

UNIVERSITY OF WISCONSIN SCHOOL OF MEDICINE AND PUBLIC HEALTH
DEPARTMENT OF SURGERY

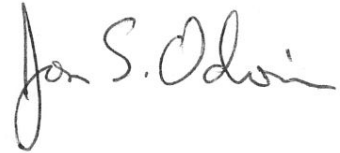
Curriculum Vitae

JON SCOTT ODORICO, M.D.

PERSONAL DATA

Office Address:
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H4/756 Clinical Science Center

Signed:



Date: 3/10/23

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Madison, Wisconsin 53792

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EDUCATION

College:
1979-83 Duke University (Chemistry) - B.S.
Durham, North Carolina

Medical School:
1983-87 New York University - M.D.
School of Medicine
New York, New York

Postgraduate Training:
1987-88 Intern, General Surgery
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania

1988-93 Resident, General Surgery
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania

1990-92 Postdoctoral Research Fellow
Harrison Department of Surgical Research
Department of Surgery
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania

- 1993-94 Chief Resident, General Surgery
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania
- 1994-96 Fellow, Transplant Surgery
University of Wisconsin Hospital and Clinics
Madison, Wisconsin
- 2005 Wharton Executive Management Program for Academic Surgical Leaders
Wharton School of Business
Leonard Davis Institute of Health Economics
Philadelphia, Pennsylvania

POSITIONS HELD

- 2014- present **Professor (Tenured)**
Department of Surgery
Division of Transplantation
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin
- 2005-2014 **Associate Professor (Tenured)**
Department of Surgery
Division of Transplantation
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin
- 1996-2005 **Assistant Professor**
Department of Surgery
Division of Transplantation
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin
- 2000-2016 **Principal Investigator**
WiCell Research Institute
Madison, Wisconsin
- 2002-present **Director, Islet Cell Transplantation**
Department of Surgery
Division of Transplantation
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin
- 2009-present **Director, Pancreas Transplantation**
Department of Surgery
Division of Transplantation
University of Wisconsin School of Medicine and Public Health
Madison, Wisconsin

2021 – present **Director, University of Wisconsin Human Islet Core**

AFFILIATIONS

- 2002-present Cell and Molecular Biology Program, Trainer
University of Wisconsin, Madison
- 2002-present Endocrinology and Reproductive Physiology Program, Trainer
University of Wisconsin, Madison
- 2002-present Medical Scientist Training Program, Trainer
University of Wisconsin School of Medicine and Public Health
- 2012-2014 Co-founder and Chief Scientific Officer, Regenerative Medical Solutions, Inc.
Madison, WI
- 2014 – present Chair, Scientific Advisory Board, and Principle Scientist, Regenerative Medical
Solutions, Inc., Madison, WI

PATENTS

US Patent #7,585,672 “Differentiation of stem cells to endoderm and pancreatic lineage,” issued September, 2009.

US Patent #8,247,229 “Method of differentiating stem cells into cells of the endoderm and pancreatic lineage,” issued August, 2012.

US Patent #8,685,730 “Methods and devices for differentiating pluripotent stem cells into cells of the pancreatic lineage,” issued April 2014.

US Patent #9,371,516 “Compositions and methods for differentiating stem cells into cell populations comprising beta-like cells”, issued June 21, 2016 with Regenerative Medical Solutions, Inc.

US Patent #9,540,613 “Method for producing insulin-secreting beta cells from human pluripotent stem cells,” issued January 10, 2017 with Regenerative Medical Solutions, Inc.

US Patent #9,765,302 “Compositions and methods for differentiating stem cells into cell populations comprising beta-like cells”, issued September 19, 2017 with Regenerative Medical Solutions, Inc.

US Patent #9,828,634 “Markers for differentiation of stem cells into differentiated cell populations,” issued November 28, 2017 with Regenerative Medical Solutions, Inc.

US Patent #10,138,466 “Compositions and methods for differentiating stem cells into cell populations comprising beta-like cells”, issued November 27, 2018 with Regenerative Medical Solutions, Inc.

CERTIFICATION AND LICENSURE

Medical Licensure:

Medical Examining Board, State of Wisconsin, #35504, 1994

Board Certification:

Diplomat of the National Board of Medical Examiners, License #338188, 1988

Diplomat of the American Board of Surgery, Certificate #42100, April 1997; Recertified 2006, 2016

Other Certification:

Advanced Cardiac Life Support, 1990

Course in Microsurgery, University of Pennsylvania Microsurgery Program, 1990

Advanced Trauma Life Support, 1992

Laboratory Training Program for Techniques in Minimally Invasive Surgery, 1992

HONORS AND AWARDS

Merck Index Award, 1983

Phi Lambda Upsilon Chemical Honor Society, 1983

Magna Cum Laude, Duke University, 1983

National Research Service Award, National Institutes of Health, 1990-92

Jonathan E. Rhoads Research Award, Harrison Department of Surgical Research,
University of Pennsylvania, School of Medicine, 1992-93

Finalist, Sandoz Fellowship Award, 1994

Best Abstract Award, Ortho Biotech Transplant Fellows Workshop, 1994

American Society of Transplant Surgeons, Fujisawa Faculty Development Award, 1996

Young Investigator Travel Award, Stem Cells and Pancreatic Development Workshop, National
Institutes of Health, 2000

Howard Hughes Medical Institute Faculty Development Award, 2000

Surgical Biology Club II, 2004-

“Top Doctor,” *Madison Magazine*, 2004

Featured Clinical Scientist, American Society of Transplantation Newsletter, 2005

ASTS-Wyeth Midlevel Faculty Award, 2006

Mary Jane Kugel Award, JDRF, 2006

Best Doctors in America, 2011

Vilas Award, 2011

“Top Doctor,” *Madison Magazine*, 2012

ASTS Collaborative Scientist Award, 2013

UW Health Patient Experience Physician Champion Award, 2014

Elected to the American Surgical Association, 2015

Guglielmo Marconi Scientific Achievement Award, UNICO National, 2016

Fellow of the American Society of Transplantation, 2019

State Economic Engagement and Development (SEED) Award 2019

Top Transplant Surgeon, 2019

Interlink Performance Excellence Award, 2019

PROFESSIONAL SOCIETIES

American Medical Association, 1988
American Association for the Advancement of Sciences, 1992 - present
Penn Surgical Society (formerly Ravdin-Rhoads Surgical Society), 1996 - present
American Society of Transplant Surgeons, 1996 - present
International Society for Organ Donation and Procurement, 1997
International Pancreas and Islet Transplantation Association, 1997 - present
Association for Academic Surgery, 1997 - present
American Society of Transplantation, 1998 - present
Madison Surgical Society, 1998
The Transplantation Society, 1998 - present
American Society for Cell Biology, 1999
Society for Developmental Biology, 1999
American Diabetes Association, 2000 - present
State Medical Society of Wisconsin, 2000
Society of University Surgeons, 2001 - present
Cell Transplant Society, 2001
American College of Surgeons, Fellow, 2003 - present
International Society for Stem Cell Research, 2004 – present
American Surgical Association, 2015-present
Layton Rikkers Surgical Society, 2017- present

JOURNAL REVIEWER

American Journal of Transplantation – *Associate Editor*
Transplantation Reviews – *Editorial Board*
American Journal of Stem Cells – *Senior Editorial Board*
Journal of Diabetes Research and Clinical Metabolism – *Editorial Board*
Journal of Regenerative Medicine and Tissue Engineering -- *Editorial Board*
Transplantation Direct – *Editorial Board, 2016- 2020*
Annals of Surgery
Clinical Transplantation
Current Biology
Diabetes
Diabetologia
Journal of Clinical Investigation
Journal of Molecular Medicine
Proceedings of the National Academy of Sciences
Stem Cells
Transplant International
Transplantation
Transplantation Proceedings
Nature Biotechnology
Scientific Reports

TEACHING ACTIVITIES

1990-92 Instructor, Medical Student Surgery Course
Department of Surgery

	University of Pennsylvania School of Medicine
1991-92	Editor, Intern Survival Guide Department of Surgery Hospital of the University of Pennsylvania
1992-94	Assistant Instructor of Surgery Department of Surgery University of Pennsylvania School of Medicine
1998-2002	Director, Surgical Basic Science Course Department of Surgery University of Wisconsin School of Medicine
2006-2007	Instructor, Anatomy 675 “Fundamentals of Stem Cell Biology” University of Wisconsin-Madison
2006-2009	Director, Diabetes Multidisciplinary Research Group Conference University of Wisconsin-Madison
2010, 2011	Instructor, Anatomy 675 “Molecular and Cellular Organogenesis” University of Wisconsin-Madison
2011	Instructor, Endocrinology Reproductive Physiology 875 “Endocrine Physiology” University of Wisconsin-Madison
2022-present	Instructor, Medicine 720, “Beta Cell Replacement Therapy for Diabetes” University of Wisconsin-Madison

ADMINISTRATIVE APPOINTMENTS

Committees – Intramural

1988-1994	Member, Resident Executive Council Department of Surgery Hospital of the University of Pennsylvania
1991-1992	Chairman, Resident Executive Council Department of Surgery Hospital of the University of Pennsylvania
1991-1992	Member, HA-A1 Monoclonal Antibody Ad Hoc Committee Hospital of the University of Pennsylvania
1993-1994	Administrative Chief Resident, Surgical Grand Rounds Department of Surgery, Hospital of the University of Pennsylvania
1995-1996	Chairman, Clinical Transplant Conference University of Wisconsin Hospital and Clinics
1995-2005	Member, Critical Care Committee University of Wisconsin Hospital and Clinics
1996-2006	Member, Transplant Data Systems Committee University of Wisconsin Hospital and Clinics

1998-2002	Director, Surgery Residents Basic Science Course University of Wisconsin Hospital and Clinics
1998-2005	Member, Human Subjects Committee University of Wisconsin Hospital and Clinics
2002-2004	Search Committee for the Stem Cells and Regenerative Medicine Cluster Hire University of Wisconsin Medical School
2005-2009	Member, Executive Committee for the Stem Cell and Regenerative Medicine Center University of Wisconsin School of Medicine and Public Health
2006-2008	Compensation Support Committee University of Wisconsin Medical Foundation
2006-2007	Search Committee for Chair of Department of Medical History and Bioethics University of Wisconsin School of Medicine and Public Health
2007-2008	Search Committee for the Stem Cells and Regenerative Medicine Cluster Hire University of Wisconsin School of Medicine and Public Health
2010	WiCell Task Force, University of Wisconsin-Madison
2017-present	Member, Integrated Program in Endocrinology, iPEnd
2021-2022	CMB Graduate Program Admissions Committee

Committees – Extramural

1998-2001	Member, Education Committee, American Society of Transplant Surgeons
1997-2000	Member, Chronic Renal Disease Advisory Committee, State of Wisconsin, Department of Health and Family Services
1999-2004	Member, Kidney-Pancreas Committee, American Society of Transplantation
2000-2005	Awards Committee, American Society of Transplant Surgeons
2000	Special Advisory Committee to the Director of the NIH on Stem Cell Differentiation
2000	Scientific Advisory Board, Renovar, Inc.
2002-2004	Member, Cell Transplant Committee, American Society of Transplant Surgeons
2002	Ad Hoc Reviewer of National Institutes of Health Grants on Stem Cells
2002	Ad Hoc Grant Reviewer for Juvenile Diabetes Research Foundation
2003	Temporary Member, National Institutes of Health Metabolism Study Section (February 2003, October 2003)
2002-2004	Abstract Review Committee, American Transplant Congress 2002: Pancreas and Islets; 2003: Co-Chair, Genetics, Islets, Cells, and Bone Marrow-GVH; 2004: Co-Chair, Islet Cell and Stem Cell; 2005: Co-Chair, Islets and Stem Cells
2003-2004	Co-Chair, Ad Hoc Cellular Transplantation Committee, American Society of Transplantation
2003-2018	Juvenile Diabetes Research Foundation Medical Science Review Committee, Islet Biology and Transplantation Study Section; Replacement and Regeneration Study Section.
2003-2005	Stem Cell Committee, NIH Beta Cell Biology Consortium
2003-	Ad Hoc Grant Reviewer for National Medical Research Council (NMRC)- Singapore
2004-2007	Co-Chair, Cell Transplant Committee, American Society of Transplant Surgeons
2004-2007	Member, Public Education Committee, International Society of Stem Cell Research
2004-2006	Co-Chair, Ad Hoc Cellular Transplantation Committee, American Society of Transplantation

2005-2009	Councilor, International Pancreas and Islet Transplant Association
2005-2015	Alternate Member, Scientific and Medical Research Funding Working Group, California Institute of Regenerative Medicine
2009-2013	Secretary, International Pancreas and Islet Transplantation Association
2012-2018	Board Member, Juvenile Diabetes Research Foundation – Western Wisconsin Chapter Board of Directors
2012-2013	UNOS Pancreas Committee, Member
2013-2017	UNOS Pancreas Committee, Vice Chair; Membership and Professional Standards Committee, Member
2013-2017	Member, UNOS Policy Oversight Committee
2013-present	Diabetes Research Connection, Reviewer
2013-2015	President Elect, International Pancreas and Islet Transplant Association
2015-2017	President, International Pancreas and Islet Transplant Association
2016	Chair, Scientific Program Committee, First Joint IPITA, JDRF, Helmsley, HSCI KOL Meeting of Stem Cell-derived Beta Cells, Martin Center, Harvard Campus, Boston, MA Sept 2016
2016	Ad hoc reviewer, CADO Study Section, NIH, October 2016
2017	Member, Scientific Program Committee and Moderator, First Opinion Leaders Meeting to Define Beta Cell Graft Success and Failure, Igl, Austria Jan 28-29, 2017
2017-2019	UNOS, Pancreas Committee, Chair
2017-2019	Immediate Past President, International Pancreas and Islet Transplant Association
2017-present	JDRF Beta Cell Replacement Scientific Program Advisory Panel
2017-2018	Chair, Scientific Program Committee, Second Joint IPITA, JDRF, HSCI KOL Meeting of Stem Cell-derived Beta Cells.
2019- present	Past Chair, UNOS Pancreas Transplant Committee
2019- present	Co-Chair, ASTS Awards Committee
2019 – 2020	Chair, Scientific Program Committee, 3 rd Conference of Stem Cell-derived Beta Cells
2021	Chair, Scientific Program Committee, IPITA Virtual Meeting 2021
2021- present	Member, ASTS Surgical Scientist Task Force; Chair Grants Portfolio working group
2021- present	Chair, ASTS Grants Committee
2022-2023	Co-Chair, 4 th IPITA/HSCI/JDRF Stem-cell Islets Summit, April 2023.

