admissions Committee
- Lillehei Heart Institute, Academic Health Center, Medical School, Univ. of Minnesota
 Seminar series, Lecturer
- School of Public Health, University of Minnesota (2007)
 Course Lecturer
- 2003 – Present Division of Cardiology, University of Minnesota
 Research Conference, Lecturer
 Grand Rounds, Participant and Lecturer
 Cardiology Fellowship Program, Lecturer
- Law School, University of Minnesota,
 Joint Degree Program, Lecturer (2005)
- 1998 – 2003 Biomedical Engineering, Duke University, Durham, NC
 Tissue Engineering Course, Lecturer (2001-2003)
 Independent Study Mentor (1998 – 2003)
- 1991 Immunopathology Fellowship Training Program, Bronx-Lebanon Hospital
Molecular Biology Course Director
- 1981 – 1986 Department of Pharmacology, Univ. of Texas Southwestern Medical School
 Physician's Assistants' Pharmacology Course, School of Allied Health
 Sciences, Lecturer (1981 – 1986)
 Medical Pharmacology Course, Laboratory Instructor, (1981 – 1983)

TRAINEES

Jonathan McCue, MD, 2001, Columbia University, New York, NY
Training Period: 2004–2007
Current Status: NIH Training Program and Surgery Residency and UMN

Harald Ott, MD, 2000, Medical School, Leopold Franzens University, Innsbruck
Austria
Training Period 2004–2006
Current Status: Surgery Residency at the Massachusetts General Hospital, Boston,
MA

Dan Gatlin, M.D., 2000, University of North Dakota, Grand Forks, ND
Training Period: 2004-2005
Current Status: Surgery Fellow, University Of Minnesota

Craig Stolen, PhD,
Training Period: 2004-2005
Current Status: Private Sector

Wendy Nelson, Ph.D., 2003, University of Minnesota, Minneapolis, MN,
Training Period: 2003-2006
Current Status: Private Sector

Nicholas Csikesz, B.S.E., 2003, Duke University, Durham, North Carolina
Training Period: 2003
Current Status: Graduate Student

Brad Sutton, B.S., 1999, Eureka College, Eureka, Illinois
Training Period: 2002-2003
Current Status: Johns Hopkins Medical Student

E. Vainorius, M.D., 1998, Kaunas Medical University, Kaunas, Lithuania
Training Period: 2002-2003
Current Status: Duke University Medical Center

E.J. Van den Bos, M.D., 2003, Erasmus MC Univ. Med Center, Rotterdam,
Netherlands
Training Period: 2002
Current Status: Experimental Cardiology, Erasmus MC University Medical Center
Rotterdam, Rotterdam, The Netherlands

Bryce Davis, Ph.D., 2006, Duke University, Durham, North Carolina
Training Period: 2001-2006
Current Status: McKenzie Consulting, NY, NY

Y. Morimoto, M.D., Kobe University Medical Center, Kobe, Japan
Training Period: 2001-2003
Current Status: CT Surgeon, Kobe University, Kobe, Japan

A. Soliman, M.D., University of Alexandria, Alexandria, Egypt
Training Period: 2001-2003
Current Status: Texas Heart Institute

Richard Thompson, M.D., 1999, University of Pennsylvania, Philadelphia, PA
Training Period: 2001-2003
Current Status: Duke University Medical Center Surgical Resident

Matthew Ellis, M.D., 2002, Duke University, Durham, NC
Training Period: 2001
Current Status: Resident, Duke University Medical Center

John Scarborough, M.D., 1998, Duke University, Durham, NC
Training Period: 2000-2002
Current Status: DUMC Sr. Resident, General and Thoracic Surgeon

Hunter Cherwek, M.D., 2005, Duke University, Durham, NC
Training Period: 2000
Current Status: Staff Ophthalmologist, Orbis Flying Eye Hospital

Kelley Hutcheson, M.D., 2006, Duke University, Durham, NC
Training Period: 2000
Current Status: CT Surgeon Resident, Duke University Medical Center

Sitaram Emani, M.D., 1997, Harvard University, Cambridge, MA
Training Period: 1999-2001
Current Status: Department of Surgery, Duke University Medical Center

B. Zane Atkins, M.D., 1995, Duke University, Durham, NC
Training Period: 1997-1999
Current Status: U.S. Air Force CT Surgeon

Cleveland Lewis, M.D., 1991, Duke University, Durham, NC
Training Period: 1997-1998
Current Status: Private Practice

Scott Silvestry, M.D., 1991, Duke University, Durham, NC
Training Period: 1995-1997
Current Status: Private Practice

TRAINEE HONORS

7/2005 – 7/2008 NRSA F32HL082134 awarded to Jonathan McCue, MD

SCIENTIFIC ADVISORY BOARDS OR PANELS

2004 – 2007	Johnson & Johnson
2004	Medtronic Corporation
2000	Cordis Global Advisory Committee
1999 – 2007	Bioheart, Inc., Fort Lauderdale, FL
1993 – 1995	Drug Utilization Review Program First Health Services Corporation, Chapel Hill, NC 27514

COMMITTEE SERVICE

UM Medical School Conflict of Interest Task Force, research subcommittee chair (2007 - present)
 BME Graduate Admissions committee (2007)
 Lillehei Heart Institute Director, Search Committee member (2006 - 2007)
 Stem Cell Institute Director Search Committee member (2006)
 Department Head Council, UMN Medical School (2005 – present)
 Academic Health Center Conflict of Interest committee (2004- present)

FINANCIAL/GRANT SUPPORT**Current**

12/2003 – Present	Medtronic Bakken Endowment (~\$3,500,000)
12/2003 – Present	Medtronic Foundation Gift (\$1,000,000)
09/2009 – 09/2016	Co-Investigator (Daniel Garry, PI) NHLBI Progenitor Cell Biology Consortium - UO1 NIH NHLBI 1 U01 HL 100407-01 \$1,132,500
01/2008 – 02/2014	Co-Investigator (Carl Pepine, PI) NIH R01 HL 091005 Ancillary Functional Studies for the Cardiovascular Cell Therapy Research Network, \$378,860
01/2009 – 12/2012	Director and Principal Investigator AHA 0970499N American Heart Association: Jon Holden DeHaan Cardiac Myogenesis Research Center, \$2,590,000

Completed:

2006 – 2011	Co-Investigator NIH U01 HL 087394, MN Cardiovascular Cell Therapy Clinical Research Network: From AMI to CHF <i>Consortium with University of MN and Minneapolis Heart Institute Foundation</i> , \$306,661
2006 – 2011	Principal Investigator: Biorepository Core Director NIH U01 HL 087394, MN Cardiovascular Cell Therapy Clinical Research Network: Biorepository for NHLBI Cardiovascular Cell Therapy Research Network. \$401,267

2009 – 2011 Principal Investigator
NIH 5 U01 HL 0873180-03 FOCUS Protocol for the Cardiovascular Cell Therapy Research Network, \$153,696

2004 – 2010 Principal Investigator
NIH 2R01 HL 063346 Safety and Efficacy of Cellular Cardiomyoplasty, \$950,000

2008 – 2009 Principal Investigator
University of Minnesota; Decell | Recell Innovation Grant
\$317,120

2006 – 2009 Principal Investigator
University of MN-Mayo Clinic Partnership Grant; Minnesota Partnership for Biotechnology and Medical Genomics
Progenitor Cells As Biomarkers: Developing Diagnostic & Prognostic Profiles for Cardiovascular Disease
\$500,000

2006 – 2007 Principal Investigator
Academic Health Center Faculty Research Development Grant
Bioengineering of a Cardiac Autograft on Cadaveric Extracellular Matrix
\$196,983

2006 Co-Principal Investigator (Ott, H - PI)
Efficacy of Cardiac Cell Transplantation for Myocardial Repair
MN Medical Foundation Special Grant, \$17,496

2005 – 2006 Excel Bank Minnesota Foundation
Operating/Equipment Grant, \$40,000

1999 – 2003 Principal Investigator
Unrestricted Gift Medtronic Inc. Fridley, Minnesota, \$40,000

2001 – 2002 Co Principal Investigator (Goldschmidt - PI)
MEDUSA, \$53,000

1997 – 2002 Principal Investigator
NIH R01HL 57988, Award (Priority Score 129; 1.8 Percentile), \$350,000

1998 – 1999 Principal Investigator
North Carolina Biotechnology Association ARIG award “Altering myoblast cell surface molecule expression to create a biologic reagent for gene delivery”, \$40,000

1996 – 1998 Principal Investigator
Unrestricted Gift Medtronic Inc. Fridley, MN, \$150,000

1996 – 1997 Principal Investigator
Duke Heart Center Initial Career Development Award, \$30,000

1995 – 1997 Principal Investigator
North Carolina Heart Association Grant-in-Aid, \$50,000

1992 – 1993 Principal Investigator
American Cancer Society Institutional Research Grant, \$30,000

HONORS

- 2011 **Fellow, American Heart Association** and the Council on Functional Genomics and Translational Biology
Fellow, American College of Cardiology
- 2010 **Fellow, American Heart Association** and the Council on Basic Cardiovascular Sciences
- 2008 **American Heart Association** Top 10 Research Advances of 2008
CNN recognition in top health story of 2008
Popular Science, Grand Award for Health Discoveries
Nature, Top Images of 2008
- 2005 – 2010 **FDA** Cellular, Tissue and Gene Therapies Advisory Committee Member
Food and Drug Administration, Department of Health and Human Services, Rockville, MD
- 2006 **Meeting Co-Chair**, Stem Cell Therapy for the Failing Heart, Bangkok, Thailand
- 2006 **Keynote Lecture**, The 11th Congress of the International Society for Peritoneal Dialysis, Karl D. Nolph State-of-the Art Lecture: “Stem cell therapy development – possible future for PD patients?” Hong Kong, China
- 2005 24th Annual Jesse E. Edwards, M.D. **Lectureship**, United Hospitals, St. Paul, MN
- 2005 **FDA** Research Review Sub-Committee Member, Cellular, Tissue and Gene Therapies Advisory Board, Bethesda, Maryland
- 2002 - Present **Scientific Committee and Jury**, *Grand Prix Lefoulon-Delalande Foundation*
Institut De France, Paris, France (500,000 Euro)
- 2002 - Present **Co-Chair**, International Society for Heart & Lung Transplantation, Cell Therapy Tissue Engineering Council