Other

2003	Chair, Concurrent Session: Gene Therapy/Experimental Bone Marrow Transplantation I, American Transplant Congress 2003, Chicago IL
2003	Co-Chair, Experimental Transplantation – Stem Cells, 9 th International Pancreas and Islet Transplant Association, July 9, 2003, Dublin, Ireland
2003	Chair, Oral Presentation Session on Stem Cell Research at Endocrinology-Reproductive Physiology Annual Symposium, October 17, 2003, Madison WI
2004	Co-Chair, Oral Scientific Session on Islet Cell and Stem Cell, American Transplant Congress 2004, May 16, 2004, Boston, MA
2004	Co-Moderator, Early Morning Workshop: Pancreas After Kidney and Pancreas Alone, American Transplant Congress 2004, May 19, 2004, Boston, MA
2005	Invited Participant in The Wharton Executive Management Program for Academic Surgery Leaders, March 4-6, 2005, Philadelphia, PA

- 2005 Chair, Experimental Parallel Session on Stem Cells/Gene Therapy, 10th World Congress of the International Pancreas and Islet Transplant Association, May 5, 2005, Geneva Switzerland
- 2005 Chair, Pre-Meeting Symposia: The Nexus of Cell Transplantation, Tissue Engineering and Gene Therapy: Integrating Basic Science and Medicine, American Transplant Congress 2005, May 21, 2005, Seattle, WA
- 2005 Co-Moderator, Mini-Oral Session on Pancreas and Islet, American Transplant Congress 2005, May 24, 2005, Seattle, WA
- 2005 Co-Moderator, Scientific Session on Islet Cytoprotection, Islet Stem Cells, and Bone Marrow Stem Cells, American Transplant Congress 2005, May 24, 2005, Seattle, WA
- 2006 Co-Moderator, Session on Stem Cells, Academic Surgical Congress, 2006, San Diego, CA
- 2007 Co-Moderator, Session I: Progenitor cells and cell-based therapies, ACS Surgical Forum, 2007
- 2009 Scientific Program Co-Chair, IPITA Congress, October 12, 2009, Venice, Italy
- 2011 Moderator, Plenary Session Regeneration and Stem Cells, IPITA Congress, June 4, 2011, Prague, Czech Republic
- Co-Moderator, Session on Pancreatic Transplantation, American Transplant Congress June 5, 2011, Philadelphia, PA
- 2011 Scientific Program Committee, IPITA Congress, June 2011, Prague, Czech Republic
- 2012 Moderator, State-of-the-Art Islet Transplantation Plenary Session, 24th International Congress of The Transplantation Society, July 17, 2012, Berlin, Germany
- 2013 Panel Discussant, Pancreas Transplantation, ASTS Winter Meeting, February 1-3, 2013, Miami, FL
- 2013 Co-Moderator, 3rd AIDPIT/EPITA Workshop Meeting, Younger Investigator's Workshop-Technical Aspects of Pancreas Transplantation, and Experimental Islet Transplant Session, January 28, 2013, Igls, Austria
- 2013 Co-Moderator, Scientific Session on Pancreas Transplantation, American Transplant Congress, May 21, 2013, Seattle, WA
- 2015 Moderator, Regenerative Medicine Technologies for New Generation Bioartificial Endocrine Pancreas, ATC 2015
- 2015 Reviewer, JDRF Encapsulation and beta cell testing Grant Study section
- 2015 Moderator, ATC 2015 session "Regenerative medicine technologies for new generation of bioartificial endocrine pancreas"
- 2015-present Member, AST Community of Practice – Regenerative Medicine
- 2015-present Member, AST Community of Practice – Kidney Pancreas Committee
- 2014-2015 Member, Scientific Program Planning Committee, IPITA 2015
- 2015 Session Chair, Banff Allograft Pathology meeting
- 2015 Moderator, at IPITA 2015 sessions entitled, "Global trends in pancreas transplantation: challenges and opportunities"; Plenary sessions, "New horizons"; Paul Lacy award presentation; Islet plenary.
- 2016 Member and Chair of Pancreas/Islet Sessions, Program Planning Committee, TTS 2016
- 2017 ATC 2017 Session Moderator
- 2017 Member, Program Planning Committee, 10th Annual Midwest Islet Club Meeting, Madison, WI, UW Campus, Union South, May 2017
- 2017 IPITA 2017, Session Moderator and Member, Scientific Program Planning Committee

2017	Grant Reviewer, Regenerative Medicine Minnesota, November-December 2017
2018-2020	Executive Committee AST Community of Practice – Regenerative Medicine
2018-2019	Member, Scientific Program Committee, IPITA meeting, Lyon, FR July
2019	Member, organizing Committee and Session Moderator 14 th Annual Wisconsin Stem cell Symposium “Immune Tolerance and Immunotherapy”
2018-2019	Grant reviewer for JDRF- several RFAs and grants including Study section chair for 3D Bioprinting RFA
2018	Editor, Up-to-Date module on Pancreas Transplantation; edited 3 chapters
2018	Grant Reviewer, NIH Microphysiological Systems for Modeling Diabetes Study Section
2018	Grant Reviewer, NIH HIRN-HPAC Study Section
2019	Member, Advisory Committee for DRAW
2019	Member, Advisory Committee for Forward BIO Institute, Madison, WI
2019	Grant reviewer, NIH Human Pancreas Analysis Program for T2D Study Section
2019	ADA, IPITA, ATC abstract reviewer
2020	Chair, JDRF Study Section “3D Bioprinting RFA”
2020	External Advisor, Vanguard Horizon 2020 Berishvilli PI, multigroup islet stem cell project
2020	UW PERC grant review panel
2021	Moderator, ASTS grants session at Winter Symposium
2021	Moderator, EPITA Plenary session on Marginal Donors
2021	Reviewer, JDRF/CHIR Grant cycle
2023	Moderator and Abstract reviewer, EPITA Annual Meeting

GRANTS (ACTIVE)

Integrated Islet Distribution Program (U24DK098085-03) (Niland PI; Odorico site PI, subcontract)

Date of Award: 8/1/2022-7/31/2023

ICTR (Sackett and Brown Co-PIs; Odorico Co-I)

Characterization of a novel immunodeficient, humanizable, inducible beta cell ablative mouse model for translational research

Dates of Award: 7/1/2022-6/30/2023

JDRF 3-SRA-2021-1060-S-B (Odorico, PI; Huangfu, Brown, Gumperz Co-I)

Immune Cloaking Stem Cell-derived Beta Cells for Transplantation

Dates of Award: 2/1/2021-2/1/2024

Department of Defense (DOD PR190621 (Odorico and Huangfu, Co-PIs)

Engineering an invisibility cloak for stem cell beta cells for treating diabetes

Co-investigators: Brown, Gumperz, Kimple, Merrins

Dates of Award: 2020-2023

University of Washington Diabetes Research Center Pilot and Feasibility Program

(Li PI; Odorico, Davis Co-I)

A mass spectrometry-enabled multiomic investigation of pancreatic islets in diabetes

Dates of Award: Dec 2021 – Dec 2022

NIH SBIR Phase I to Regenerative Medical Solutions, Inc. (Cohen PI; Odorico Site PI)

Development of a safer stem cell-based diabetes therapy via suicide gene-mediated ablation of proliferative cells
Dates of Award: 2022-2023

GRANTS (COMPLETED)

UW Fall Research Competition (Odorico PI; Li Co-I)
Probing the human pancreas and islet matrixome for matrix-stem cell derived islet interactions
Dates of Award: 2020- 2021

WARF Accelerator Award (Galipeau PI; Odorico Co-I)
Synthetic fusion protein for drug-free immune tolerance to allogeneic and xenogeneic living cells
Dates of Award: July 2020-Dec 2021 (NCE)

JDRF (3-SRA-2017-364-S-B) (Odorico-PI)
An inducible genome engineering approach for preventing immune rejection of hESC-derived beta cells
Co-investigators: Huangfu, Burlingham
Dates of Award: 2017-2020

ICTR (Odorico and Li – Co-PI)
Interrogating the Human Islet Extracellular Matrix Niche
Dates of Award: Aug 2019-July 2020

SEED (Odorico –PI)
Reversal of Diabetes in Mice by Human Pluripotent Stem Cell Beta Cells
Dates of Award: July 2019-June 2020

NIH (1R21AI126419-01) (Odorico-PI)
Transformational platform for regenerating autologous transplantable endocrine tissue from human pancreatic matrix and pluripotent stem cells
Co-investigators: Li, Palacek, Hematti, Burlingham
Dates of Award: 2016-2018

JDRF (1-SRA-2016-168-S-B) (Odorico-PI)
Encapsulation of human PSC-derived beta cells in a novel device combining dynamic nutrient delivery and a matrix-based niche microenvironment
Co-investigators: Graham, O'Brien
Dates of Award: 2016-2017

JDRF (1-PNF-2016-250-S-B) (Odorico-PI)
A natural human pancreatic matrix hydrogel- and endothelial cell-based platform for transplanting pluripotent stem cell-derived beta cells
Co-investigators: Burlingham, Palacek
Dates of Award: 2016-2017

VCGRE Bridge funding (Odorico – PI)

Transformational platform for regenerating autologous transplantable endocrine tissue from human pancreatic matrix and pluripotent stem cells
Dates of Award: 8/01/16 - 7/31/17

Foundation of the American Society of Transplant Surgeons (Odorico-PI; Burlingham-Co-I)
Alloimmune response to human induced pluripotent stem cell-derived pancreatic beta cells
Collaborative Scientist Grant
Dates of Award: 7/1/13-6/30/15

Juvenile Diabetes Research Foundation (Odorico-PI)
Endocrine specification and maturation from human pluripotent stem cells
Dates of Award: 6/30/12-9/15/15

RMS Sponsored Research Agreement (Odorico-PI)
Pancreatic lineage differentiation from human pluripotent stem cells: Optimization and proof-of-principle studies
Dates of Award: 1/1/12-7/1/13

ADA (Odorico-PI) Innovative Award
Epigenetic control of reprogramming and differentiation to pancreatic beta cells
Dates of Award: 7/1/11-6/30/13

Vilas Award (Odorico-PI)
Determining the role of Ptf1a in pancreas specification and endocrine cell differentiation using an ESC *in vitro* model system
Dates of Award: 2011-2013

NIH R21 ARRA DK-78889-1AZ (Odorico-PI)
Characterization of Endoderm Stem Cells Derived from Murine ESCs
Dates of Award: 4/1/09-4/1/11

ROTRF/JDRF (Odorico-PI)
Adaptive Immune Responses to Human Embryonic Stem Cell-Derived Pancreatic Progenitor Cells
Dates of Award: 02/01/08-1/31/11

Juvenile Diabetes Research Foundation (Odorico-PI) Innovative Award
Purification of Human Definitive Endoderm Stem Cell Lines
Dates of Award: 9/1/09-9/1/10

Juvenile Diabetes Research Foundation (Odorico-PI)
Directed Differentiation of Human ESCs to Endoderm and Pancreatic Lineages
Dates of Award: 03/01/07-03/01/10

NIH-ICR (Fernandez-PI, Odorico-Co-Investigator)
Multi-parametric Characterization of Human Islets: Predictor of Islet Quality, Potency, and Function
Dates of Award: 07/01/06-06/30/09

NIH National Stem Cell Bank (Hei-PI, Odorico-Co-Investigator)
Dates of Award: 09/30/05-09/29/09

American Society of Transplant Surgeons (Odorico-PI)
Wyeth Midlevel Faculty Award
The Role of BMP4 in Endoderm and Pancreas Specification from Human ES Cells
Dates of Award: 07/01/06-06/30/08

American Diabetes Association (Odorico-PI)
Pancreatic Lineage Specification from Endoderm-Committed ES Cells
Dates of Award: 07/01/05-06/30/08

National Institutes of Health (Fernandez-PI, Odorico-Co-Investigator)
Donation After Cardiac Death for Isolated Pancreatic Islet Transplantation: Biology and
Predicting Factors for Success
Dates of Award: 7/1/05-6/30/07

ROTRF (Fernandez-PI, Odorico-Co-Investigator)
Characterization of Human Islet from Donation After Cardiac Death: Assessment of the Liver's
Microenvironment after Islet Translation
Dates of Award: 04/17/05-04/16/08

Juvenile Diabetes Research Foundation (Odorico-PI)
Derivation of Pancreatic Precursors and Differentiated Islet Cell Types from Human ES Cells
Dates of Award: 01/01/04-01/01/07

NIH, NIDDK, Beta Cell Biology Consortium (Odorico-PI)
Human Embryonic Stem Cell Culture Training Program
Dates of Award: 07/01/03-06/30/06

Geron Corporation (Odorico-PI)
Generating Transplantable Islet Progenitor Cells from Human ES Cells
Dates of Award: 09/01/02-08/31/05

National Institutes of Health Pilot and Feasibility Study (Odorico-PI)
Characterization and Isolation of Islet Stem Cells from Human ES Cells
Dates of Award: 07/01/02-06/30/04

National Institutes of Health, U19 DK61244 (Odorico-PI for WI),
Sub-award from University of Minnesota – Beta Cell Biology Consortium
Islet Stem Cells from Murine ES Cells
Dates of Award: 10/01/01-09/30/05

Juvenile Diabetes Research Foundation (Odorico-PI)
Human Embryonic Stem Cells as a Model to Study Pancreatic Islet Development
Dates of Award: January 2001-December 2003
Graduate Clinical Research Center Grant (Odorico-PI)

Howard Hughes Medical Institute Faculty Development Award (Odorico-PI)
Human Embryonic Stem Cells as a Model to Study Pancreas Development
Dates of Award: December 2000-December 2002

National Institutes of Health, #R21-DK58919-01(Odorico-PI)

Rhesus ES Cells: A Model to Study Human Pancreas Development
Dates of Award: May 2000-April 2003

Roche Organ Transplant Research Foundation (Odorico-PI)
Derivation of Insulin Producing β Cells from Embryonic Stem Cells
Dates of Award: 2000-2002

Fujisawa, Inc. Unrestricted Research Grant (Odorico-PI)
Cytokine Transcription in Human Pancreas Allografts
Dates of Award: 1998-1999

University Surgical Associates (Odorico-PI)
Induction of Pancreatic Islet β -Cell Differentiation and Development from Primate
Embryonic Stem Cells for the Treatment of Diabetes
Dates of Award: January 1997-January 2000

ASTS Fujisawa Faculty Development Award (Odorico-PI)
Fas/Fas Ligand Mediated Apoptosis and Intrathymic Tolerance
Dates of Award: 1996-1998

National Institutes of Health, #DK-07314
National Research Service Award
Diabetes, Endocrine, and Metabolic Diseases
University of Pennsylvania
Dates of Award: 1990-92

CLINICAL STUDIES FUNDING (ACTIVE)

Veloxis Pharmaceuticals, Inc. (Odorico-PI)
Conversion from Immediate Release Tacrolimus to Envarsus XR in Simultaneous Pancreas-
Kidney Recipients: Assessment of functional, safety and quality of life outcomes (CIRTEN
SPK)
Dates of Award: 10/11/2018-present

Care Dx (Scalea -PI, Odorico Co-I)
Non-invasive Blood Test to Diagnose Acute Rejection After Pancreas and Kidney
Transplantation: Pancreas and Renal Rejection Diagnosis Using Circulating Donor-
Derived Cell-free DNA in Peripheral Blood (PANCDx)
Dates of Award: 2020- present

Natera (Odorico Site PI)
Use of dd-cfDNA in Multi-Organ Transplant Rejection Detection (MOTR)
Dates of Award: 2021- present

Vertex Pharmaceuticals, Inc. (Odorico Site PI)
A Phase $\frac{1}{2}$ Study to Evaluate the Safety, Tolerability and Efficacy of VX-880 in Subjects
who have Type 1 Diabetes Mellitus with Impaired Hypoglycemic Awareness and Severe
Hypoglycemia

Dates of Award: 2021- present

CLINICAL STUDIES FUNDING (COMPLETED)

Emmes Corporation/NIH (Odorico-PI)

AGR DTD 11/2/06

Collaborative Islet Transplant Registry

Dates of Award: 09/18/06-present

CTOT-15 NIH Multicenter trial of Belatacept in SPK Transplantation (Odorico – PI)

Dates of Award: 2014-2016

Novonordisk (Odorico-PI)

NN2211—3619

A 56-week randomized, double blind, placebo-controlled, parallel-group, multi-center, multi-national exploratory trial in Islet Cell transplant subjects with type 1 Diabetes Mellitus to evaluate the early use of Liraglutide as an adjunct to standard care regarding the percentage of subjects achieving insulin independence after first transplantation, Phase II.

Dates of Award: 2012-2013

Bristol-Myers-Squibb (Co-Investigator, Fernandez, PI)

BMS #33851, investigator initiated

Calcineurin-free, steroid-free immunosuppressive regimen in simultaneous islet-kidney transplantation for uremic type 1 diabetic patients.

Dates of Award: 2010-2013

Wyeth Pharmaceuticals (Odorico-PI)

0468H1-101283 Islet Transplantation in Type I Diabetic Patients Using a Steroid Free Rapamycin-Based Immunosuppression Protocol and Thiazolidinedione Insulin Sensitizers

Dates of Award: 04/23/03-present (Provides study drug (Rapamune®, sirolimus) for 16 patients for 24 months)

Novartis Pharmaceuticals (Odorico-PI)

RAD1A06 A Multicenter, Open Label, Exploratory Study to Assess the Safety and Tolerability of Simulect, Neoral, RAD001 and Steroids for the Prevention of Acute Rejection in Diabetic Patients Undergoing Simultaneous Pancreas-Kidney Transplantation

Dates of Award: 02/01/00-2006

MENTORING

Mentees

Aji Djamali, M.D., 1996-1998

Inka Held, B.S., Doctoral Thesis Candidate, University of Heidelberg, 2000-2001

Roger W. Sands, B.S., Senior Honors Thesis in Molecular Biology, Trewartha-Mensink Undergraduate Research Award, 2000-2001

Obrad Kokanovic, B.S., Medical Student, Herman Shapiro Summer Research Grant Award, 2002

Jameison Cohn, B.A. Summer Research Internship, 2002

Andrea Forgianni, 2002-2005
 Xiaofang Xu, Ph.D. Postdoctoral Fellow, 2002-2006
 Stephanie Seidl, Undergraduate Student, 2002-2004
 Melisa Budde, Undergraduate Student, 2003-2006
 Robert Vincent, Ph.D. Cellular and Molecular Biology Graduate Program, 2007
 Adam Burrack, Undergraduate Student, 2004-2005
 Nathan Treff, Ph.D., Postdoctoral Fellow, NIH Transplant Training Grant Awardee, 2004-2005
 Joseph Magliocca, M.D., Postdoctoral Transplant Fellow, 2004-2005
 Zachary Kastenber, B.S., Per Bernsten Fellowship Award, Summer Research, 2005
 Jesse Bauwens, Undergraduate Student, 2006-2008, Hilldale Undergraduate Research Fellowship Award
 Anna Ibele, M.D., Postdoctoral Fellow, NIH Transplant Training Grant Awardee, 2006-2007
 Matthew George, Undergraduate Student, 2007-2009
 Logan VanderWoude, Undergraduate Student 2008-2010
 Gopika Nair, PhD Candidate, Endocrinology Reproductive Physiology Graduate Program, 2007- 2013; Eli Lilly Co.
 Benjamin Ziehr, Undergraduate Student, 2008-2010
 Fabiola Merriam, Post-doctoral Fellow, 2009-2013
 Dawn Davis, Endocrinology fellow, Mentor for K08 award, 2008-2011
 Ivie Okundaye, Wake Forest Undergraduate UW Summer Research Program, 2010
 Drew Doering – Undergraduate Student, 2010-2011
 Joel Alvarez – Undergraduate student, 2011-2013
 Cori O’Brien – Undergraduate student, 2012-2014
 Kyle Ye – Undergraduate student, 2014-2015
 Brian Eby – UW medical student, Shapiro Research Scholar, T35 Department of Surgery research program award recipient 2013-2015
 Trevor Schell – UW Undergraduate student 2014- 2016
 Rachel Maguire – UW Undergraduate student 2015- 2018
 Austin Feeney – UW Undergraduate student 2015 - 2019
 Andrew Curran – UW Undergraduate student 2015 - 2018
 Marina Ignatowski – UW Undergraduate student 2015 - 2018
 Vansh Jain – UW Undergraduate student 2016 – 2019; Hilldale Scholar
 Dan Tremmel PhD UW Graduate student 2016 -present; MBTG and CMB programs, Defended Thesis April 2022; Postdoc at Harvard/MGH with Dr. Juan Melero-martin
 Nickolas Quirini - UW Undergraduate student -2018 – 2020; Hilldale Scholar
 Jessica Suderski - UW Undergraduate student - 2018 - 2020
 Jenna Menadue - UW Undergraduate student - 2018 - 2020
 Phuoc Pham UWSMPH, Shapiro Research Scholar, T32 DOS award 2018-2019
 Austin Feeney UW BME Master’s program 2018-2019; Hilldale Bookstore award
 Colin Steck UW Undergraduate student 2019- 2021
 Sakar Gupta UW Undergraduate student 2020-present; Hilldale Scholar
 Anna Mikut UW Undergraduate student 2020-present
 Ellen Abad Santos UW Undergraduate student 2021-present
 (Not listed: over 30 Clinical Transplant Surgical Fellows from 1996-present)

Graduate Student Thesis/Advisory Committee:

Behzad Gerami, M.S., Ph.D. Endocrinology and Reproductive Physiology Program 2006
 Arthur Chang, Ph.D. Endocrinology and Reproductive Physiology Program 2007
 Jessica Drenzek, Ph.D. Endocrinology and Reproductive Physiology Program 2007
 Jean Kwun, Ph.D. Animal Health and Biomedical Sciences, School of Veterinary Medicine

2007

Prashob Porayette, M.S. Endocrinology and Reproductive Physiology Program 2007

Oliver Richards, Ph.D. Cellular Molecular Biology Program 2010

Aparna Vidyasagar, Ph.D. Cellular and Molecular Pathology Graduate Program 2011

Sebastian Danobeitia, Ph.D. Cellular and Molecular Pathology; 2017

Danielle Fontaine, Ph.D. Endocrinology and Reproductive Physiology Program; 2016

Erin McMillan, PhD, Endocrinology and Reproductive Physiology Program; 2017

Fengfei Ma, PhD, Pharmaceutical Sciences, 2018

Bayley Waters, PhD candidate Endocrinology and Reproductive Physiology, TBD

Zihui (Jerry) Li, PhD, Chemistry, 2021

Dylan Tabang, PhD candidate, Analytical Chemistry, TBD

Cyrus Rustam Sethna, PhD candidate, Cell and Molecular Biology, TBD

Feixuan (Faye) Wu, PhD candidate, Pharmaceutical Sciences, TBD

BIBLIOGRAPHY

JOURNAL PUBLICATIONS

1. **Odorico JS**, Barker CF, Posselt AM, Naji A: Induction of donor specific tolerance to rat cardiac allografts by intrathymic inoculation of bone marrow. *Surgery* 112:370-377, 1992.
2. Posselt AM, **Odorico JS**, Barker CF, Naji A: Promotion of pancreatic islet allograft survival by intrathymic transplantation of bone marrow. *Diabetes* 41:771-776, 1992.
3. **Odorico JS**, Markmann JF, Posselt AM, Barker CF, Naji A: Intrathymic inoculation of purified T cells induces unresponsiveness to rat cardiac allografts. *Surg Forum* 43:411-412, 1992.
4. Markmann JF, Bassiri H, Desai NM, **Odorico JS**, Kim JI, Koller BH, Smithies O, Barker CF: Indefinite survival of MHC class I deficient murine pancreatic islet allografts. *Transplantation* 54:1085-1089, 1992.
5. Posselt AM, Barker CF, Roark JH, **Odorico JS**, Markmann JF, Koeberlein B, Naji A: Intrathymic transplantation of pancreatic islets. *Diabet Nutr Metab* 5 (Suppl. 1):139-143, 1992.
6. **Odorico JS**, Barker CF, Markmann JF, Posselt AM, Naji A: Prolonged survival of rat cardiac allografts after intrathymic inoculation of donor thymocytes. *Transplant Proc* 25:295-296, 1993.
7. Desai NM, Bassiri H, **Odorico JS**, Koller BH, Smithies O, Naji A, Barker CF, Markmann JF: Pancreatic islet allograft and xenograft survival in CD8⁺T lymphocyte-deficient recipients. *Transplant Proc* 25:961-962, 1993.
8. Campos L, Alfrey EJ, Posselt AM, **Odorico JS**, Naji A, Barker CF: Intrathymic inoculation of donor cells promotes survival of rat orthotopic liver allografts. *Transplant Proc* 25:488-489, 1993.