SELECTED PUBLICATIONS**BIBLIOGRAPHY****A. Published papers in peer reviewed journals.**

- McNally EM, Kraft R, Bravo-Zehnder M, **Taylor DA**, Leinwand LA. (1989) Full-length Rat Alpha and Beta Cardiac Myosin Heavy Chain Sequences. Comparisons Suggest a Molecular Basis for Functional Difference; *J Mol Biol.* Dec; 210(3):665-71. PMID: 2614840
- Stull JT, Bowman BF, Colburn JC, Hsu LC, Michnoff CH, **Taylor DA**, Kamm KE. (1989) Second Messenger Effects on the Myosin Phosphorylation System in Smooth Muscle. *Adv Exp Med Biol.* 255:279-88. PMID: 2618866
- Taylor DA**, Bowman BF, Stull JT. (1989) Cytoplasmic Ca²⁺ is a Primary Determinant for Myosin Phosphorylation in Smooth Muscle Cells. *J Biol Chem.* Apr; 264(11):6207-13. PMID: 2539375
- Taylor DA**, Leinwand LA, Federoff HJ. (1990) Delaying Sympathetic Innervation Prevents the β - to α -Myosin Heavy Chain Switch in Heart. *J Cell Biochem. Suppl.* 14F, 25.
- Brown RD, Ristic H, Toranji S, **Taylor DA**. (1991) Temporal Integration of Receptor Responses in BC3H-1 Muscle Cells. *Progress in Clinical and Biological Research.* Alan R. Liss Inc.
- Taylor DA**, Kraus VB, Schwarz JJ, Olson EN, Kraus WE. (1993) E1A-mediated Inhibition of Myogenesis Correlates with a Direct Physical Interaction of E1A_{12S} and Basic-Helix-Loop-Helix Proteins; *Mol Cell Biol.* Aug; 13(8):4714-27. PMID: 8393137
- Kraus WE, Torgan CE, **Taylor DA**. (1994) Skeletal Muscular Adaptation to Chronic Low Frequency Motor Nerve Stimulation. *Exerc Sport Sci Rev.* 22:313-60. PMID: 7925548
- Hassankhani A, Steinhilper ME, Soonpaa MH, Katz EB, **Taylor DA**, Andrade-Rozental A, Factor SM, Steinberg JJ, Field LJ, Federoff HJ. (1995) Over-Expression of NGF within the Heart of Transgenic

- Mice Causes Hyperinnervation, Cardiac Enlargement and Hyperplasia of Ectopic Cells. *Dev Bio.* May; 169(1):309-21. PMID: 7750647
9. Silvestry SC, **Taylor DA**, Lilly RE, Atkins BZ, Marathe US, Davis JW, Kraus W, Glower DD. (1996) The *In Vivo* Quantification of Myocardial Performance in Rabbits: A Model for Cardiac Gene Therapy; *J Mol Cell Cardiol.* May; 28(5):815-23. PMID: 8762021
 10. Abdel-aleem S, Karim AM, Zarouk WA, **Taylor DA**, el-Awady MK, Lowe JE. (1997) Reduced Effects of L-Carnitine on Glucose and Fatty Acid Metabolism in Myocytes Isolated from Diabetic Rats; *Horm Metab Res.* Sep; 29(9):430-5. PMID: 9370110
 11. Abdel-aleem S, el-Merzabani MM, Sayed-Ahmed M, **Taylor DA**, Lowe JE. (1997) Acute or Chronic Effects of Adriamycin on Fatty Acid Oxidation in Isolated Cardiac Myocytes; *J Mol Cell Cardiol.* Feb; 29(2):789-97. PMID: 9140835
 12. Lewis CW, Channon KM, Annex BH, Peters KG, Glower DD, Kraus WE, **Taylor DA**. (1997) The Expression of Adenoviral Vascular Endothelial Growth Factor Increases Capillary Density and Promotes Neovascularization in a Rabbit Model of Myocardial Injury; *Surg Forum*, 248-250.
 13. **Taylor DA**, Silvestry SC, Bishop SP, Annex BH, Lilly RE, Glower DD, Kraus WE. (1997) Delivery of Primary Autologous Skeletal Myoblasts into Rabbit Heart by Coronary Infusion: A Potential Approach to Myocardial Repair; *Proc Assoc Am Physicians.* May; 109(3):245-53. PMID: 9154641
 14. Abdel-aleem S, Awadi ME, Zarouk WA, **Taylor DA**, Lowe JE. (1998) Effects of Phosphodiesterase Inhibitors on Glucose Utilization in Isolated Cardiac Myocytes; *Mol Cell Biochem.* Mar; 180(1-2): 129-35. PMID: 9546639
 15. Abdel-aleem S, St. Louis J, Hendrickson SC, El-Shewy HM, El-Dawy K, **Taylor DA**, Lowe JE. (1998) Regulation of Carbohydrate and Fatty Acid Utilization by L-Carnitine During Cardiac Development and Hypoxia; *Mol Cell Biochem.* Mar; 180(1-2):95-103. PMID: 9546635
 16. Annex BH, Torgan CE, Lin P, **Taylor DA**, Thompson MA, Peters KG, Kraus WE. (1998) Induction and Maintenance of Increased VEGF Protein by Chronic Motor Nerve Stimulation in Skeletal Muscle; *Am J Physiol.* Mar; 274(3 Pt 2):H860-7. PMID: 9530197
 17. Lewis CW, Atkins BZ, Hutcheson KA, Gillen CT, Reedy MC, Glower DD, **Taylor DA**. (1998), A Load-Independent *In Vivo* Model for Evaluating Therapeutic Interventions in Injured Myocardium; *Am J Physiol.* Nov; 275(5 Pt 2): H1834-44. PMID: 9815092
 18. **Taylor DA**, Atkins BZ, Hungspreugs P, Jones TR, Reedy MC, Hutcheson KA, Glower DD, Kraus WE. (1998) Regenerating Functional Myocardium: Improved Performance After Skeletal Myoblast Transplantation; *Nat Med.* Aug; 4(8):929-33. Erratum in: *Nat Med.* Oct; 4(10):1200. PMID: 9701245
 19. Atkins BZ, Hueman MT, Meuchel J, Hutcheson KA, Glower DD, **Taylor DA**. (1999) Cellular Cardiomyoplasty Improves Diastolic Properties of Injured Heart; *J Surg Res.* Aug; 85(2):234-42. PMID: 10423324
 20. Atkins BZ, **Taylor DA**. (1999) Myogenic Cell Transplantation: Restoring Myocardial Performance to Injured Heart; *"Biotech Médecine"* (15) 7-11.
 21. Atkins BZ, Hueman MT, Meuchel JM, Cottman MJ, Hutcheson KA, **Taylor DA**. (1999) Myogenic Cell Transplantation Improves *In Vivo* Regional Performance in Infarcted Rabbit Myocardium; *J Heart Lung Transplant;* Dec; 18(12):1173-80. PMID: 10612375
 22. Atkins BZ, Lewis CW, Kraus WE, Hutcheson KA, Glower DD, **Taylor DA**. (1999) Intracardiac Transplantation of Immature Skeletal Myoblasts Yields Two Populations of Striated Cells *In Situ*; *Ann Thorac Surg.* Jan; 67(1):124-9. PMID: 10086536
 23. Cherwek DH, **Taylor DA**. (1999) Cell Transplantation into Injured Myocardium: A novel approach for improving myocardial performance; *Biotech Laboratories International* 4 (4):12-15.
 24. Cherwek DH, Hopkins MB, Thompson MJ, Annex BH, **Taylor DA**. (2000) Fiber Type-specific Differential Expression of Angiogenic Factors in Response to Chronic Hindlimb Ischemia; *Am J Physiol Heart Circ Physiol;* Sep; 279(3): H932-8. PMID: 10993752