9. Markmann JF, Bassiri H, Desai NM, Kim JI, **Odorico JS**, Barker CF: Donor antigen - specific T lymphocyte deletion after intrathymic injection. *Transplant Proc* 25:305-306, 1993.
10. **Odorico JS**, Posselt AM, Naji A, Markmann JF, Barker CF: Promotion of rat cardiac allograft survival by intrathymic inoculation of donor splenocytes. *Transplantation* 55:1104-1107, 1993.
11. Markmann JF, **Odorico JS**, Bassiri H, Desai NM, Kim JI, Barker CF: Deletion of donor-reactive T lymphocytes in adult mice after intrathymic inoculation with lymphoid cells. *Transplantation* 55:871-876, 1993.
12. Campos L, Alfrey EJ, Posselt AM, **Odorico JS**, Barker CF, Naji A: Prolonged survival of rat orthotopic liver allografts after intrathymic inoculation of donor - strain cells. *Transplantation* 55:866-870, 1993.
13. **Odorico JS**, Barker CF, O'Connor T, Posselt AM, Naji A: Examination of the mechanisms responsible for tolerance induction following intrathymic inoculation of allogeneic bone marrow. *Ann Surg* 218:525-533, 1993.
14. Markmann JF, Desai NM, Kim JI, Bassiri H, **Odorico JS**, Barker CF: Vulnerability of class I deficient mouse islet allografts to secondary but not primary alloimmunity. *Surg Forum* 44:446-448, 1993.
15. Rayhill SC, **Odorico JS**, Heisey DM, Wilson MA, Pirsch JD, D'Alessandro AM, Knechtle SJ, Eckhoff DE, Belzer FO, Sollinger HW: Clinical and laboratory features of pancreatic transplant bladder leaks. *Transplant Proc* 27:3141-3142, 1995.
16. Rayhill SC, **Odorico JS**, Heisey DM, Wilson MA, Pirsch JD, D'Alessandro AM, Knechtle SJ, Belzer FO, Eckhoff DE, Sollinger HW: A comparison of the sensitivities of contrast and isotope voiding cystourethrograms for the detection of pancreas transplant bladder leaks. *Transplant Proc* 27:3143-3144, 1995.
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19. Kirk AD, Heisey DM, D'Alessandro AM, Knechtle SJ, **Odorico JS**, Rayhill SC, Sollinger HW, Pirsch JD: Clinical hepatitis after transplantation of hepatitis C virus positive kidneys: HLA-DR3 as a risk factor for the development of post-transplant hepatitis. *Transplantation* 62:1758-1762, 1996.
20. **Odorico JS**: Underutilization of the potential for cadaver pancreas donation. *Transplant Proc* 29(8):3311-3312, 1997.

21. Van der Werf WJ, D'Alessandro AM, Knechtle SJ, Pilli G, Hoffmann RM, Judd RH, **Odorico JS**, Kirk AD, Rayhill SC, Sollinger HW, Kalayoglu M: Infant pediatric liver transplantation results equal those for older pediatric patients. *J Pediatric Surg* 33(1):20-23, 1998.
22. **Odorico JS**, Rayhill SC, Heisey DM, Knechtle SJ, D'Alessandro AM, Pirsch JD, Sollinger HW: Immunologic risk of combined kidney-pancreas transplantation. *Transplant Proc* 30(2):249-250, 1998.
23. **Odorico JS**, Heisey DM, Voss BJ, Steiner DS, Knechtle SJ, D'Alessandro AM, Hoffmann RM, Sollinger HW: Donor factors affecting outcome after pancreas transplantation. *Transplant Proc* 30(2):276-277, 1998.
24. Van der Werf WJ, **Odorico JS**, D'Alessandro AM, Knechtle SJ, Pirsch JD, Kalayoglu M, Sollinger HW: Enteric conversion of bladder drained pancreas allografts: experience in 95 patients. *Transplant Proc* 30(2):441-442, 1998.
25. Sollinger HW, **Odorico JS**, Knechtle SJ, D'Alessandro AM, Kalayoglu M, Pirsch JD: Experience with 500 simultaneous pancreas-kidney transplants. *Ann Surg* 228(3):284-296, 1998.
26. **Odorico JS**, Hakim MN, Becker YT, Van der Werf W, Musat A, Knechtle SJ, D'Alessandro AM, Kalayoglu M: Liver transplantation as definitive therapy for complications following arterial embolization for hepatic manifestations of hereditary hemorrhagic telangiectasia. *Liver Transpl Surg* 4(6):483-490, 1998.
27. D'Alessandro AM, Pirsch JD, Knechtle SJ, **Odorico JS**, Van der Werf WJ, Collins BH, Becker YT, Kalayoglu M, Armbrust MJ, Sollinger HW: Living unrelated renal donation (LURD): the University of Wisconsin experience. *Surgery* 124(4):604-611, 1998.
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29. Djamali A, **Odorico JS**: Fas-mediated cytotoxicity is not required for rejection of murine nonvascularized heterotopic cardiac allografts. *Transplantation* 66(12):1793-1801, 1998.
30. Pirsch JD, **Odorico JS**, D'Alessandro AM, Knechtle SJ, Becker BN, Sollinger HW: Post-transplant infection in enteric versus bladder-drained simultaneous pancreas-kidney transplant recipients. *Transplantation* 66(12):1746-1750, 1998.
31. Becker BN, Becker YT, Heisey DM, Levenson GE, Collins BH, **Odorico JS**, D'Alessandro AM, Knechtle SJ, Pirsch JD, Sollinger HW: The impact of hypoalbuminemia in kidney-pancreas transplant recipients. *Transplantation* 68(1):72-75, 1999.
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33. Becker BN, **Odorico JS**, Becker YT, Levenson G, McDermott JC, Grist T, Sproat I, Heisey DM, Collins BH, D'Alessandro AM, Knechtle SJ, Pirsch JD, Sollinger HW:

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 35. Becker BN, Brazy PC, Becker YT, **Odorico JS**, Pintar TJ, Collins BH, Pirsch JD, Levenson GE, Heisey DM, Sollinger HW: Simultaneous pancreas-kidney transplant reduces excess mortality in Type I diabetic patients with end-stage renal disease. *Kidney Int* 57(5):2129-2135, 2000.
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 42. Jacobson LM, Kahan BW, Djamali A, Thomson JT, **Odorico JS**: Differentiation of endoderm derivative pancreas and intestine from rhesus ES cells. *Transplant Proc* 33:674, 2001.
 43. **Odorico JS**, Kaufman DS, Thomson JA: Multilineage differentiation from human embryonic stem cell lines. *Stem Cells* 19:193-204, 2001.
 44. Shames BD, **Odorico JS**, D'Alessandro AM, Pirsch JD, Sollinger HW: Surgical repair of transplant renal artery stenosis with preserved cadaveric iliac artery grafts. *Ann Surg* 237:116-122, 2003.

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- pancreas-kidney transplantation from donation after cardiac death: successful long term outcomes. *Ann Surg* 242:716-723, 2005.
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 65. Pascual J, Samaniego MD, Torrealba JR, **Odorico JS**, Djamali A, Becker YT, Voss B, Levenson GE, Knechtle SJ, Sollinger HW, Pirsch JD: Antibody-mediated rejection of the kidney after simultaneous pancreas-kidney transplantation. *J Am Soc Nephrol* 30;19(4):812-824, 2008.
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72. Pascual J, Pirsch JD, **Odorico JS**, Torrealba JR, Djamali A, Becker YT, Voss B, Levenson GE, Knechtle SJ, Sollinger HW, Samaniego-Picota MD: Alemtuzumab induction and antibody-mediated kidney rejection after simultaneous pancreas-kidney transplantation. *Transplantation* 87(1):125-132, 2009.
73. Vincent RK, **Odorico JS**: Reduced serum concentration is permissive for increased in vitro endocrine differentiation from murine embryonic stem cells. *Differentiation* 78(1):24-34, 2009.
74. Torrealba JR, **Odorico J**: Antibody-mediated rejection of the pancreas allograft. *Transplantation* 88(2):292-293, 2009.
75. Sollinger HW, **Odorico JS**, Becker YT, D'Alessandro AM, Pirsch JD: One thousand simultaneous pancreas-kidney transplants at a single center with 22-year follow-up. *Ann Surg*. Aug 27. 250(4): 618-30, 2009.
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235. Xu X, Browning V, **Odorico J**. Investigating factors affecting beta cell differentiation from human embryonic stem cells. IPITA 2013, Monterey, CA.
236. Nair G, **Odorico J**. Modeling pancreas development in vitro by ectopic expression of PTF1a in murine ESCs. IPITA 2013, Monterey, CA.
237. Sackett S, Li X, Tremmel D, O'Brien C, Nair G, Xu X, **Odorico J**. Endocrine specification and maturation of human pluripotent stem cell-derived pancreatic progenitors. ISSCR 2014, Vancouver, BC, Canada.
238. Patil V, Welch B, Levenson G, Sollinger H, Kaufman D, **Odorico J**. Early Pancreas Thrombosis (within 90 days) after Solitary Pancreas Transplants: A Comprehensive Study of the Incidence, Outcomes and Risk Factors. World Transplant Congress 2014, San Francisco, CA.
239. Rizzari M, Gruessner AC, Redfield R, Ahmed E, McCune K, Kaufman D, Sollinger H, Gruessner R, **Odorico J**. Pancreas Retransplantation: a 10-Year Report of International Pancreas Transplant Registry (IPTR) Outcomes. World Transplant Congress 2014, San Francisco, CA.
240. Rizzari M, Gruessner AC, Redfield R, Ahmed E, McCune K, Kaufman D, Sollinger H, Gruessner R, **Odorico J**. Center Volume and Immunosuppression Impact Graft Survival in Pancreas Retransplantation. World Transplant Congress. 2014, San Francisco, CA.
241. Muth B, Astor B, **Odorico J**, Sollinger H, Mohamed M, Djamali A, Kaufman D. Kidney Delayed Graft Function is Associated with Early Pancreas Allograft Failure. World Transplant Congress 2014, San Francisco, CA.

242. Sackett S, Li X, Tremmel D, **Odorico J**. Development of human pancreatic extra-cellular matrix scaffold for endocrine specification and maturation of human stem cell-derived pancreatic progenitors. Cedar-Sinai Stem Cell Symposium 2014, Los Angeles, CA.
243. Sackett S, Tremmel D, Li X, O'Brien C, **Odorico J**. Development of human pancreatic ECM scaffold and hydrogel platforms for promoting endocrine function from human pluripotent stem cells. Midwest Islet Club 2015, Chicago, CA.
244. Scalea J, Sollinger H, Redfield R, Rizzari M, Kaufman D, **Odorico J**. Should age limits for pancreas transplantation be abandoned? A study of patient and graft survival in recipients 55 years old and older. American Society of Transplant Surgeons 15th Annual State of the Art Winter Symposium, Miami FL, January 2015. Abstract# P-157.
245. Redfield R, Rizzari M, Scalea J, **Odorico J**, Kaufman D, Sollinger H, Fernandez, L. The survival benefit of donation after cardiac death simultaneous Pancreas-Kidney transplantation in Type 1 Diabetics. American Society of Transplant Surgeons 15th Annual State of the Art Winter Symposium, Miami FL, January 2015. Abstract#P-158.
246. Carrico R, Fridell J, **Odorico J**, Stratta R, Tyler K, Niederhaus S, Kandaswamy R, Fisher J, Olaitan O, Mujtaba. Can post-transplant C-Peptide be used as an indicator of pancreas graft failure? 2015 American Transplant Congress, Philadelphia, PA, May 2-6, 2015.
247. Carrico R, Fridell J, **Odorico J**, Yeh H, Tyler K, Niederhaus S. Timing of decline in pancreas transplantation volumes corresponds to decline in size of pancreas waiting list. 2015 American Transplant Congress, Philadelphia, PA, May 2-6, 2015.
248. Scalea J, Redfield R, Arpali E, Levenson G, Sollinger H, Kaufman D, **Odorico J**. Pancreas transplantation in older patients. 2015 American Transplant Congress, Philadelphia, PA, May 2-6, 2015.
249. Radke N, Kaufman D, Sollinger H, Redfield R, **Odorico J**. Sirolimus rescue maintenance therapy for refractory pancreas rejection. 15th Joint International Congress of IPITA-CTS-IXA, Melbourne, Australia, November 15-19, 2015.
250. Tremmel D, Sackett SD, Li X, Roenneburg D, O'Brien C, Schell T, **Odorico JS**. Development of human pancreatic extracellular matrix scaffold and hydrogel platforms for promoting endocrine specification and function from human pluripotent stem cells. 15th Joint International Congress of IPITA-CTS-IXA, Melbourne, Australia, November 15-19, 2015.
251. Sackett SD, Tremmel D, Li Roenneburg D, O'Brien C, **Odorico JS**. Maturation of human pluripotent stem cell-derived pancreatic progenitors into monohormonal islet-like cells after transplantation to mice. 15th Joint International Congress of IPITA-CTS-IXA, Melbourne, Australia, November 15-19, 2015.
252. Eby B, Ellis T, Redfield R, Levenson G, Schenian A, **Odorico J**. Virtual HLA crossmatching using single antigen bead Luminex assays safely expedites transplantation of imported pancreata. 15th Joint International Congress of IPITA-CTS-IXA, Melbourne, Australia, November 15-19, 2015.