25. Hutcheson KA, Atkins BZ, Hueman MT, Hopkins MB, Glower DD, **Taylor DA**. (2000) Comparison of Benefits on Myocardial Performance of Cellular Cardiomyoplasty with Skeletal Myoblasts and Fibroblasts; *Cell Transplant*; May-Jun; 9(3):359-68. PMID: 10972335
26. Atkins BZ, Emani S, Hutcheson KA, Glower DD, **Taylor DA**. (2001) Transplanted Autologous Skeletal Myoblasts Improve Myocardial Performance After Coronary Artery Ligation; *Card Vasc Regen* (1):276-84.
27. Ellis ME, Russell SD, **Taylor DA**. (2001) Translating Cell Transfer for Cardiovascular Disease to the Bedside; *Card Vasc Regen* (1)3:197-204.
28. **Taylor DA**. (2001) Cellular Cardiomyoplasty with Autologous Skeletal Myoblasts for Ischemic Heart Disease and Heart Failure; *Curr Control Trials Cardiovasc Med*. 2(5):208-210. PMID: 11806797
29. Badylak SF, Grompe M, Caplan AI, Greisler HP, Guldborg RE, **Taylor DA**. (2002) In Vivo Remodeling: Breakout Session Summary; *Ann. N.Y. Acad. Sci.* Jun; 961:319-22. PMID: 12081929
30. Dai Q, Thompson MA, Phippen AM, Cherwek H, **Taylor DA**, Annex BH. (2002) Alterations in Endothelial Cell Proliferation and Apoptosis Contribute to Vascular Remodeling Following Hind-limb Ischemia in Rabbits; *Vasc Med*; May;7(2):87-91. PMID: 12402988
31. Dib N, Diethrich EB, Campbell A, Goodwin N, Robinson B, Gilbert J, Hobohm DW, **Taylor DA**. (2002) Endoventricular Transplantation of Allogenic Skeletal Myoblasts in a Porcine Model of Myocardial Infarction; *J Endovasc Ther.* Jun; 9(3):313-9. PMID: 12096946
32. **Taylor DA**, Hruban R, Rodriguez ER, Goldschmidt-Clermont PJ. (2002) Cardiac Chimerism As A Mechanism for Self-Repair: Does It Happen and If So to What Degree? *Circulation*. Jul; 106(1):2-4. PMID: 12093758
33. Warburton DE, Welsh RC, Haykowsky MJ, **Taylor DA**, Humen DP. (2002) Biochemical Changes As a Result of Prolonged Strenuous Exercise. *Br J Sports Med*. 2002; 36(4):301-3. PMID: 12145122
34. van den Bos EJ, Thompson RB, Wagner A, Mahrholdt H, Morimoto Y, Thomson LE, Wang LH, Duncker DJ, Judd RM, **Taylor DA**. (2003) Functional Assessment of Myoblast Transplantation for Cardiac Repair with Magnetic Resonance Imaging. *Eur J Heart Fail*. Jun; 7(4):435-43. PMID: 15921777
35. Rauscher FM, Goldschmidt-Clermont PJ, Davis BH, Wang T, Gregg D, Ramaswami P, Phippen AM, Annex BH, Dong C, **Taylor DA**. (2003) Aging, Progenitor Cell Exhaustion, and Atherosclerosis. *Circulation*. Jul 29; 108(4):457-63. PMID: 12860902
36. Baklanov DV, Peters KG, Seidel AL, **Taylor DA**, Annex BH. (2003) Neovascularization in Intimal Hyperplasia is Associated With Vein Graft Failure After Coronary Artery Bypass Surgery. *Vasc Med*. 8(3):163-7. PMID: 14989556
37. Thompson RB, Emani SM, Davis BH, van den Bos EJ, Morimoto Y, Craig D, Glower D, **Taylor DA**. (2003) Comparison of Intracardiac Cell Transplantation: Autologous Skeletal Myoblasts versus Bone Marrow Cells. *Circulation*. Sep; 108 Suppl 1:II264-71. PMID: 12970244
38. Van Den Bos EJ, **Taylor DA**. (2003) Cardiac Transplantation of Skeletal Myoblasts for Heart Failure. *Minerva Cardioangiologica*. Apr; 51(2): 227-43. PMID: 12783078
39. van den Bos EJ, Wagner A, Mahrholdt H, Thompson RB, Morimoto Y, Sutton BS, Judd RM, **Taylor DA**. (2003) Improved Efficacy of Stem Cell Labeling for Magnetic Resonance Imaging Studies by the use of Cationic Liposomes; *Cell Transplant*. 12(7):743-56. PMID: 14653621
40. Thompson RB, Parsa CJ, van den Bos EJ, Davis BH, Toloza EM, Klem I, Glower DD, **Taylor DA**. (2004) Video-assisted Thoracoscopic Transplantation of Myoblasts Into the Heart. *Ann Thorac Surg*. Jul; 78(1):303-7. PMID: 15223449
41. Tranquillo JV, Franz MR, Knollmann BC, Henriquez AP, **Taylor DA**, Henriquez CS. (2004) Genesis of the Monophasic Action Potential: Role of the Interstitial Resistance and Boundary Gradients. *Am J Physiol Heart Circ Physiol*. Apr; 286(4):H1370-81. PMID: 14656706
42. van den Bos EJ, Davis BH, **Taylor DA**. (2004) Transplantation of Skeletal Myoblasts for Cardiac Repair. *J Heart Lung Transplant*. Nov; 23(11):1217-27. PMID: 15539118
43. Thompson RB, van den Bos EJ, Davis BH, Morimoto Y, Craig D, Sutton BS, Glower DD, **Taylor DA**. (2005) Intracardiac Transplantation of a Mixed Population of Bone Marrow Cells Improves Both

- Regional Systolic Contractility and Diastolic Relaxation. *J Heart Lung Transplant*. Feb; 24(2):205-14. PMID: 15701439
44. He KL, Yi GH, Sherman W, Zhou H, Zhang GP, A, Kao R, Haimes H, Harvey J, Roos E, White D, **Taylor DA**, Wang J, & Burkhoff D. (2005) Autologous Skeletal Myoblast Transplantation Improved Hemodynamics and Left Ventricular Function in Chronic Heart Failure Dogs; *J Heart Lung Transplant*. Nov; 24(11):1940-9. PMID: 16297802
 45. Pedrotty DM, Koh J, Davis BH, **Taylor DA**, Wolf P, Niklason LE. (2005) Engineering Skeletal Myoblasts: Roles of Three-dimensional Culture and Electrical Stimulation. *AM J Physiol Heart Circ Physiol*. Apr; 288(4):H1620-6. PMID: 15550526
 46. van den Bos EJ, Thompson RB, Wagner A, Mahrholdt H, Morimoto Y, Thomson LE, Wang LH, Duncker DJ, Judd RM, **Taylor DA**. (2005) Functional Assessment of Myoblast Transplantation for Cardiac Repair with Magnetic Resonance Imaging. *Eur J Heart Fail*. Jun; 7(4):435-43. PMID: 15921777
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50. **Taylor DA.** (2011) Cell Therapy – A 21st Century Hope for Treating Cardiovascular Disease – A Five Year Retrospective and Predictive View; *Am Heart Hosp J.* Summer; 9(1):E24-7 PMID 21823072
51. **Taylor DA**, Perin EC, Willerson JT, Pepine CJ, Henry TD, Ellis SG, Zhao DX, Bolli R, Byrne BJ, Traverse JH, Penn MS, Hatzopoulos AK, Carlson MA, Wise E, Lai D, Baraniuk S, Cabreira-Hansen MG, Smith D, Moyer LA, Skarlatos SI, Simari RD, Cogle CR. (2012). Abstract 16354 - Improved Myocardial Function in Patients with Chronic Ischemic Heart Disease Treated with Transendocardial Delivery of Bone Marrow Mononuclear Cells Depends Upon Input Cell Phenotype and Function; *Circulation* 126: A16354.

D. Miscellaneous.

1. Mortinsen, Lori. Doris Taylor: Growing a Beating Heart. (2009) FarmingtonHills, MI: KidHaven Press.

COVER ART

Annals Biomed Eng 2007 Aug; 35(8).
World Stem Cell Summit, 2008

BOOKS

1. Dib N, **Taylor DA**, Diethrich EB. Stem Cell Therapy and Tissue Engineering For Cardiovascular Repair. New York: Springer, 2006.

PRESS RELATED TO WORK (selected)International

- 2013 (News) BBC News Science programme
- 2011 (TV) Discovery Channel “Through the Worm Hole with Morgan Freeman”
 BBC Horizon, BBC News Health, (News) National Post (**Canada**), The Independent (UK)
- 2010 (**Spain**) ABC Madrid, BBC Mundo, elPeriodico, EuropaPress Madrid, Expansion, Gente Digital, LaRazon, Noticias Medicas.es, Por Agencia EFE, Publico.es, Que.es, Tiempo (**France**) Science & Vie
- 2009 Oprah Winfrey, National Public Radio’s Fresh Air with Terry Gross, National Public Radio’s Speaking of Faith, Star Tribune, Forbes, US News Wire
 (**UK and Ireland**) BBC News, The Guardian, Irish Independent, New Scientist, Daily Mail
- 2008 (**Rest of World**) The Australian, Daily Times Monitor (Pakistan), El Pais (Spain)
 (**Newspapers & Magazines**) New York Times, Reuters
 (**UK and Ireland**) Daily Mail, Financial Times, Guardian, Independent, Irish Independent, Telegraph, The Mirror, The Times, This is London
 (**Rest of World**) 20 minutos, Brisbane Times, Calcutta Telegraph, China Daily, Courier Mail, Daily Telegraph, Daily Times, Diario Hoy, Die Zeit, El Comercio, El Nuevo Herald, El Pais, El Perodico, France24, Himalayan Times, Il Giornale, Il Messaggero, Kuwait Times, La Parisian, La Stampa, Melbourne Heralds Sun, New Straits Times, Publico, Science Centric, South African Star, South China Morning Post, Sunday Times, Sydney Morning Herald, Tegesspiegel, The Age, The Austrian, Times of India, Xinhua, Zee news
 (**Wires & Releases**) Reuters, UK; AFP, France; AGI, Italy; EFE, Spain; Reuters, South Africa
 (TV) BBC, TVNZ, New Zealand, CNN, 60 Minutes Australia, Der Spiegel, ABC News with Barbara Walters
- 2007 Bloomberg News Service (July 12, 2007) “Doris Taylor sees stem cell potential for heart repair”
- 2005 Business Week “Stem Cells, Minus the Furor”
- 2001 Business Week “Can This New Surgery Actually Revive a Dying Heart?” p. 67
- 1998 Reader’s Digest (December, 1998) “News of Medicine” p 48
 Nature Medicine Press Digest (August 3, 1998) “New Hope for Heart Attack Patients”
 SonntagsZeitung (August 16, 1998) “Hope for Infarct Patients”, Switzerland

Science News (August 15, 1998) "Grafted Muscle Cells Aid Damaged Hearts" p 102
 New Scientist (August 8, 1998) "Change of Heart" United Kingdom p 23
 Reuters North America (August, 1998) "Transplanted Cells PCould Help Heart Patients"
 The Daily Telegraph (August, 1998) "Leg Muscle Cells May Help Repair the Heart" London, England, p 9
 The Independent (August, 1998) "Surgeons Perfect Technique to Mend Heart Tissue" London, England
 UPI Science News (August 3, 1998) "Skeletal Muscle Beats in Rabbit Hearts"
 AP US & World Monday (August 3, 1998) "Heart Cells"
 UPI US & World (March 27, 1998) "Borrowed Biceps Muscle for Failing Hearts"
 The Times London: Foreign News (August 4, 1998) "Leg Muscle Kick-Start for Heart Patients" United Kingdom
 Elsevier Science (August 5, 1998) "Immature Muscle Cells Used to Strengthen Heart" online
 Heartbytes (August 10, 1998) "Making Your Heart Pump Iron" online

National

2013
 (Newspaper) Houston Chronicle Healthzone, (Newspaper & Magazine) Nature, (TV) 60 minutes, (Magazine) Delta Sky Magazine, (Newspaper) Wall Street Journal "Science Fiction Comes Alive as Researchers Grow Organs in Lab" March 22, 2013, p A1, (Magazine) National Geographic "Repairing and Replacing Body Parts: What's Next" April 15, 2013.

2012
 (Newspaper) Cleveland Plain Dealer newspaper "'Ghost heart,' a framework for growing new human hearts, could be answer for thousands waiting for new heart."

2011
 (TV) Nova ScienceNOW, (Magazine) National Geographic

2010
 (Newspapers & Magazines) FOX Business, Los Angeles Times, MedCity News (TV) CBS News
 (Web) Minnesota Public Radio, Positively Minnesota, Science Buzz, Cormatrix, LifeScience Alley, RepairStemCells.org

2009
 (Newspapers & Magazines), Star Tribune (Minneapolis), Time Magazine (Radio) National Public Radio's Speaking of Faith (TV) ABC News, CNN TV, PBS

2008
 (Newspapers & Magazines) Arizona Daily Star, Baltimore Sun, Chicago Tribune, Dallas Morning News, Denver Post, Edmonton Sun, Houston Chronicle, Indianapolis Star, Kansas City Star, Los Angeles Times, Miami Herald, Minneapolis Star Tribune, New Your Sun, New York Times, Newsday, Philadelphia Enquirer, Pioneer Press, San Francisco Chronicle, Seattle Times, Toronto Star, Wall Street Journal, Wyoming News
 (Wires and Releases) Associate Press, Bloomberg, Canadian Press, Scripps Howard News Service
 (Web) CBS News Canada; CBS News New York, Fox, MSNBC, NBC.com (TV) CNN, Channel 4, ABC News, Bloomberg, Good Morning America, Jay Leno monologue, David Letterman monologue (Radio) National Public Radio, Science Friday (NPR)

2003
 Minneapolis Tribune/ Associated Press, Minnesota Public Radio

1999
 News from the American College of Surgeons (October, 1999) "Genetically Engineered Muscle Cells Promote Blood Vessel Growth in Injured Heart and Skeletal Muscles"

- 1998 Technopolitics (February, 1998) PBS, Blackwell Corporation for Public Broadcasting, Washington, DC, Program No. 748
 The Dallas Morning News (1998) "A Powerful Package: Old Cells Can Do Incredible New Tricks, Scientists Find" p 8D
 CBS Evening News, "Duke Surgeons Perfect Technique to Mend Heart Tissue"
 CBS Evening News, (August 3, 1998) "New Approach to Treating Heart-Attack Involving Use of Cells from Another Part of the Body"
 CBS This Morning (August, 1998) "New Approach to Treating Heart Attack Damage Involving Use of Cells from Another Part of the Body" Reference: 980804
 ABCNEWS.com (August 7, 1998) "Heart Muscle Gets a Leg Up" online
 MSNBC Infoseek (August 3, 1998) "Transplanted Cells Could Help Heart Patients" online
 MS NBC Today's Headlines: Health (August 3, 1998) "Can Leg Cells Mend a Damaged Heart?" online
 NY Times.com (August 3, 1998) online
 The New York Times (August 11, 1998) "A Leg Up for the Heart"
 The Dallas Morning News (August 10, 1998) "Leg Muscle Cells Give a Kick to Rabbit Hearts on the Mend"

Local/Regional

- 2013 KRLD - Texas State Network, "Building human hearts with the shell of pig hearts.", Houston Chronicle Health Zone, "Saving lives with help from pigs and cells.", "Houston Chronicle "Todd Ackerman" September 13, 2013, Channel 13 News Houston, TX,
- 2012 Heart Watch Texas Heart Institute Magazine, "Texas Heart Institute Recruits a Leading Regenerative Medicine Scientist. "
- 2011 KARE 11 News, Twin Cities Metro Magazine, Minneapolis St. Paul Business Journal
- 2010 KARE 11 News, KSTP News, MPR (Minnesota Public Radio), Minneapolis/St. Paul Business Journal, Star Tribune (Minneapolis)
- 2009 FOX 9 News, Minneapolis Star Tribune
- 2008 Minneapolis Star Tribune, St Paul Pioneer Press, KSTP Television, KARE 11 News, FOX, Minnesota Public Radio
- 2007 KSTP television (NBC local affiliate) "Re-growing damaged hearts." Heart Alert segment
- 2006 UMN Pictures of Health, "A new horizon for heart repair: U researchers robotically implant stem cells to improve damaged pigs' hearts and raise human hopes." Minnesota Daily "NIH Grant will create research network." Twin Cities Business Monthly "Stem cell central: The University of MN is a world leader in stem cell research. Will the state also lead in product development?"
- 2005 Minneapolis Star Tribune newspapers "Will stem cells be able to repair human hearts?" Minnesota Monthly Magazine "10 Minnesotans Who are Changing Our World" Minneapolis Tribune "Walter Mondale: medical research is one smart investment for state" UMN News/ *eNews* "On the Mend" UMN News/ *M* "New U Researcher seeks novel treatments for cardiovascular disease"
- 2004 Minnesota Magazine "Out of the Lab, Into the World"; "Growing new heart cells" Minneapolis Tribune "U" professor a pioneer in cell therapy" Minneapolis Tribune "Medtronic pumps cash into new joint venture"

1997 U of MN, Medical School Dean's Report "Engines of Promise"
 Profile, Pennsylvania Biotechnology Association Newsletter, "Your World:
 Biotechnology & You"

INVITED PRESENTATIONS

International

- International Symposium, The 4rd School for Young Scientists "Tissue and Organ' Regeneration" (December 2013) "Cells for Prevention Treatment and Cure of CVD? How Long Will it Take What Can We Learn Along the Way?" Krasnodar, Russia.
- Transforming Transplantation The Expert Summit 2013 (November 2013) "Workshop 7 Stem Cell Technology or Artificial Organs: Which Route Promises the Most Hope for the Future?" Madrid, Spain.
- Top Ten in Cardiology, Second Edition (October 2013) "Cardiac Regeneration: Evidence Based Hopes and Solid Achievements." Lausanne, Switzerland.
- 10th International Symposium on Stem Cell Therapy and Cardiovascular Innovation (June 2013) "Pitfalls of Cardiac Stem Cell Therapy. The Emergent Role of Tissue Engineering and Organ Manufacturing." Madrid, Spain.
- ESC Congress 2012 (August 2012) "Complete Cardiac Regeneration from Stem Cells: When Will We Get There?" Munich, Germany.
- 2nd National Congress of the Spanish Society of Transplantation (June 2012) "Rebuilding of Autologous Organs." Madrid, Spain.
- British Pharmacological Society Stem Cells: Pharmacology and Therapeutics Meeting (December 2011) "Engineering Cell Based Solutions for Cardiovascular Diseases." London, UK.
- Annual Research Day in Transplantation, (December 2011) "Bioartificial Organs: Cure for the 21st Century." Toronto, Canada.
- Annual Symposium (September 2011) "Building Solutions for Heart Failure: Cells, Genes, and Organs." Oslo, Norway.
- International Symposium on SCT and Cardiovascular Innov (June 2011) "The Problem of End Stage Left Ventricular Dysfunction. Is Bioartificial Heart the Answer?" Madrid, Spain.
- British Society for Heart and Lung Transplantation (April 2011) "Building Matrix Based Solutions for Disease: An Update." Bristol, UK.
- Meeting with Medical Experts in Cardiovascular Medicine (November 2010) "Stem Cell Based Bioartificial Organs for Transplantation." Hospital Gregorio Marañón, Madrid, Spain.
- International Congress of Transplantation (August 2010) "Innovations in Regenerative Medicine" & "Advances in Regenerative Biology and Biogenesis." Vancouver, Canada.
- Frontiers in Cardiovascular Biology (July 2010) "Estrogen Effects in Stem Cell Function." Berlin, Germany.
- 4th Congress of the International Society for Gender in Medicine (November 2009) "Sex and Estrogens in Stem Cell Function." Berlin, Germany.
- Organization for the Study of Sex Differences 2009 Annual Meeting (June 2009) "Sex-based Differences in Vascular Repair with Stem Cells." Toronto, Canada.
- The First EACTS meeting on Cardio-Thoracic Regeneration (November 2008) "Are Bioartificial Organs A Piece of the future?" Bern, Switzerland.
- EACTS-Technology College (September 2008) "Mechanical Circulatory Support" Lisbon, Portugal.
- Heart Failure Society 12th Annual Scientific Meeting (September 2008) "The Bioartificial Heart" Toronto, Canada.