253. Redfield R, Zens T, Eby B, Ellis T, **Odorico J**. Incidence, outcomes, and predictors of De Novo donor specific antibody in pancreas transplantation. 15th Joint International Congress of IPITA-CTS-IXA, Melbourne, Australia, November 15-19, 2015.
254. Carrico R, Fridell J, **Odorico J**, Yeh H, Tyler K, Niederhaus S. Timing of decline in pancreas transplant volumes corresponds to decline in size of pancreas waiting list. 15th Joint International Congress of IPITA-CTS-IXA, Melbourne, Australia, November 15-19, 2015.
255. Arpali E, Redfield R, Scalea J, Sollinger H, Kaufman D, **Odorico J**. Does performing simultaneous kidney and pancreas biopsies in SPK recipients make a difference in long term graft survival? American Society of Transplant Surgeons 16th Annual State of the Art Winter Symposium, Miami, FL, January 2016.
256. Arpali E, Redfield R, Kaufman D, Sollinger H, Welch B, Levenson G, **Odorico J**. Donor hemoglobin A1C levels do not predict pancreas graft survival outcomes. American Society of Transplant Surgeons 16th Annual State of the Art Winter Symposium, Miami, FL, January 2016.
257. Ma F, Lietz C, Tremmel D, Dutton Sackett S, **Odorico J**, Li L. In depth quantification of extracellular matrix proteins from human pancreas for tissue engineering. 64th American Society for Mass Spectrometry Conference, San Antonio, Texas, June 5-9, 2016. Abstract ID #280102.
258. Salahuddin S, Astor B, Parajuli S, Djamali A, **Odorico J**, Mandelbrot D. Outcomes with steroids alone for biopsy-proven pancreas transplant rejection. 2016 American Transplant Congress, Boston MA, June 11-15, 2016.
259. Stratta R, Gruessner A, **Odorico J**, Fridell J, Rogers J, Farney A, Orlando G, Gruessner R. Why are pancreas transplants declining in the United States in the past decade? 2016 American Transplant Congress, Boston MA, June 11-15, 2016.
260. Carrico R, Fridell J, **Odorico J**, Niederhaus S. Is facilitated pancreas allocation effective? 2016 American Transplant Congress, Boston MA, June 11-15, 2016. Abstract #297.
261. Carrico R, Fridell J, **Odorico J**, Stewart Z. How did the new kidney and pancreas allocation systems effect pancreas utilization in the first six-months? 2016 American Transplant Congress, Boston MA, June 11-15, 2016. Abstract # 298.
262. Parajuli S, Djamali A, Astor B, Sollinger H, Kaufman D, Redfield R, **Odorico J**, Mandelbrot D. Incidence and indications for pancreatectomy after late pancreas allograft failure. 2016 American Transplant Congress, Boston MA, June 11-15, 2016. Abstract #487.
263. **Odorico, JS**: February 2017 pancreas transplantation for Type 2 Diabetes. University of Wisconsin School of Medicine and Public Health. [HTML] surgery.wisc.edu
264. Parajuli S, Astor B, Djamali A, Redfield R, Arpali E, Kaufman D, **Odorico J**, Mandelbrot D. Lessons learned from simultaneous biopsies of both kidney and pancreas grafts in recipients of simultaneous kidney-pancreas transplants. University of Wisconsin at American Transplant Congress 2017, Chicago, IL, April 29-May 3, 2017.
265. Curry M, **Odorico J**, Fridel J. The benefits of pancreas after kidney (PAK) transplantation. American Transplant Congress 2017, Chicago, IL, April 29-May 3, 2017.

266. Stock P, Mannon R, Armstrong B, Ikle D, Robian M, Morrison Y, **Odorico J**, Fridell J, Mehta A, Newell K. Co-simulation blockade to minimize and withdraw long term calcineurin inhibitors (CNI) in simultaneous pancreas and kidney transplant (SPK). American Transplant Congress 2017, Chicago, IL, April 29-May 3, 2017.
267. Fose J, Rolling K, Menninga N, Levenson G, Jorgenson M, **Odorico J**, Redfield R. Impact of intensive dosing of mycophenolate on pancreas allograft survival. American Transplant Congress 2017, Chicago, IL, April 29-May 3, 2017.
268. Aziz F, Astor B, Parajuli S, Garg N, Muth B, Mandelbrot D, Djamali A, Kaufman D, **Odorico J**, Sollinger H, Mohamed M. Association of BK and CMV viremia with pancreas allograft survival among adults receiving simultaneous pancreas and kidney transplant: The Wisconsin allograft recipient database (WISARD). American Transplant Congress 2017, Chicago, IL, April 29-May 3, 2017.
269. Tremmel D, Sackett SD, Maguire R, Feeney A, Roenneburg D, **Odorico J**. Human pancreas ECM-derived platform for enhancement of beta cell differentiation and transplantation. 10th Annual Midwest Islet Club, Union South, Madison, WI, May 24-25, 2017.
270. Rodriguez A, Sackett SD, Tremmel D, **Odorico J**. Novel platform for transplantation of pluripotent stem cell-derived beta cells. 10th Annual Midwest Islet Club, Union South, Madison, WI, May 24-25, 2017.
271. Sackett SD, Brown M, Tremmel D, Zhou Y, Schell T, Roenneburg D, Burlingham W, **Odorico J**. Investigating the immunogenicity and efficacy of the syngeneically-transplanted iPSC-derived pancreatic β cells into humanized NSG mice. 10th Annual Midwest Islet Club, Union South, Madison, WI, May 24-25, 2017.
272. Redfield R, Levenson G, Welch B, **Odorico J**, Al-Qaoud T. The case for simultaneous pancreas kidney (SPK) transplantation for obese T2D patients. 16th International Congress of International Pancreas and Islet Transplant Association, Oxford, UK, June 20-23, 2017. Abstract ID PO1.4.
273. Fridell J, Curry M, **Odorico J**. Revisiting pancreas after kidney (PAK) transplantation. 16th International Congress of International Pancreas and Islet Transplant Association, Oxford, UK, June 20-23, 2017. Abstract ID PO1.8.
274. Tremmel D, Sackett SD, Maguire R, Feeney A, Curran A, Ignatowski M, Jain V, Roenneburg D, **Odorico J**. Human pancreatic ECM-derived platforms for in vitro and in vivo enhancement of beta cell differentiation and transplantation. 16th International Congress of International Pancreas and Islet Transplant Association, Oxford, UK, June 20-23, 2017. Abstract ID PO3.5.
275. Al-Qaoud T, **Odorico J**, Sollinger H, Kaufman D, Dib M, Welch B, Redfield R. Pancreas transplants from donors <30kg: are outcomes acceptable? 16th International Congress of International Pancreas and Islet Transplant Association, Oxford, UK, June 20-23, 2017. Abstract ID YI.1.
276. Kaufman D, Sollinger H, Redfield R, **Odorico J**. Evolution of pancreas transplant complexity over 20 years. 16th International Congress of International Pancreas and Islet Transplant Association, Oxford, UK, June 20-23, 2017. Abstract ID PO5.7.

277. Fridell J, Gustafson S, Thompson B, Prentice M, Curry M, **Odorico J**. Broadened allocation of pancreas transplants across compatible ABO blood types. 16th International Congress of International Pancreas and Islet Transplant Association, Oxford, UK, June 20-23, 2017. Abstract ID PO10.5.
278. Tremmel D, Sackett SD, Ma F, Lietz C, Li L, **Odorico J**. Mass spectrometry-based characterization of the human pancreatic matrisome. 16th International Congress of International Pancreas and Islet Transplant Association, Oxford, UK, June 20-23, 2017. Abstract ID PO12.2.
279. Kaufman D, Redfield R, **Odorico J**. Advancing pancreas allograft back-bench preparation using the LigaSure vessel sealing device. 16th International Congress of International Pancreas and Islet Transplant Association, Oxford, UK, June 20-23, 2017. Abstract ID V4.
280. Adler J, Redfield RR, Kaufman DB, **Odorico JS**. Isolated pancreas transplantation: Does rank list position matter for imported grafts? American Transplant Congress, Seattle, WA, June 2018.
281. Martinez E, Felix DC, Wiegel JJ, Al-Qaoud TM, Levenson GE, Condon AJ, Redfield RR, **Odorico JS**. Ideal body weight versus actual body weight for rabbit antithymocyte globulin induction in pancreas transplantation. American Transplant Congress, Seattle, WA, June 2018.
282. Forbes R, Niederhaus S, Fox A, Fridell J, Abrams P, Olaitan O, Kandeel F, Urban R, Curry M, **Odorico J**. Obesity is not associated with worse outcomes for Type 2 diabetic simultaneous pancreas-kidney (SPK) transplant recipients. American Transplant Congress, Seattle, WA, June 2018.
283. Descourouez J, Jorgenson M, Twigg A, Levenson G, **Odorico JS**, Redfield R. Evaluation of MPA dose on development of DSA following pancreas transplant. American Transplant Congress, Seattle, WA, June 2018.
284. Tremmel D, Sackett S, Feeney A, Maguire R, **Odorico JS**. Human pancreatic ECM scaffolds for islet culture and transplantation. American Transplant Congress, Seattle, WA, June 2018.
285. Dib MJ, Borden S, Schell T, Stahler P, Al-Qaoud T, Martinez E, Grodstein E, D'Alessandra A, **Odorico JS**, Fernandez L, Mezrich J, Redfield R, Foley D, Al-Adra D, Kaufman D. Use of surgically placed transversus abdominis plane (TAP) block catheter with local anesthetic infusion in renal transplantation. American Transplant Congress, Seattle, WA, June 2018.
286. Niederhaus S, Curry M, Fox A, Fridell J, **Odorico JS**. Consequences of being listed at a small pancreas program. American Transplant Congress, Seattle, WA, June 2018.
287. Adler J, Redfield RR, Kaufman DB, **Odorico JS**, Sollinger HW. Enteric conversion after bladder-drained pancreas transplantation: The Wisconsin experience. American Transplant Congress, Seattle, WA, June 2018.
288. Parajuli S, Alagusundaramoorthy S, Aziz F, Garg N, Redfield R, Sollinger H, Kaufman D, Djamali A, **Odorico JS**, Mandelbrot D. Outcomes of de novo donor-specific antibodies in pancreas transplant recipients. American Transplant Congress, Seattle, WA, June 2018.

289. Aziz F, Parajuli S, Salahuddin S, Harrold K, Djamali A, Astor B, **Odorico JS**, Mandelbrot D. How should pancreas transplant rejection be treated? American Transplant Congress, Seattle, WA, June 2018.
290. Soh C-L, Sackett SD, Odorico JS, Huangfu D. Can immunomodulated HESC-derive pancreatic beta cells resist destructive immune responses? International Society of Stem Cell Research, Melbourne, Australia 2018.
291. Holanda DG, Minervini M, Arend L, **Odorico JS**, Perosa M, Roufosse C, de Kort H, Reims HM, Reinholt FP, Goldberg JC, Honsova E, Voska L, Larsson E, Paraskevas S, Seshan S, Torrealba J, Papadimitriou J, Drachenberg C. Allograft Duodenal Cuff Biopsy as Surrogate in Evaluation of Pancreatic Transplant Rejection – A Multicenter Data Effort, The Transplantation Society Congress, Madrid, Spain, July 2018.
292. Martinez EJ, Pham PH, Welch B, Levenson G, Marka N, Sollinger HW, Kaufman DB, Redfield RR, **Odorico JS**. Analysis of biopsy proven rejection (BPR) in Type 1 (T1D) vs. Type 2 (T2D) diabetic patients after simultaneous pancreas-kidney transplantation (SPKT). ASTS Winter Meeting, Miami Beach, FL, January 2019
293. Urban R, **Odorico JS**, Niederhaus SV, Carrico R, Fox A. Policy Changes in Facilitated Pancreas Allocation Support Pancreas Utilization. American Transplant Congress, Boston, MA, June 2019.
294. Arunachalam A, Aziz F, Garg N, Mohammed M, Djamali A, **Odorico J**, Mandelbrot D, Parajuli S. Correlates of significant weight changes following pancreas alone transplantation, American Transplant Congress, Boston, MA, June 2019.
295. Al-Adra DP, **Odorico J**, Kaufman D, Redfield R, Connor JP. Optimizing patient blood management in simultaneous kidney and pancreas transplantation. American Transplant Congress, Boston, MA, June 2019.
296. Parajuli S, Aziz F, Garg N, Muth B, Djamali A, Redfield R, Kaufman D, **Odorico J**, Mandelbrot D, Sollinger H. Long-term survival after kidney-pancreas transplantation: Lessons from world largest series of long-term survivors. American Transplant Congress, Boston, MA, June 2019.
297. Parajuli S, Arunachalam A, Swanson K, Aziz F, Garg N, Redfield R, Kaufman D, Djamali, A, **Odorico J**, Mandelbrot D. Repeat pancreas transplant after pancreas graft failure in simultaneous pancreas and kidney transplants is associated with better kidney graft survival. American Transplant Congress, Boston, MA, June 2019.
298. Parajuli S, Arunachalam A, Swanson K, Aziz F, Garg N, Redfield R, Kaufman D, Djamali, A, **Odorico J**, Mandelbrot D. Outcomes after simultaneous kidney-pancreas vs. pancreas after kidney transplantation. American Transplant Congress, Boston, MA, June 2019.
299. Al-Adra DP, Odorico J, Kaufman D, Redfield R, O'Connor JP. Optimizing patient blood management in simultaneous kidney and pancreas transplantation. American Transplant Congress, Boston, MA, June 2019.