- 5th International Symposium on Stem Cell Therapy (April 2008) “The Next Step of Stem Cell Therapy: What Do We Expect Next Year – My Preclinical View.” Madrid, Spain.
- Foundation Lefoulon-Delalunde Grand Prix (April 2008) “Eugene Badmaidi Seppo YLA Hertulluala.” Paris, France.
- 9th Servier IGIS Symposium (March 2008) “Cell Therapy in Cardiology.” St Jean Cap Ferrat, France
- 20th Annual Scientific Meeting- “Challenging the Frontiers in CVD” (March 2008) “Bringing the Promise of Stem Cell Therapy Closer to Reality.” Singapore.
- International Symposium on Translational Research of Cardiovascular Diseases (February 2008) “From Cell to Tissue. Cell-based Prevention, Treatment, and Cure for Cardiovascular Disease.” Madrid, Spain.
- 4th Symposium on Stem Cell Therapy & Applied Cardiovascular Biology (April 2007) “From the Cell to the Tissue. “Lights and Shadows of Stem Cell-based Cardiovascular Repair. A Preclinical View” and “Preclinical Stem Cell Investigation. What to Translate Immediately to the Bedside?” Madrid, Spain.
- Stem Cell Therapy for the Failing Heart (December 2006) “Cell Therapy for Heart Failure: Muscle, Bone Marrow, Blood, and Cardiac-Derived Stem Cells.” “Update Results of Skeletal Myoblast Transplantation.” Bangkok, Thailand.
- 3rd International Symposium on Gene and Stem Cell Therapy for Heart Failure and Other Cardiovascular Diseases (April 2006) “Embryonic-like Stem Cells from Adult Heart can contribute to Repair” and “Future Perspectives in Gene and Stem Cell Therapy for Cardiovascular Repair.” Valladolid, Spain.
- Indian Council of Medical Research (October 2006) “Stem Cell Research: Science amid Controversy.” New Delhi, India.
- The 11th Congress of the International Society for Peritoneal Dialysis (ISPD 2006) (August 2006) “Stem Cell Therapies: A View from the Trenches and Implications for PD Patients.” Hong Kong.
- Society of Nuclear Medicine 52nd Annual Meeting (June 2005) “Overview of Cardiac Stem Cells.” Toronto, Ontario Canada.
- 2nd International Symposium on Gene and Stem Cell Therapy for Cardiovascular Diseases (April 2005) “Myoblasts Versus Bone Marrow-derived Stem Cells for Cardiac Repair.” Valladolid, Spain.
- Ernst Schering Research Foundation Workshop (October 2004) “The Promises and Challenges of Regenerative Medicine.” Osaka, Japan.
- International New Cardiovascular Technology Congress (September 2004) “How to Build a New Heart With Cells? Growth Factors versus Cells!” Quebec, Canada.
- August XVIII World Congress Intl Soc for Heart Research (August 2004) “Cell and Gene based Treatments for Heart Failure: Where Are We?” Brisbane, Australia.
- Cardiac Tissue Repair, Cell Transplant & Growth Factors (June 2004) “Comparison Between Skeletal Muscle Cells and Bone Marrow Cells for Cardiac Transplant. Clinical Trials and Results of Skeletal Muscle Cell Implantation for Cardiac Repair. Progenitor Cells to Prevent Atherosclerosis and Vascular Injury. ” Sirmione, Italy.
- 10th International Local Drug Delivery Meeting (February 2004) “Which Cells: Skeletal Myoblasts for Myogenesis; Prevention of Restenosis with Stem Cells.” Geneva, Switzerland.
- ISHLT 23rd Annual Meeting and Scientific Sessions (April 2003) “Heart Failure: Who Needs Drugs Anyway?” Vienna, Austria.
- 9th Int’l Local Drug Delivery Meeting and Cardiovascular Course on Radiation and Molecular Strategies (January 2003) “Clinical Trials in Myogenesis. ” Geneva, Switzerland.
- First Berlin Symposium (November 2002) “Skeletal Myoplast Transplantation.” Berlin, Germany.
- European Society of Cardiology (September 2002) “From Small To Large Animals: Models For Functional Evaluation Of Cell Transplantation.” Berlin, Germany.

- ISACB 8th Biennial Meeting (March 2002) “Cellular Cardiomyoplasty.” Geneva, Switzerland.
- International Local Drug Delivery Meeting (January 2002) “Delivery of Skeletal Myoblast.” Geneva, Switzerland.
- Paris Course on Revascularization (May 2001) Paris, France.
- International Society for Heart and Lung Transplantation (March 2001) Plenary Lecture, Vancouver British Columbia, Canada.
- 4th Annual Scientific Meeting of the Japanese Heart Failure Society (October 2000) “The Status of Transplanting Cells for Cardiac Repair.” Tokyo, Japan.
- 22nd Congress of the European Society of Cardiology (August 2000) “Functional Improvement of Injured Rabbit and Pig Myocardium Following Skeletal Myoblast Transplantation.” Amsterdam, the Netherlands.
- 2nd International Meeting of Pathophysiology of Stunning, Hibernation and Preconditioning (October 1998) Taormina, Sicily.
- 28th Annual Course in Cardiac Surgery (May 1997) Cellular Cardiomyoplasty, Imperial College of Science Technology, and Medicine. London, UK.
- International Society of Heart Research (1996) North American Session XVIII Annual Sessions, “Can Myoblast Transfer Alter Function in Infarcted Rabbit Heart?”
- International Society of Heart Research, (1995) North American Session XVII Annual Sessions, “Myoblast Transfer and Myoblast Mediated Gene Therapy in Rabbits.”

National

- AHA’s Scientific Sessions 2013 (November 2013) “Recellularized Tissues (Control#: 6283).” Dallas, TX.
- AHA’s Scientific Sessions 2013 (November 2013) “Cell and Tissue Engineering Therapies for Heart Failure (Poster Professor).” Dallas, TX.
- AHA’s Scientific Sessions 2013 (November 2013) “Matrix as a Mediator of Cardiac Myogenesis: Driving in Vivo Repair (Control#: 4085).” Dallas, TX.
- 24th Annual North American Menopause Society (October 2013) “Sex Differences in Cardiovascular Disease and Repair.” Dallas, TX.
- Cell Society 3rd Annual Clinical Meeting A Course in Regenerative Medicine (September 2013) “Building Cardiovascular Solutions for Transplantation.” Coronado, CA.
- Cell Society 3rd Annual Clinical Meeting A Course in Regenerative Medicine (September 2013) “Moderator Panel: Revamping Phase II Trial Design: How Should It End?” Coronado, CA.
- Cell Society 3rd Annual Clinical Meeting A Course in Regenerative Medicine (September 2013) “Moderator Panel: Are Any Regenerative Cell Therapies Ready for Clinical Use?” Coronado, CA.
- National Heart, Lung, and Blood Institute Bio-Artificial Heart Working Group (May 2013) “Bio-Artificial Heart Where Are We Now.” Bethesda, MD.
- American Society of Gene & Cell Therapy 16th Annual Meeting (May 2013) “Personalizing Cell Therapy: Initial CCTRN experience.” Salt Lake City, Utah
- ARM Annual Dinner and Legislative Fly-in (May 2013) “The Heart of Discovery.” Washington, DC.
- Experimental Biology (April 2013) “Cell Based Solutions for Cardiovascular Disease.” Boston, MA.
- THI Future Direction of Stem Cells in Cardiovascular Disease (March 2013) “Regenerating Heart: How Long Will it Take.” San Francisco, CA.
- AAAS 2013 Annual Meeting (February 2013) “Discussant - Stem Cells Based Bioartificial Tissues and Organs.” Boston, MA.
- 8th World Stem Cell Summit (December 2012) “Stem Cell Science - Bioengineering and Disease Correction.” West Palm Beach, FL.

- 2012 AHA Scientific Sessions (November 2012) “Bench to Bedside Translation of Cell Therapy for Heart Failure.” Los Angeles, CA.
- AHA/DeHaan Cardiac Myogenesis Research Centers Annual Center Network Meeting (November 2012) “Update on matrix as a test bed and therapeutic.” Los Angeles, CA.
- AHA/DeHaan Cardiac Myogenesis Research Centers Annual Center Network Meeting (November 2012) “Summary of Scientific Retreat, Exhibit 3.” Los Angeles, CA.
- Future Direction of Stem Cells in Cardiovascular Disease (November 2012) “Building Autologous Biologic Solutions for Injured Heart.” Los Angeles, CA.
- CCTRN Steering Committee Meeting (October 2012) “Biorepository Progress and Future Directions.” Miami, FL.
- 11th NJ Symposium on Biomaterials Science (October 2012) “Decellularized Tissues and Organs as Bioactive Materials.” New Brunswick, NJ .
- Controversies and Advances in the Treatment of Cardiovascular Disease (September 2012) “Organ Engineering.” Beverly Hills, CA.
- Mayo Biological Valve Symposium (September 2012) “Role of Decellularization in Bioengineering.” Rochester, MN.
- Basic Cardiovascular Sciences 2012 Scientific Sessions (BCVS 2012) (July 2012) “Re-cellularization of Hearts.” New Orleans, LA.
- New York Cardiovascular Symposium (December 2011) “Stem Cell based Heart Replacement Status of the Taylor Heart.” New York, NY.
- American Heart Association (November 2011) “Building Vascularized Myocardium” Orlando, FL
- Tarantal Symposium (November 2011) “Building Hearts: Tissue Engineering as a Solution to Cardiovascular Disease.” Sonoma, CA
- American Physiological Society Conference (October 2011) “From Stem Cells and Cadaveric Matrix to Engineered Organs.” Jackson, MS
- NIH Critical Makers of Disease 9th Annual Biomarkers Meeting (September 2011) “From Stem Cells and Cadaveric Matrix to Engineered Organs.” White Oak, MD
- Stem Cells and Cell Therapies in Lung Biology and Diseases (July 2011) “Developing Biologically Active Scaffolds for Regeneration and Repair.” Burlington, VT
- American Association for Clinical Chemistry Annual Meeting & Clinical Lab Expo. Plenary Session (July 2011) “Stem Cells, Decellularization and the Future of Bldg. Organs.” Atlanta, GA
- Gordon Research Conferences, Assisted Circulation (June 2011) "Engineering Functional Complex Human Tissues and Organs: Can we Rise to the Challenge of Building Human Hearts?" Waterville Valley, NH
- Society of Cardiovascular Anesthesiologists (May 2011) "Is it Possible to Create a New Heart?" Savannah, GA
- American Transplant Congress (May 2011) “Rebuilding Autologous Organs: Cells, Scaffold, Organ.” Philadelphia, PA
- Heart Rhythm Society (May 2011) "New Approaches to Cardiac Regeneration: Engineering a Bioartificial Heart." San Francisco, CA
- 8th International Symposium on Engineering Tissues and Organs (May 2011) “Complex Organ Matrix: It’s Role in Organogenesis.” Ann Arbor, MI
- American College of Cardiology ACC.11 & i2 Summit/Scientific Sessions (April 2011) "Insights and New Directions in Cellular Therapy and Tissue Engineering." and "Building Solutions for Cardiovascular Disease: An Update." New Orleans, LA
- International Society for Heart & Lung Transplant (April 2011) "Is There a Future for Engineered Heart and Lung." San Diego, CA

- Cedars-Sinai Heart Institute, 5th Annual Women and Ischemic Heart Disease Symposium “Sex Differences in Regenerative Cardiac Therapies” (April 2011) Los Angeles, CA
- Grand Rounds, University of South Florida (March 2011) “Healthy aging: a personalized view of regenerative medicine.” Tampa, FL
- Loyola University Seminar Series (March 2011) “Building Solutions for Cardiovascular Repair: Where are we in 2011?” Chicago, IL
- Keystone Symposia (February 2011) “Cells, Molecules and Matrix: New Tools for Regeneration.” Keystone, CO
- Florida Hospital’s Dr. Lawrence McBride Memorial Lecture (January 2011) “The State of Cardiac Regeneration and Repair: A Tribute to Innovation.” Orlando, FL
- University of South Florida Grand Rounds (January 2011) “Use of Stem Cells for Health, Tissue Repair and Organogenesis.” Tampa, FL
- Mayo Transplant Grand Rounds (January 2011) “Organ Matrix as a Tool for Engineering Transplantable Organs.” Rochester, MN
- American Heart Association Scientific Sessions 2010 (November 2010) "Update on Tissue Engineering: What's Growing?" Chicago, IL.
- American Heart Association Scientific Sessions 2010 (November 2010) “Heart Failure: Emerging Imaging Modalities, Strategies and Therapies." Chicago, IL.
- FDA Regenerative Medicine Seminar Series (November 2010) “Strategies for Cardiac Regeneration.” Silver Spring, MD.
- Grand Rounds, University of Colorado (October 2010) “Using Cells to Prevent, Treat, and Possibly Cure CVD.” Denver, CO.
- 10th NJ Symposium on Biomaterials Science (October 2010) “The Pros of Scaffolds Derived from Living Tissue.” New Brunswick, NJ.
- New Jersey Heart Symposium (October 2010) "Building New Solutions for Cardiovascular Disease: Engineering Tissues and Organs." New Brunswick, NJ.
- Heart Failure Society 14th Annual Scientific Meeting (September 2010) "Decellularized Natural Matrix for Cardiac Organ Engineering." San Diego, CA.
- University of Southern California (August 2010) "Translating Stem Cells for the Prevention, Treatment and Cure of Cardiovascular Disease.” Los Angeles, CA.
- Albert Einstein College of Medicine Seminar (May 2010) "From Cells to Organs: Cardiovascular Repair in 2010." New York, NY.
- Texas Children’s Hospital (February 2010) "New Hearts from Old Cells: Building Bioartificial Hearts." Houston, TX.
- Keystone Symposia (February 2010) "Cardiovascular Development and Repair." Keystone, CO.
- CorMatrix ancillary meeting to Society of Thoracic Surgeons (January 2010) "Whole Organ Matrix: A Superior Scaffold." Fort Lauderdale, FL.
- Grand Rounds, Cedars-Sinai (January 2010) “Sex Differences in Stem Cells.” Los Angeles, CA.
- American Heart Association Scientific Sessions 2009 (October 2009) “Translational Science: Biorepositories.” Orlando, FL.
- American Heart Association Scientific Sessions 2009 (October 2009) “Rebuilding the Heart: One Cell at a Time.” Orlando, FL.
- American Heart Association Scientific Sessions 2009 (October 2009) “Cellular Therapy for Heart Failure: Is Significant Progress Being Made?” Orlando, FL.
- Texas Heart Institute (October 2009) “Cells for the Treatment, Prevention and Cure of Cardiovascular Disease.” Orlando, FL.
- 1st Annual Cell Therapy Industry Summit (October 2009) “Expanding your business with novel cell therapy platforms.” Carlsbad, CA.

- Baylor University Medical Center. Organ Transplantation: Visions of the Past, Present, and Future. Conversations With Organ Transplant Luminaries, (October 2009) “Regenerative Medicine: Growing Livers and Beyond.” Dallas, TX.
- Transcatheter Cardiovascular Therapeutics Conference (September 2009) “Tissue Constructs and Resident Stem Cells” San Francisco, CA.
- World Stem Cells Summit (September 2009) “Molecular Cardiology Breakthroughs.” Baltimore, MD.
- Gordon Research Conference (September 2009) “Bio-artificial Recovery.” Waterville, NH.
- Gordon Research Conference (July 2009) “Smart Scaffolds: What Does it Take to Build an Organ?” Plymouth, NH.
- International Liver Transplant Society “Growing Livers and Regenerative Medicine: Stems Cells and Beyond.” New York, NY.
- AdvaMed (June 2009) “Bio-organogenesis: Tool or Therapy?” Washington, DC.
- Wisconsin Student Choice (May 2009) “Cells for the Prevention, Treatment, and Cure of Cardiovascular Disease.” Milwaukee, WI.
- Texas Heart ACC (March 2009) “Cells for the Treatment, Prevention and Cure of Cardiovascular Disease.” Orlando, FL.
- Keystone Symposia (March 2009) “The Power of Engineering Organs: When Cells Aren’t Enough.” Asheville, NC.
- Society of Thoracic Surgeons First Inaugural Lillehei Keystone Lecture (January 2009) “Bioartificial Heart: A New Use for Old Cells.” San Francisco, CA.
- The Texas Medical Center Cardiovascular Regeneration Seminar Series and Workshop (December 2008) “Tissue Engineering for the Bioartificial Heart.” Houston, TX.
- Future Direction of Stem Cells in Cardiovascular Disease (November 2008) Satellite Conference at the American Heart Association “Tissue Engineered Myocardium.” New Orleans, LA.
- Transcatheter Cardiovascular Therapeutics Conference (October 2008) “Gender Matters: Sex Based Differences in Cardiovascular repair with Bone Marrow Cell Therapy.” Washington DC.
- Allegheny General Hospital Heart Failure Conference (September 2008) “The Bioartificial Heart.” Pittsburgh, PA.
- UCLA Conference on Aging (June 2008) “Tissue Engineering and Regenerative Medicine.” Los Angeles, CA.
- ASAI0 (June 2008) “Cardiac TE Step 1: Using Nature’s Platform to Engineer a Bioartificial Heart.” San Francisco, CA.
- Meharry Medical College (May 2008) “Cell Therapy: A 21st Century Tool For Cardiovascular Disease.” Nashville, TN.
- American College of Cardiology 57th (March 2008) Annual Scientific Session “Bioartificial Heart Generation: Using Nature’s Platform.” Chicago, IL
- International Society for Cardiovascular Translational Research (February 2008) “Cell: What Matters for Prevention, and Cure for Cardiovascular Disease.” San Diego, CA.
- University of California, San Diego Grand Rounds “On Going Cell Therapy Trials.” San Diego, CA.
- CRT 2008 (February 2008) “Creating an Autologous Bioartificial Whole Heart with Stem Cells.” Washington DC.
- Keystone Symposia (January 2008) Pathological and Physiological Regulation of Cardiac Hypertrophy, “Building a Heart from Matrix and Cells.” Copper Mountain, CO.
- Georgia Tech-Emory University (January 2008) “Sex Differences in Cell Therapy for Vascular Disease” and “Using Cells to Prevent, Treat, and Cure Cardiovascular Disease.” Atlanta, GA.

- American Heart Association Scientific Sessions 2007, (November 2007) Cardiovascular Seminar – Tissue Engineering Therapy for Cardiovascular Disease; “The Myocardial Patch for Injured Myocardium.” Orlando, FL.
- Transcatheter Cardiovascular Therapeutics (TCT), Molecular Cardiology Breakthroughs: Cell Therapy and Angiogenesis (October 2007) “Endogenous Cardiac Progenitor Cells.” Washington, DC.
- 2007 Innovations in Heart Failure and Pulmonary Hypertension (September 2007) “Cell Therapy in Heart Failure.” Gerald McGinnis Cardiovascular Institute, Allegheny General Hospital, Pittsburgh, PA.
- Penn Cardiovascular Institute Seminar Series (September 2007) “Cells for Prevention, Treatment and Cure of Cardiovascular Disease” University of Pennsylvania, Philadelphia, PA
- Gordon Research Conference on Assisted Circulation (August 2007) Mechanical Circulatory Support Big Sky, MT.
- Stanford Cardiovascular Institute (July 2007) “Progenitor cells in heart and vasculature: emerging tools in endogenous repair” and Cardiovascular Grand Rounds lecture, “Cell therapy for CVD: from prevention to cure?” Stanford University, Stanford, CA.
- AHA, American Heart Association’s 4th Symposium on the Burden of Atherothrombotic Disease: Diagnosis and Therapy (June 2007) “The relationship between gender and cells in atherosclerosis protection.” New York, NY.
- Bio 2007 International Convention (May 2007) Panel presentation: “Stem Cells and Therapeutics – Business Case, Patent Issues and Competitive Strategies.” Boston, MA.
- Cardiovascular Revascularization Therapies (CRT) 2007 Science (April 2007) “Creating an Autologous Bioartificial Whole Heart with Stem Cells” and “Reversal of Atherosclerosis with Stem Cell Therapy.” Arlington, VA.
- American College Cardiology 56th Annual Scientific Session (March 2007) “Human Embryonic Stem Cell Therapy.” New Orleans, LA.
- University of Miami (January 2007) “Stem Cells and CVD: From Vascular Repair to Organ Regeneration.” Miami, FL.
- 3rd Annual International Conference on Cell Therapy for Cardiovascular Disease (January 2007) “Cardiac Progenitor Cell Sources: Assessing Biology and Function.” New York, NY.
- The 5th Gene Therapy Gene Symposium (November 2006) “Treating the Continuum of CVD: From Cell-Based Prevention to Cardiac Regeneration.” Durham, NC.
- Science Innovation Synergy (SIS) (July 2006) “Intrinsic Mechanisms of Vascular Repair.” Bellevue, WA.
- Oregon Chapter of the American College of Cardiology (May 2006) “Stem Cell Therapy for Congestive Heart Failure – Is this the future, and if so, when?” Portland, OR.
- BIO 2006 Annual International Convention (April 2006) “Overview of Adult Cellular Therapies: Questions and a View From the Trenches.” Chicago, IL.
- Cardiovascular Revascularization Therapies (CRT) 2006 Science (April 2006) Vulnerable Plaque Summit: “Reversal of Atherosclerosis with Stem Cell Therapy” and Angiomyogenesis and Cell Therapy Session: “Creating an Autologous Bioartificial Whole Heart with Stem Cells.” Arlington, VA.
- International Society for Applied Cardiovascular Biology (ISACB) 10th Biennial Meeting (March 2006) “Cells, Genes and Tissues: The Future of Cardiac Repair.” LaJolla, CA.
- American College of Cardiology 55th Annual Scientific Session (ACC 2006) (March 2006), Co-Chair Session “Cell Therapy: What the Clinician Should Know.” Atlanta, GA.
- Global Advisory Board Meeting sponsored by Cordis Corporation’s Biologics Delivery System (March 2006) Atlanta, GA.