300. Feeney A, Tremmel D, Mitchell S, Sackett S, **Odorico J**. BMI is not universally predictive of pancreas and islet lipid content. 17th World Congress of the International Pancreas and Islet Transplant Association, Lyon, France July 2019.
301. Tremmel D, Dutton-Sackett S, Curran A, Feeney A, Mitchell S, Jain V, Quirini N, **Odorico J**. Pancreatic ECM co-culture enhances phenotypic maturity of stem cell-derived beta cells. 17th World Congress of the International Pancreas and Islet Transplant Association, Lyon, France July 2019.
302. Tremmel D, Dutton-Sackett S, Feeney A, Mitchell S, Jain V, **Odorico J**. Reconstructing the in vivo niche for improved islet culture and transplantation. 17th World Congress of the International Pancreas and Islet Transplant Association, Lyon, France July 2019.
303. Descourouez JL, Jorgenson MR, Felix DC, Wiegel JC, Levenson GE, Mandelbrot DA, Redfield RR, Odorico JS. Early Tacrolimus-LCP Conversion Due to Adverse Effects in Pancreas Transplant Recipients Improves Tolerance but Not Graft Survival. American Transplant Congress, Virtual, May 2020.
304. Jorgenson MR, Marka N, Levenson GE, Smith JA, Odorico JS. Cytomegalovirus Infection and Outcomes in Pancreas Transplant Recipients in the Prophylaxis Era. American Transplant Congress, Virtual, May 2020.
305. Jorgenson MR, Levenson GE, Marka N, Smith JA, **Odorico JS**. Geographic Distribution of Cytomegalovirus Serologies in Kidney and Pancreas Transplant Recipients. American Transplant Congress, Virtual, May 2020.
306. Parajuli S, Muth BL, Astor BC, Redfield RR, Mandelbrot D, **Odorico JS**, Djamali A, Kaufman DB. Delayed Kidney Graft Function in Simultaneous Pancreas-Kidney Transplant Recipients is Associated with Pancreas Allograft Failure. American Transplant Congress, Virtual, May 2020.
307. Parajuli S, Swanson K, Patel R; Aziz F, Garg N, Mohammed M, Redfield RR, Djamali A, Kaufman DB, **Odorico JS**, Mandelbrot D. Outcomes of Simultaneous Pancreas and Kidney Transplants based on Pre-Transplant Time on Dialysis. American Transplant Congress, Virtual, May 2020.
308. Forbes R, Urban R, Fox A, **Odorico J**, Niederhaus S. Implications for Facilitated Pancreas Transplant Allocation with the Removal of Donor Service Area. American Transplant Congress, Virtual, May 2020.
309. Tamburrini R, Hidalgo S, Levenson G, Kaufman DB, Neidlinger NA, Parajuli S, **Odorico JS**. Importing DCD pancreatic grafts: is it sound practice? 2021 IPITA Virtual Congress, Oct 2021.
310. Tamburrini R, Hidalgo S, Levenson G, Kaufman DB, Neidlinger NA, Parajuli S, **Odorico JS**. Importing pancreata for transplantation: An 18-year single center experience at the University of Wisconsin. 2021 IPITA Virtual Congress, Oct 2021.

PRESENTATIONS - EXTRAMURAL

1. "Induction of donor - specific tolerance to rat cardiac allografts by intrathymic inoculation of bone marrow," 53rd Annual Meeting of the Society of University Surgeons, Cincinnati OH, February 1992.
2. "Prolonged survival of rat cardiac allografts after intrathymic inoculation of donor thymocytes," 14th International Congress of the Transplantation Society, Paris, France, August 1992.
3. "Intrathymic inoculation of purified T cells induces unresponsiveness to rat cardiac allografts," 78th Clinical Congress of the American College of Surgeons, New Orleans LA, October 1992.
4. "Examination of the mechanisms responsible for tolerance induction following intrathymic inoculation of allogeneic bone marrow," 113th Annual Scientific Session of the American Surgical Association, Baltimore MD, April 1993.
5. "Intrathymic tolerance: Mechanisms involved in the induction of donor - specific unresponsiveness to cardiac allografts," Annual OrthoBiotech Transplant Fellows Workshop, New Orleans LA, November 1994.
6. "Influence of native nephrectomy on the incidence of recurrent disease following renal transplantation for glomerulonephritis," 21st Annual Scientific Meeting of the American Society of Transplant Surgeons, Chicago IL, May 1995.
7. "The impact of TIPSS on outcome of liver transplantation," 22nd Annual Scientific Meeting of the American Society of Transplant Surgeons, Dallas TX, May 1996.
8. "Underutilization of the potential for cadaver pancreas donation," 6th Congress of the International Pancreas and Islet Transplant Association, Milan, Italy, September 1997.
9. "Donor factors affecting outcome after pancreas transplantation," 6th Congress of the International Pancreas and Islet Transplant Association, Milan, Italy, September 1997.
10. "Enteric conversion of bladder drained pancreas allografts: experience in 95 patients," 6th Congress of the International Pancreas and Islet Transplant Association, Milan, Italy, September 1997.
11. "A study comparing mycophenolate mofetil (MMF) to azathioprine (AZA) in simultaneous pancreas-kidney (SPK) transplantation," 17th Annual Scientific Meeting of the American Society of Transplant Physicians, Chicago IL, May 1998.
12. "Intrathymic injection of anti-Fas monoclonal antibody prolongs cardiac allograft survival," 24th Annual Scientific Meeting of the American Society of Transplant Surgeons, Chicago IL, May 1998.
13. "In vivo gene transfer to the adult pancreas," Symposium on Gene Therapy at the Cold Spring Harbor Laboratory, Cold Spring Harbor NY, September 1998.
14. "Improved solitary pancreas transplant graft survival in the modern immunosuppressive era," 7th World Congress of the International Pancreas and Islet Transplant Association, Sydney, Australia, August 1999.

15. "A comparison of two different immunosuppressive regimens in simultaneous pancreas kidney (SPK) transplantation in the CellCept era," 7th World Congress of the International Pancreas and Islet Transplant Association, Sydney, Australia, August 1999.
16. "The impact of leakage of pancreatic exocrine secretions on pancreas transplant graft survival," 7th World Congress of the International Pancreas and Islet Transplant Association, Sydney, Australia, August 1999.
17. "Pancreatic gene expression in differentiating embryonic stem cells," 7th World Congress of the International Pancreas and Islet Transplant Association, Sydney, Australia, August 1999.
18. "Pancreas donation from controlled non-heart beating (NHB) donors," 7th World Congress of the International Pancreas and Islet Transplant Association, Sydney, Australia, August 1999.
19. "Advances in solitary pancreas transplantation," 5th International Spitzingsee Meeting on Pancreatic and Islet Transplantation--The New Millennium, Kuhtai, Austria, January 2000.
20. "Can we grow islets from embryonic stem cells?" 5th International Spitzingsee Meeting on Pancreatic and Islet Transplantation-The New Millennium, Kuhtai, Austria, 2000
21. "A multicenter trial of Simulect in combination with Neoral, CellCept, and steroids for the prevention of acute rejection in kidney-pancreas transplantation: a
22. low rate of rejection without recurrent diabetes mellitus," Transplant 2000, the First Joint Meeting of the American Society of Transplantation and the American Society of Transplant Surgeons, Chicago IL, May 2000.
23. "Pancreatic gene expression in differentiating embryonic stem cells," Transplant 2000, the First Joint Meeting of the American Society of Transplantation and the American Society of Transplant Surgeons, Chicago IL, May 2000.
24. "Pancreatic gene expression in differentiating embryonic stem cells," American Diabetes Association 60th Scientific Sessions, San Antonio TX, June 2000.
25. "Evolution of immunosuppression in pancreas transplantation," 18th International Congress of the Transplantation Society, Rome, Italy, August 2000.
26. "Results of solitary pancreas transplantation with enteric drainage: Is there a benefit of monitoring urinary amylase levels," 18th International Congress of the Transplantation Society, Rome, Italy, August 2000.
27. "Progenitors and differentiated progeny of pancreatic islet lineages derived by in vitro differentiation of embryonic stem cells," Cold Spring Harbor Laboratory Meeting, Stem and Progenitor Cells: Biology and Applications, Cold Spring Harbor NY, March 2001.
28. "Microarray expression analysis of acute rejection in human pancreas allografts," Transplant 2001. Chicago IL, May 2001.
29. "Experience with rapamycin in pancreas transplantation," Transplant 2001. Chicago IL, May 2001.

30. "Microarray expression analysis of acute rejection in human pancreas allografts," 8th Congress of the International Pancreas and Islet Transplantation Association, Innsbruck, Austria, June 2001.
31. "Expression profiling of acute rejection in human pancreas allografts by microarrays," Association for Academic Surgery 35th Annual Meeting, Milwaukee WI, November 2001.
32. "Infections in patients undergoing simultaneous pancreas-kidney (SPK) transplantation with Campath-1H (CAM)," 10th World Congress of the International Pancreas and Islet Transplant Association Geneva, Switzerland, May 6, 2005.
33. "Induction immunosuppression with alemtuzumab in simultaneous pancreas-kidney (SPK) transplantation," 10th World Congress of the International Pancreas and Islet Transplant Association, Geneva, Switzerland, May 6, 2005.
34. "Molecular markers and signaling pathways of acute pancreas allograft rejection identified by microarray analysis," American Transplant Congress, Seattle WA, May 23, 2005.
35. "Novel tetracycline-inducible murine ESC lines for the study of transcription factor regulation of pancreas development," Programming β -Cells Workshop, El Perelló, Spain, October 2006.
36. "Kidney function after solitary pancreas transplantation," CTS-IPITA-IXA 2007 Joint Conference, Minneapolis, MN, September 2007.
37. "Outcomes of solitary pancreas transplants related to induction therapy and treatment type," XXII International Congress of TTS, Sydney, Australia, August 2008.
38. "Investigating the immunogenicity of autologous iPSC-derived pancreatic beta cells into humanized NSG mice. 17th International Congress of IPITA, Oxford, UK, June 2017.

INVITED PRESENTATIONS – EXTRAMURAL

1. "Overview of new immunosuppressives," First Annual Folkert O. Belzer Conference on New Strategies in Transplantation, Egg Harbor WI, October 1995.
2. "The cadaver organ donor shortage problem," Donor Awareness panel discussion sponsored by the Health Occupations Student Association at East High School, Madison WI, January 1996.
3. "Pancreas organ shortage in the U.S. - defining the problem," UNOS Region 7 Meeting-Fall Forum, Brookfield WI, October 1997.
4. "Pancreas transplantation: new advances and beneficial effects on end organ complications of diabetes," Visiting Professor Presentation at Marshfield Clinic, Marshfield WI, April 1998.
5. "Overview of kidney/pancreas and solitary pancreas transplantation," Folkert O. Belzer Conference on New Strategies in Transplantation, Oshkosh WI, April 1998.
6. "New advances in pancreas transplantation," Organ Transplant Support Meeting, Naperville IL, June 1998.