- Inaugural Meeting of the International Society for Genomics, Proteomics, and Cellular Therapy (ISGPC) (February 2006) Session 3: “Cell Therapy: Past, Present and Future” and Session 5: “Cell-Based Repair: Putting Vascular into Cardiovascular.” Scottsdale, AZ.
- The Second International Conference on Cell Therapy for Cardiovascular Diseases, Cardiovascular Research Foundation (January 2006) “Atherosclerosis: A Target for Cell-Based Therapies.” New York, NY.
- American Heart Association Scientific Sessions 2005 (November 2005) Moderate “Stem Cell Therapy for Acute Myocardial Infarction” and moderate “Cardiac Regeneration/Cellular Therapy III.” Dallas, TX
- International Society for Heart and Lung Transplantation 7th Fall Education Meeting – Mechanical and Biological Cardiac Support: *Recovery, Replace, and Repair with Cellular Therapy*. (November 2005) “Myoblast Cellular Therapy.” Dallas, TX.
- National Parent Club Canine Health Conference (October 2005) “Cell Therapy for Cardiovascular Disease: Is it Real and What Does it Mean?” St. Louis, MO.
- University of Texas at Austin, Department of Biomedical Engineering *Distinguished Speaker Series* (October 2005) “Cell Based Cardiac and Vascular Repair: Science or Science Fiction?” Austin, TX.
- Transcatheter Cardiovascular Therapeutics (TCT), Cardiovascular Research Foundation; (October 2005) “Glimpse of the Future: Cell Therapy in 2010.” Washington, DC.
- University of Louisville Cardiology Grand Rounds *Distinguished Speaker* (September 2005) “Cell-Based Cardiac and Vascular Repair: What Does It All Mean?” Louisville, KY.
- Gordon Research Conference on Assisted Circulation (August 2005) Undifferentiated Stem Cell Transplantation. Big Sky, MT.
- Keystone Symposium Molecular Biology of Cardiac Diseases and Regeneration (D2-2005) (April 2005) “Putting Vascular Back into Stem Cell Based Cardiovascular Repair.” Steamboat Springs, CO.
- University of California, Davis. Cardiovascular Division, Department of Medicine (April 2005) “Cell Based Cardiac and Vascular Repair: What Does the Near Future Hold?” Davis, CA.
- Texas Heart Institute, Stem Cell Therapy Symposium (May 2005) “Myoblast Versus Bone Marrow Derived Cells for Cardiac Repair; New Perspectives on EPCs.” Ponte Vedra Beach, FL.
- Cardiovascular Revascularization Therapies (CRT) 2005 (March 2005) Overview of Studies Suggesting that Progenitor Cells Might Exert Either Pro or Anti-atherogenic Effects. Washington, DC.
- 20th Annual Interventional Cardiology 2005 (March 2005) “Cell Therapy – Sorting it All Out.” Snowmass, CO.
- NIH Biomedical Imaging Research Opportunities Workshop III (March 2005) “Imaging Stem Cell Trafficking - Physiological Perspective.” Bethesda, MD.
- ACC American College of Cardiology Foundation 54th Annual Scientific Session (March 2005) “Cells Lines and Genes: What Is Most Promising? Myoblasts.” Orlando, FL.
- Tissue Engineering International Congress XVIII (February 2005) “Skeletal Myoblast Preclinical studies: Safety & Efficacy, Myoblast Versus Bone Marrow.” Scottsdale, AZ.
- Cell Transplant Society 7th Congress (November 2004) “Skeletal Myoblast Rx.” Boston, MA.
- TCT 2004 (September 2004) “Does Angiogenesis Mediate Cell Therapy for Myocardial Regeneration?” Washington, DC
- Selecting the Optimal Targets & Cell Lines for Myocardial Repair: Angiogenesis vs. Myogenesis. Washington, DC.
- NHLBI Symposium on CV Regenerative Medicine (September 2004) “Pre-clinical Experience with Skeletal Myoblast Transfer.” Bethesda, MD.
- NASPE Heart Rhythm 2004 (May 2004) “Stem Cells - Do They Electrically Integrate?” San Francisco, CA.

- CRT 2004 (April 2004) Talk: "Aging, Cell Therapy, and Atherosclerosis." Washington, DC.
- Tissue Biology & Regenerative Medicine AAA Experimental Biology (April 2004) "Cardiac Transplantation of Skeletal Myoblasts for Heart Failure." Washington, DC.
- Cardiovascular Cell & Gene Therapy Conference II (April 2004) "Progenitor Cell Transplantation into Injured Myocardium: How Do They Cause Repair?" Boston, MA.
- Georgia Institute of Technology, 8th Annual Hilton Head Workshop (March 2004) "Cell Therapy for Cardiac and Vascular Repair: When, Where, What, and Why?" Hilton Head, SC.
- Univ. Pennsylvania Health Systems Grand Rounds (February 2004) "Myoblasts or Marrow: Which Cells for Cardiovascular Repair?" Philadelphia, PA.
- Transcatheter Cardiovascular Therapeutics (September 2003) "Autologous Skeletal Myoblasts and Other Cell Lines: Radiologic and MRI Tracking of Their Fate and Function *in vivo*." Washington, DC.
- Gordon Research Conference (September 2003) "Skeletal Myoblasts for Cardiac Repair: How do we think they work?" Big Sky, MT.
- Advanced Cardiovascular Interventions (June 2003) "New Results of Clinical Trials in Cardiomyogenesis within Infarct Scars: Effect on LV Function and Survival." Hilton Head, SC.
- NIH Stem Cell Focus Group (July 2003) "Cell Therapy for Cardiovascular Repair: Where are we?" Bethesda, MD.
- American Society of Gene Therapy (June 2003) "Cell Transplantation for Cardiac Repair: Where are We?" Washington, DC.
- Sarnoff Endowment (May 2003) "Cell Therapy for Vascular Injury: Will it Work?" Washington, DC.
- ASPET-Great Lake Chapter/Mississippi (May 2003) "Progenitor Cells for Cardiac Repair: How Do They Work?" Chicago, IL.
- American Cardiology Conference (March 2003) "Angiogenesis/Stem Cell: Where are we in 2003?" Chicago, IL.
- ETG 2003 (March 2003) "Skeletal Myoblasts for Myogenesis: How does it work?" Pittsburgh, PA.
- Cell Transplant Society (March 2003) "Plenary Session X:Cell Transplantation in the Heart." Atlanta, GA.
- 12th Annual Cardiology Conference (February 2003) "Myogenesis: An Alternative to Transplant." Beaver Creek, CO.
- American Society of Transplantation (February 2003) "Skeletal Myoblast for Cardiac Repair". Naples, FL.
- CHF Symposium (February 2003) "Stem Cell Transplantation in Myocardial Regeneration." San Antonio, TX.
- CRT 2003 (January 2003) "Skeletal Myoblasts: The First Cell Type for Cardiac Repair." Washington, DC.
- 14th Annual Cardiovascular Disease Symposium (December 2002) "Cellular Cardiomyoplasty: A Novel Therapy for Heart Failure." Toledo, OH.
- Therapeutic Horizons in Heart Failure (December 2002) "Skeletal Muscle Cells for Cardiac Repair." LaJolla, CA.
- AHA Scientific Sessions (November 2002) "Cell Growth: Is Myocyte Transplantation the Answer?" Chicago, IL.
- TCT 2002 (September 2002) Case Study – "Progress Toward Functional Myogenesis in Humans: I. Cardiac Regeneration After Myoblast." Washington, DC.
- Heart Failure Society of America (September 2002) "Why Grafting Works (Is Myogenesis Required?)." Boca Raton, FL.
- International Academy of Cardiology (July 2002) "Myoblast Therapy for Cardiac Repair: The State of the State." Washington, DC.