7. "New immunosuppressive agents," Advances in Transplantation: Current Nursing Issues and Clinical Perspectives, San Antonio TX, November 1998
8. "Pancreas donation and utilization: Can we do better?" Association of Organ Procurement Organizations Workshop, San Antonio TX, January 1999.
9. "Organ procurement and placement considerations for pancreas transplantation," South-Eastern Organ Procurement Foundation Scientific Session, Orlando FL, January 1999.
10. "New advances in pancreas transplantation," 7th Douglas T. Miller Symposium on Organ Procurement and Transplantation, Wisconsin Dells WI, April 1999.
11. "Stem cell transplantation-a new frontier?" Luncheon Workshop, The American Society of Transplantation 18th Annual Meeting (co-moderated with R. Alta Charo). May, 1999.
12. "Emerging technologies for the treatment of IDDM," Watertown Hospital, CME Course, Watertown WI, November 1999.
13. "Pancreatic gene expression in differentiating embryonic stem cells," Stem Cells and Pancreatic Development Workshop, National Institutes of Health, Bethesda MD, April 2000.
14. "Pancreatic islet cells derived from embryonic stem cells," 157th Meeting of the Society of Clinical Surgery, Madison WI, November 2000.
15. "Stem cells for transplantation," Oscar Salvatierra Transplant Fellows Symposium, Scottsdale AZ, October 2001.
16. "Embryonic stem cells for study of islet ontogeny and generation of transplantation therapies," Pancreatic Development, Proliferation and Stem Cells Meeting at NIH, Bethesda MD, October 2001.
17. "Developing transplantation therapies from human embryonic stem cells." Physician Leadership Forum, Lake Geneva, WI, August, 2001
18. "Pancreatic islet cells from embryonic stem cells for transplantation: The hope and the reality." Northeast Wisconsin Chapter of the Juvenile Diabetes Research Foundation, Appleton, WI, November 2001.
19. "Therapeutic use of embryonic stem cells," International Diabetes Intervention Group Meeting, Copenhagen, Denmark, December 2001.
20. "Human ES cells: biology and clinical applications in transplant medicine," UW Graduate School Course ERP 875 "Selected Topics in Endocrinology," Madison WI, March 2002.
21. "Pancreatic islet development: What we know and what we don't," Waisman Center Stem Cell Journal Club, Madison WI, March 2002.
22. "Differentiating embryonic stem cells into pancreatic cells and islet endocrine cells," Alpha 1 Foundation Critical Issues Workshop Series—Stem Cell Therapies in Reparative Medicine, Miami FL, April 2002.

23. "Treating diabetes with embryonic stem cells," JDRF Gala, Madison WI, April 2002.
24. "Generating pancreatic islet lineages from embryonic stem cells," 7th Oxford Diabetes Workshop: New Frontiers in the Treatment and Prevention of Type 1 Diabetes and Its Complications, Oxford UK, August 2002.
25. "Pancreatic islet lineages from embryonic stem cells," Department of Surgery Conference, University of Cambridge, Cambridge UK, August 2002.
26. "Differentiating embryonic stem cells into gut/pancreatic endocrine cells," 14th International Symposium on Regulatory Peptides, Boston MA, September 2002.
27. "Optimizing immunosuppression in pancreas transplantation," Fifth Annual Midwest Kidney-Pancreas Advisory Panel, Kohler WI, September 2002.
28. "Generation of pancreatic islet lineages from embryonic stem cells," Festschrift in honor of Clyde F. Barker MD, University of Pennsylvania, Philadelphia PA, September 2002.
29. "Islet lineage differentiation from murine embryonic stem cells reproduces many features of normal islet development," Beta Cell Biology Consortium Investigator Retreat, November 2002.
30. "Islet cell transplantation," The Ninth Douglas T. Miller Symposium on Organ Donation and Transplantation, Wisconsin Dells WI, April 2003.
31. "Stem cell research and diabetes," Patient Advocacy Groups Forum, Waisman Center, Madison WI, May 19, 2003.
32. "Experience with pancreas biopsies," 9th Congress of the International Pancreas and Islet Transplant Association, Dublin, Ireland, July 2003.
33. "Embryonic stem cells: a model to study islet development," 9th Congress of the International Pancreas and Islet Transplant Association, Dublin, Ireland, July 2003.
34. "Stem cells and therapeutic cloning," State Senate Judiciary, Corrections and Privacy Committee-Biotechnology/Stem Cell Forum, UW Research Park, Madison WI, August 20, 2003.
35. "Management of kidney/pancreas transplant," Renal Grand Rounds, Kaiser Permanente Medical Center, Los Angeles CA, September 8, 2003.
36. "Management of kidney/pancreas transplant," Nephrology Roundtable, Kaiser Permanente Medical Center, San Diego CA, September 8, 2003.
37. "Embryonic stem cells: a model to study islet development," Roche Organ Transplantation Research Foundation (ROTRF) Symposium Advancing the Science of Solid Organ Transplantation at the European Society of Organ Transplantation 2003, Venice, Italy, September 21, 2003.
38. "Indications/contraindications to kidney transplantation," Marshfield Clinic Nephrology Continuing Medical Education Videoconference, February 6, 2004.

39. "Progress in generating new islets from embryonic stem cells," The Western Wisconsin Chapter of the Juvenile Diabetes Research Foundation and UW Health Hospital and Clinics—Searching for the Cure Around the World, Madison WI, March 30, 2004.
40. "Generation of pancreatic islet lineages from embryonic stem cells," American Transplant Congress 2004, Boston MA, May 18, 2004.
41. "Pancreatic islet lineages from embryonic stem cells: Can we make more islets?" Transplant Grand Rounds, Mayo Clinic, Rochester MN, July 19, 2004.
42. "Cell engineering for the treatment of diabetes," XX International Congress of the Transplantation Society, Vienna, Austria, September 2004.
43. "Replacement vs. regenerative strategies," Luncheon Workshop, XX International Congress of the Transplantation Society, Vienna, Austria, September 2004.
44. "Stem cell therapies for diabetes." State Senate Judiciary, Corrections and Privacy Committee-Biotechnology/Stem Cell Forum, UW Research Park, Madison WI. Sept. 15, 2004.
45. "Pancreatic lineages from ES cells: Can we make more islets?" Transplant Grand Rounds, Starzl Transplantation Institute, Pittsburgh PA, September 24, 2004.
46. "Pancreatic lineages from ES cells: Can we make more islets?" University of Pennsylvania Transplant Conference, Philadelphia PA, October 27, 2004.
47. "Beta cell transplants and stem cell research," Diabetes Section Web Portal Interview with Tom Csiba, December 8, 2004.
48. "Embryonic stem cell research update," Juvenile Diabetes Research Foundation Fellows Research Forum 2005: Therapeutic Approaches to Cure Type 1 Diabetes, Chantilly VA, March 18, 2005.
49. "Advances in stem cell research at UW-Madison," UW-Madison Alumni Club of Connecticut Founders' Day Celebration 2005, New Haven CT, April 27, 2005.
50. "Immunosuppressive management of pancreas transplants." Kaiser-Permanente Coordinators Conference, Denver CO, September 5, 2005.
51. "Advances in stem cell research at UW-Madison," Wisconsin Alumni Club of Boston Founders' Day, Boston MA, April 28, 2005.
52. "Hurdles towards applying human embryonic stem cells for treating diabetes," California Institute for Regenerative Medicine – Stem Cell Research: Charting New Directions for California, San Francisco CA, October 2, 2005.
53. "ES cells to endoderm and pancreatic islets," Northern Illinois University Center for Biochemical and Biophysical Studies Graduate Program, DeKalb IL, November 11, 2005.
54. "Making beta cells from ESCs: Progress towards diabetes therapeutics," Froedert Hospital Transplant Rounds, Milwaukee WI, November 21, 2005.

55. "Making beta cells from ESCs: Progress towards diabetes therapeutics," UW Foundation Faculty Showcase, Wrigley Mansion, Phoenix AZ, December 7, 2005.
56. "Generating beta cells from ESCs for transplantation," University of Minnesota Transplantation Grand Rounds, Minneapolis MN, November 15, 2006.
57. "Understanding developmental signals regulating definitive endoderm and pancreas specification from human ESCs," University of Connecticut Stem Cell Seminar Series, Center for Regenerative Biology Visiting Professor, Farmington CT, November 29, 2006.
58. "Stem cells and surrogate beta cells for transplantation," 40th Anniversary Pancreas Transplant Symposium, University of Minnesota, Minneapolis MN, December 8, 2006.
59. "Pancreas transplantation" CME Course, Oshkosh Hospital, Oshkosh, WI, March 2007.
60. "Programming endoderm and beta cells from embryonic stem cells," Immunobiology and Transplantation Biology, University of Maryland, Baltimore, MD, April 2007.
61. "Pathological diagnosis of acute rejection in the pancreas: a surgeon's perspective." 9th Banff Conference on Allograft Pathology, La Coruña, Spain, June 25, 2007.
62. "Stem cell therapy for diabetes," Transplant Ethics Course, Mayo Clinic, Rochester MN, February 8-9, 2007.
63. "Promise and scientific challenges of developing a stem cell based therapy for diabetes." Advances in Therapeutic Discovery and Drug Development: Preclinical Cell-Based Therapy Research, Augusta, MI, August 16, 2007.
64. "Islet regeneration from embryonic stem cells," invited plenary session talk at CTS-IPITA-IXA Joint Meeting, Minneapolis, MN September 2007.
65. "New trends in islet and pancreas transplantation: Are islets ready for prime time?" Optum Health Clinical Conference, Minneapolis, MN October 1, 2007.
66. "Long term management of the pancreas transplant patient: Case studies with panel discussion," ASTS Inaugural Surgical Fellows Symposium, Maui, Hawaii, November 10, 2007.
67. "Stem cell therapy for diabetes," Central Wisconsin Ethics of Stem Cell Research Conference, Wausau, Wisconsin, April 22, 2008.
68. "Pancreas after kidney transplantation: Who and when?" State-of-the-art symposium, XXII International Congress of the Transplantation Society, Sydney, Australia, August 2008.
69. "Towards a stem cell therapy for diabetes: Recapitulating signals of pancreas development in embryonic stem cells," University of Chicago, August 25, 2008.
70. "Diabetes," Moderated Session, 2008 World Stem Cell Summit, Madison, WI, September 23rd, 2008.
71. "Evaluation of the potential pancreas transplant candidate," 2nd Annual ATS Fellows Symposium, Kiawah Island, SC, November 2008.

72. "Pancreas transplantation – a cure for type 1 diabetes, but for whom?" 4th Annual Chicago Diabetes Day, University of Chicago, Chicago, IL, May 16, 2009.
73. "Risk benefit ratio of PAK: Is there a case for LD kidney or SPK as the only choice?" Invited plenary presentation at IPITA/IXA Joint Meeting, Venice, Italy, October 2009.
74. "Stem cells and regenerative medicine: The future of transplantation," ASTS Winter Symposium, Ft. Lauderdale, FL, January 2010.
75. "Pancreas transplant case presentations," Panelist, ASTS Winter Symposium, Ft. Lauderdale, FL, January 2010.
76. "Pancreas transplantation 2010: Advances made from 1200 pancreas transplants," Community Memorial Medical Center, Froedert Hospital and Medical College of Wisconsin, Menomonee Falls, WI, May 2010.
77. "Pancreas and islet transplantation – Options for patients with IDDM," presented to Diabetes Educators of Chicago Chapter of the American Association of Diabetes Educators (DECAADE), Elmhurst, IL, May 2010.
78. "Criteria for selection of pancreas donors," invited keynote speaker to the VI Congress of the Brazilian Liver and Pancreas Transplantation Society, Porto de Galinas, Brazil, October 2010.
79. "PAK vs. SPK transplants," VI Congress of the Brazilian Liver and Pancreas Transplantation Society, Porto de Galinas, Brazil, October 2010.
80. "Diagnosis and treatment of surgical complications after pancreas transplantation," VI Congress of the Brazilian Liver and Pancreas Transplantation Society, Porto de Galinas, Brazil, October 2010.
81. "Maximizing organ donation: Experience with liver and pancreas transplantation from DCD donors at the University of Wisconsin," invited keynote speaker to the VI Congress of the Brazilian Liver and Pancreas Transplantation Society, Porto de Galinas, Brazil, October 2010.
82. "Immunosuppression in pancreas transplantation," VI Congress of the Brazilian Liver and Pancreas Transplantation Society, Porto de Galinas, Brazil, October 2010.
83. "Can a busy transplant surgeon do research?" Career development seminar, ASTS Winter Symposium, Hollywood FL, January 2011.
84. "Pancreas vs. Islet Transplantation: A recipient's perspective," Invited plenary session presentation, 13th IPITA Congress, Prague, CZ, June 2011.
85. "Regenerating pancreatic beta cells from pluripotent stem cells," Visiting professor, Stem Cell Institute, University of Minnesota, June 2011.
86. "Stem cell strategies to cure diabetes," Invited presentation at 70th Annual Society of Developmental Biology Meeting Satellite Symposium "Translating Pancreatic Development to Treat Diabetes," Chicago, IL, July 2011.