- American College of Cardiology Fiesta (April 2002) “Skeletal Muscle Cell Implants: Current Clinical Results and New Trials.” San Antonio, TX.
- Cardiovascular Cell and Gene Therapy Conference (April 2002) “Cell Therapy for Cardiac Repair.” Boston, MA.
- International Society of Heart and Lung Transplantation (April 2002) “The Use of Autologous Skeletal Myoblasts and Marrow Derived Stem Cells for Myocardial Regeneration and Repair.” Washington, DC.
- Interventional Cardiology 2002 (March 2002) Angiogenesis. Snowmass, CO.
- Duke University Medical Families Weekend, (March 2002) Repairing the Injured Heart with Stem Cells: Fact or Science Fiction? Durham, NC.
- Cardiovascular Radiation Therapy VI and Restenosis (February 2002) “Myogenesis for Cardiac Repair.” Washington, DC.
- Scientific Sessions of the American Heart Association (November 2001) “Genetically Engineered Myoblasts Survive Allogeneic Transplant into Myocardium.” Anaheim, CA.
- Angiogenesis and DMR 2001 (June 2001) “Myogenic Cells for Cardiac Repair: Preclinical Update and Early Clinical Status.” Washington, DC.
- NIH BECON Conference (July 2001) *In Vivo* Remodeling Panel. Bethesda, MD.
- Medical Grand Rounds (March 2001) Massachusetts General Hospital, Boston, MA.
- Techvest LLC Second Annual Tissue Repair Conference (November 2000) New York, NY.
- 3rd Annual Pre-AHA Angiogenesis Mini-Summit Meeting (November 2000) New Orleans, LA.
- University of Alabama at Birmingham (November 2000) Cardiology Grand Rounds, Birmingham, AL.
- Transcatheter Cardiovascular Therapeutics 2000 (October 2000) Plenary Session Myogenic Cell Transplantation for Cardiac Repair: The State of the Art.
- Medical Data International Conference Biomaterials of the Future (2000) Cells as the Ultimate Biomaterial for Cardiac Repair.
- Angiogenesis & DMR (June 2000) Skeletal Myoblast Transplantation Improves Regional Myocardial Performance.
- Transcatheter Cardiovascular Therapeutics -11 (October 1999) Skeletal Myoblast Transplantation Improves Regional Myocardial Performance.
- NHLBI Cell Transplantation Workshop: Future Therapeutics for Cardiovascular Disease (August 1998).
- 69th Annual Scientific Sessions American Heart Association (November 1996) “Myogenic Cell Transplantation Improves Regional Performance in Infarcted Rabbit Myocardium.” New Orleans, LA
- NSF/ERC Center for Emerging Cardiovascular Technologies (1996) Annual Seminar Series, Cellular Cardiomyoplasty. Duke University, Durham, NC.
- 68th Annual Scientific Sessions American Heart Association (November 1995) “Diastolic Function Improves after Myoblast Transplantation into Injured Heart.” Anaheim, CA.
- University of Alabama at Birmingham (1994) Department of Pathology Skeletal Myoblast Therapy in Cardiovascular Disease, Birmingham, AL.
- 63rd Annual Scientific Sessions American Heart Association (November 1992) “E1A-mediated Inhibition of Myogenesis: A Direct Physical Interaction of E1A12S and bHLH Proteins.”
- Albert Einstein College Of Medicine (1991) Department of Microbiology and Immunology, “E1A-mediated Inhibition of Myogenesis Correlates with a Direct Physical Interaction of E1A12S and Basic-Helix-Loop-Helix Proteins.” Bronx, NY.

Local/Regional

- MDACC Cardiology Grand Rounds (February 2014) “Building Solutions for Cardiovascular Disease: From Cell Therapy to Organ Transplant.” Houston, TX.
- UT Principles of Stem Cell Biology course (November 2013) “Organ regeneration using decellularized scaffolds.” Houston, TX.
- THI Women Heart Houston Support Group (October 2013) “The Heart of Discovery.” Houston, TX.
- THI 4th Annual Women’s Symposium (October 2013) “Women’s Biology vs. Men’s Biology & Implications for Treatments.” Houston, TX.
- Prototyping Lab "Pod Park" at the BRC (September 2013) “Houston Build a Heart Project.” Houston, TX.
- THI Cardiac Society 5th Symposium (May 2013) “The Future of Bioartificial Tissues.” Houston, TX.
- St. Luke’s Episcopal Hospital’s Clinical Research Symposium Research Today – On the Market Tomorrow, An Update in Clinical Research (May 2013) “Building Solutions for Tomorrow From Cells to Organs.” Houston, TX.
- 2013 CCTRN Research Coordinator Meeting (April 2013) “Stem Cell Types.” Houston, TX.
- Baylor College of Medicine Molecular Physiology and Biophysics Faculty Seminar Series (January 2013) “Cells for Prevention Treatment and Cure? How Long will it Take? What Can we Learn Along the Way?” Houston, TX.
- THI Grand Rounds (December 2012) “Cells for the Prevention, Treatment and Cure of CVD.” Houston, TX.
- THI Womens symposium (November 2012) “Sex Differences in Cardiovascular Disease and Implications for Therapies.” Houston, TX.
- The Austin Forum for Science, Technology and Society (November 2012) “Building Solutions for Heart Disease: The Science of the Future Today.” Austin, TX.
- Houston Stem Cell Summit (October 2012) “Cardiovascular Care and the Role of Stem and Progenitor Cells.” Houston, TX.
- Flowtex Conference (October 2012) “Experiences from Repository.” Houston, TX.
- 3rd Annual Stem Cell Research Symposium (October 2012) “Cells for the Prevention, Treatment and Cure of CVD.” Austin, TX.
- THI Fall Seminar Series (October 2012) “Building Solutions for Cardiovascular Disease.” Houston, TX.
- Rice University Biomaterials Day, (July 2012) “Biologic Matrices as Test Beds.” Houston, TX.
- University of Minnesota – Joint Degree Program in Law, Health & the Sciences (November 2010) “Induced Pluripotent Stem Cells (iPS): Impact on the Scientific and Regulatory Landscape of Stem Cell Research and on the Associated Ethical Debate.” Minneapolis, MN.
- BioBusiness Alliance (September 2010) “From DNA to Development: Building Ideas for Regenerative Medicine.” Minneapolis, MN.
- Piper Jaffray (August 2010) Minneapolis, MN.
- University of Minnesota, Department of Integrative Biology and Physiology (May 2010), Minneapolis, MN.
- Women’s Health Summit (April 2010) “Focus Area 2: Symptom Recognition and Delays in Seeking Treatment.” Minneapolis, MN.
- University of Minnesota Mayo (April 2010) “Building New Tissues from Old Cells: Can it Work?” Minneapolis, MN.
- Minneapolis-University Rotary Club (March 2010) Minneapolis, MN.
- Young Scientist Roundtable (September 2009) “Building a Heart: The Future of Transplants.” Wayzata, MN.

- The Lillehei Heart Institute Seminar Series (October 2008) “Cells for the Treatment, Prevention and Cure of Cardiovascular Disease.” Minneapolis, MN.
- Life Science Alley (October 2008) “Breakthrough Series: Frontiers in Heart Failure” Saint Paul, MN.
- Surface in Biomaterials Foundation Workshop (October 2008) “Creating Bioartificial Heart: Generation of a Contracting, Perfused, Viable Whole Heart from Intact, Decellularized Cardiac ECM and Cardiac-Derived Cells.” Minneapolis, MN.
- University of Minnesota Alumni Association (May 2008) “The Heart of Discovery.” Minneapolis, MN.
- University of Minnesota Open Heart Surgery Anniversary (May 2008) “Cardiac Regeneration and Cell Therapy.” Minneapolis, MN.
- Design Of Medical Devices Conference (April 2008) Radisson University Hotel “Cardiovascular II: Biologic Delivery Systems for the Heart.” Minneapolis, MN
- Ruth Stricker Mind Body Lecture (April 2008) Panelist on Matthieu Ricard’s presentation on “Train Your Mind, Change Your Brain: Cultivating Inner Conditions for Genuine Happiness.” Minneapolis, MN.
- Collaborative Convergence Series (March 2008) “Biologics and Devices: Proteins, Cellular Therapy and Combination Products.” Minneapolis, MN.
- Division of Cardiology Celebration of Endowed Scholars (December 2007) “Treating Heart Disease with 21st Century Science.” Minnesota Medical Foundation, Minneapolis, MN.
- U Discover Stem Cell Series (November 2007) "Cardiac Care, Fixing Broken Hearts." University of Minnesota, Minneapolis, MN.
- Comparative Biosciences Seminar (October 2007) “Cell Therapy for Cardiovascular Repair or Regeneration: Science or Science Fiction?” College of Veterinary Medicine, University of Minnesota, Saint Paul, MN.
- 2007 Joint Conference CTS IPITA IXA (September 2007) “Cell Transplantation for Cardiac Repair: What is the real potential?” Minneapolis, MN.
- Spring Life Science Business Community Workshop (February 2007) “Stem Cells & CVD.” University of Minnesota, Minneapolis, MN.
- Association of University Technology Managers (AUTM) (July 2006) “Stem Cells and the Future of Science – Boom or Bust?” Minneapolis, MN.
- University of Minnesota, Department of Medicine, Grand Rounds (July 2006) “Cardiovascular Cell Therapy: What do the next 5 years hold for Minnesota?” Minneapolis, MN.
- Annual Conference of the Society for In Vitro Biology (June 2006) “Stem Cell Based Artificial Heart”, Minneapolis, MN.
- Education Today. Saint Paul, MN.
- Cardiopulmonary Management of Patients with Neuromuscular Diseases Conference, Gillette Children’s Specialty Healthcare; (November 2005) Cell-based Approaches to Cardiomyopathy. Saint Paul, MN.
- BIO Mid-America Conference Panel Participant 2005 (September 2005), Minneapolis, MN.
- 42nd Meeting of the Society for Cryobiology 2005 Stem Cell Workshop (July 2005) “Stem Cells for Cardiovascular Repair.” Minneapolis, MN.
- The Collaborative® Cluster Series (June 2005) Cardiovascular Therapies Panelist. Minneapolis, MN.
- Minnesota Venture Capital Association (May 2005) The Stem Cell Industry Panelist, Minneapolis, MN.
- Cell Therapies for Cardiovascular Disease: A Minnesota Experience, Mayo Clinic; (November 2005) Systemic Cell Delivery for Vascular Repair. Rochester, MN.
- MN Medical Foundation, Discovering Your Legacy, Women and Philanthropy (June 2005).

- Mayo Clinic Grand Rounds (February 2005) Cell Based Cardiac and Vascular Repair: Are We Ready for Prime Time? Rochester, MN.
- Minnesota Academy of Medicine (January 2005) Advances in Stem Cell Therapy: The Future for Cardiovascular Repair. Saint Paul, MN.
- Whiteside Memorial Lecture (October 2004) Stem Cells: A New Future for Treating Heart Disease. Duluth, MN.
- Cardiovascular Interventional Methods, Charles River (October 2004) Myogenesis - Cell Transplant. Brooklyn Park, MN.
- Center for Emerging Cardiovascular Technologies, (1996-1998) Annual Industry Meeting New Technologies Panel, The Challenge for Industry in Cellular Cardiomyoplasty. Duke University.
- Talent Discovery Forum, (October 1996) Medtronic, Inc., Cellular Cardiomyoplasty and Cardiac Gene Therapy. Minneapolis, MN.

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