87. "Pancreas and islet transplantation: Improving and expanding options for patients with insulin-dependent diabetes," Rockford 20th Annual Diabetes Conference, Rockford, IL, March 2012.
88. "Management and prognosis of antibody-mediated rejection of the pancreas allograft," American Transplant Congress, 2012, Boston, MA, June 2012.
89. "Bedside to Bench: Pancreas allograft rejection and stem-cell based therapies for treatment of Type 1 DM." Visiting professor at Universitatkllinikum Carl Gustav Carus, Dresden, Germany, July 2012.
90. "Progress and challenges in the quest for human pluripotent stem cell-derived beta cells," Cedars-Sinai Regenerative Medicine Institute 2nd Annual Stem Cell Symposium, Los Angeles, CA, September 2012.
91. "Generating functional beta cells from human pluripotent stem cells: Progress and challenges," 2nd Midwest Conference on Stem Cell Biology and Therapy, Oakland University, Rochester, MI, October 2012.
92. "Pluripotent stem cell-derived beta cells," invited presentation at Research Symposium for 80th Birthday Celebration for Dr. Clyde Barker, Philadelphia, PA, September 2012.
93. "PAK Transplantation," 3rd Joint AIDPIT/EPITA Workshop Meeting, Igls, Austria, January, 2013.
94. "The Era of Regenerative Medicine has arrived—Diabetes is Cured," ASTS Winter Meeting *Marginal Dreamin' Soapbox* Session, Miami, FL, January 2013.
95. "Pluripotent stem cell-derived beta cells," Derek Gray Festschrift Celebration, University of Oxford Nuffield Department of Surgery, April 2013.
96. "Definition of Pancreas Graft Failure" World Transplant Congress 2014.
97. "The Future of Pancreas Transplantation: Emerging Alternatives to Pancreas Transplantation" American Transplant Congress, May 2015.
98. "Human pancreatic extracellular matrix scaffold and hydrogel platforms for promoting endocrine specification and function from human pluripotent stem cells" presentation at Mayo Clinic Regenerative Medicine Center Symposium "Accelerating Pathways to Clinical Trials International Conference on Islet Regeneration and Replacement", September 2015.
99. "Measuring function and defining success in whole pancreas and islets" presentation at 2015 Joint Congress of IPITA-CTS-IXA, Melbourne, Australia, Nov 2015.
100. "Pancreas Transplantation - the American experience" presented at Asia Pacific Digestive Diseases Week – APDW, Taipei, Taiwan, December 2015.
101. "Pancreas Transplantation 2016", ASTS 16th Annual State-of-the-Art Winter Symposium, Miami, FL, January 2016.

102. "Beta Cell Transplantation for Diabetes: Past, Present and Future." General Surgery Grand Rounds at Northshore LIJ, Northwell Health systems, January 19, 2016; Manhasset, NY.
103. "Making More Beta Cells- Towards a pluripotent stem cell-based therapy for diabetes." University of Minnesota Stem Cell Institute, Minneapolis, MN, March 2016.
104. "How I do it: Donor and Recipient Selection." Presentation at ATC 2016, Boston, MA, June 2016.
105. "Present and Future of Islet Transplantation." Clinica Santa Maria Transplant Symposium, Santiago, Chile, October 20-12, 2016.
106. "Pancreas Transplantation: Indications and Results in 2016." Clinica Santa Maria Transplant Symposium, Santiago, Chile, October 20-12, 2016.
107. "SPK vs. PAK: Considering Options, which is better?" Clinica Santa Maria Transplant Symposium, Santiago, Chile, October 20-12, 2016.
108. "How to choose the ideal donor and recipient for pancreas transplantation to optimize results." Clinica Santa Maria Transplant Symposium, Santiago, Chile, October 20-12, 2016.
109. "Making more Beta Cells from Pluripotent Stem Cells." In debate format at the 7th Annual EPITA Symposium, Igls, Austria, January 30-31, 2017.
110. "Pancreas Transplantation 2017- Coming of Age, Expanding Indications, Current Outcomes." American Diabetes Association Clinical Update Symposium, Madison, WI, March 2017.
111. Introductory Comments, 50th Anniversary Celebration of the First Successful Human Pancreas Transplant, McNamara Center, University of Minnesota, Minneapolis, MN, May 2017.
112. "Modulation of human pluripotent stem cells and immunological implications for transplantation." Presentation at ATC 2017, Chicago, IL, May 2017.
113. "Wonder.... Innovation... Maturation... and Adaptation: The Evolution of Beta Cell Replacement." Presidential Address delivered at 17th International Congress of IPITA, Oxford, UK, June 2017.
114. "Translating Stem Cell Islet Sources to the Bedside." Invited presentation at 17th International Congress of IPITA, Oxford, UK, June 2017.
115. "Panel discussant on stem cell therapies for diabetes". NIH/FDA Regenerative Medicine Innovation Workshop: Endocrinology Session, Bethesda, MD, December 2017.
116. "Stem cells are the future of beta cell replacement", EPITA Meeting, Igls, Austria, January 2018
117. "Teaching Cases in Pancreas Transplantation" ASTS Winter meeting, Miami, Florida, January 2018.

118. "Pancreas Transplantation Update" American Diabetes Association Educators Conference, Chula Vista, WI, March 2018.
119. "Beta Cell Replacement for Diabetes: Past, Present and Future" Harvard University-Massachusetts General Hospital Transplant Grand Rounds, Boston, MA April 2018.
120. "Immunological Implications of Stem Cell-derived Beta Cell Transplants", 2nd Key Opinion Leaders Workshop Stem Cell-derived Beta Cells, Martin Center, Harvard University, Boston, MA, May 2018.
121. "An inducible genome engineering approach for preventing immune rejection of hESC-derived beta cells "JDRF Encapsulation Consortium Meeting, Boston, MA, May 2018.
122. "Pancreas Transplantation: How I do it- Diagnosis and Management of Pancreas Allograft Dysfunction" ATC Midday Didactic Session, June 2018.
123. "Beta Cell Replacement for Diabetes: Past, Present and Future" Loma Linda University, Transplant Grand Rounds, Loma Linda, CA June 2018.
124. "Beta Cell Replacement Therapy for Diabetes: The Solution is Stem Cells" Annual ADA Scientific Meeting, Orlando, Florida, June 2018.
125. "Beta Cell Replacement for Diabetes: Past, Present and Future" Georgetown University Transplant Grand Rounds, Washington DC, November 2018.
126. "Diagnosis and management of allograft dysfunction" American Transplant Congress, Seattle, WA, June 2018.
127. "Beta Cell Replacement for Diabetes: Past, Present and Future" Duke University Transplant Grand Rounds, Durham, NC, Jan 2019.
128. "20 years since the Discovery of stem cells at University of Wisconsin" presentation at UW Founders Day, Sedona Red Rocks Alumni Chapter, Sedona, Arizona, March 2019.
129. "ECM scaffolds and hydrogels from the human pancreas and influence on islet function" JDRF Beta Cell Replacement Consortium, NY, May 2019
130. "SPK vs PAK vs. LDK" invited presentation Sunrise Symposium, American Transplant Congress, Boston, MA, June 2019
131. "Pancreas transplantation for T2D" IPITA, Lyon, France, July 2019
132. "Dinosaur Challenge: Pancreas Transplantation" IPITA, Lyon, France, July 2019
133. "Pancreas Transplantation for T2D: Evidence-based practice" OPTUM Health Conference "Remarkable Strength: Bringing Transplant to Life," July 2019.
134. "Engineering Stem Cell-derived Islets for Immune Privilege" 55th Annual EASD Meeting, Barcelona, Spain, September 2019.

135. “Donor Specific Antibodies and Pancreas Transplant Outcomes” First World Consensus Conference on Pancreas Transplantation, Pisa, Italy October 17-19,2019
136. “Safety Aspects of Pluripotent Stem Cells” 10th EPITA Workshop, Igls, Austria, January 2020.
137. “Enteric Conversion after Bladder Drained Pancreas Transplants” 10th EPITA Workshop, Igls, Austria, January 2020.
138. “Donor Selection in Pancreas Transplantation,” IPITA Educational Curriculum Webinar, March 2021.
139. “Navigating All the Options for Uremic Diabetic Patients.” Virtual American Transplant Congress 2021, May 2021.
140. “Pancreas Transplantation 2021: Indications and Results in the Modern Era,” Medical College of Wisconsin Diabetes Symposium, May 2021.
141. “Pancreas Transplantation for T2D,” 2021 Virtual American Diabetes Association meeting, June 2021.
142. “Pancreas Transplantation for Patients with Type 2 Diabetes: Indications and Outcomes,” ESOT Congress 2021, August 2021.
143. “Prognosis and Treatment of Pancreas Allograft Rejection,” at the South American ITAC Conference Oct 2021.
144. “Immune Cloaking Stem Cell-derived Beta Cells for Transplantation, University of Colorado-Anschutz, Barbara Davis Diabetes Research Center, January 2022.
145. “Pancreas Transplantation for Patients with Type 2 Diabetes: Indications and Outcomes,” Emory University Transplant Grand Rounds, March 2022.
146. “Evolution of Beta Cell Replacement for the Treatment of Diabetes,” University of Pittsburgh Starzl Transplant Institute Transplant Grand Rounds, April 2022.
147. “Re-engineering the Islet Extracellular Niche,” AST-TERMIS Joint Webinar, May 2022.
148. “Reengineering the Islet Extracellular Niche,” Invited presentation at American Transplant Congress, Boston, June 2022.
149. “Transplantation Options for Patients with CKD and IDDM: Evidence guided decision making”, Invited Post graduate course presentation at TSANZ Meeting, Adelaide, Australia, June 2022.
150. “Stem –cell derived Islets: A Potential Beta Cell Replacement Therapy for All,“ Invited Masterclass presentation at TSANZ Meeting, Adelaide, Australia, June 2022.

151. "Lessons Learned from a Large Pancreas Transplant Program," Invited Keynote Plenary Session presentation at TSANZ Meeting, Adelaide, Australia, June 2022.
152. "Pancreas Transplantation for Patients with Type 2 Diabetes: Indications and Outcomes", British Transplantation Society Annual Congress, Belfast, Ireland, Sept 2022.
153. "Pancreas Transplantation for Patients with Type 2 Diabetes: Indications and Outcomes", Emory Transplant Center Grand Rounds, Virtual presentation, September 2022
154. "Clinico-pathological Correlations of Pancreas Allograft Biopsies" 2022 Banff-Canadian Transplant Society Joint Meeting, Banff, Canada, Sept 2022.
155. "Immune Cloaked Stem Cell-derived Beta Cells for Transplantation" 2022 Rachmiel Levine-Arthur Riggs Diabetes Research Symposium, City of Hope, CA, Dec 2022.
156. "Evolution of Beta Cell Replacement Therapy for Diabetes" University of Oxford Litchfield Lecturer, Oxford, UK, January 2023.

PRESENTATIONS - INTRAMURAL

1. "Incidentalomas of the adrenal gland: a modern disease," Basic Science Course, Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia PA, September 1988.
2. "Early vs. delayed excision and grafting of burns," Basic Science Course, Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia PA, February 1989.
3. "Soft tissue sarcomas," Basic Science Course, Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia PA, May 1989.
4. "Gastric physiology and surgery for benign diseases of the stomach," Basic Science Course, Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia PA, May 1990.
5. "Cancer immunotherapy," Basic Science Course, Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia PA, April 1991.
6. "Erythrocyte physiology," Basic Science Course, Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia PA, June 1991.
7. "Principles of transplantation," Medical Student Core Surgery Course, Hospital of the University of Pennsylvania, Philadelphia PA, March 1992.
8. "Gastrointestinal hormones," Basic Science Course, Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia PA, October 1992.
9. "Aortoiliac, femoropopliteal, and infrapopliteal occlusive disease," Vascular Surgery Conference, Department of Surgery, Hospital of the University of Pennsylvania, Philadelphia PA, December 1992.

10. "Preoperative evaluation of the renal transplant recipient," Clinical Transplant Conference, University of Wisconsin, Madison WI, July 1995.
11. "Overview of the pathophysiology of liver disease and evaluation of the prospective liver transplant candidate," Clinical Transplant Conference, University of Wisconsin, Madison WI, September 1995.
12. "New immunosuppressants in transplantation," Clinical Transplant Conference, University of Wisconsin, Madison WI, January 1996.
13. "Impact of TIPSS on liver transplantation," Clinical Transplant Conference, University of Wisconsin, Madison WI, March 1996.
14. "Isolated pancreas transplantation," Clinical Transplant Conference, University of Wisconsin, Madison WI, August 1996.
15. "Underutilization of potential cadaveric pancreas donation," Clinical Transplant Conference, University of Wisconsin, Madison WI, July 1997.
16. "New advances in the diagnosis and treatment of renal transplant artery stenosis," Surgical Grand Rounds, University of Wisconsin, Madison WI, February 1998.
17. "Erythrocyte physiology, transfusion therapy and blood substitutes," Basic Science Course Lecture, University of Wisconsin, Madison WI, October 1998.
18. "Review of recent pancreas transplant results from the University of Wisconsin," Clinical Transplant Conference, University of Wisconsin, Madison WI, September 1999.
19. "Update of the International Pancreas Transplant Registry," Clinical Transplant Conference, University of Wisconsin, Madison WI, November 1999.
20. "Therapeutic implications of ES cells," University of Wisconsin Department of Surgery Research Seminar, Madison WI, January 2000.
21. "Update on immunosuppression in pancreas transplantation," Clinical Transplant Conference, University of Wisconsin, Madison WI, September 2000.
22. "Pancreatic islet progenitor cells from ES cells," Residents' Research Conference, University of Wisconsin, Madison WI, April 2001.
23. "Chipping away at rejection: microarray analysis of pancreas allograft biopsies," Clinical Transplant Conference, University of Wisconsin, Madison WI, July 2001.
24. "Human embryonic stem cells: basic biology and therapeutic applications," with J. Thomson and D. Kaufman, Department of Medicine Grand Rounds, University of Wisconsin, Madison WI, November 2001.
25. "Pitfalls of microarray analysis," Residents' Research Conference, Department of Surgery, University of Wisconsin, Madison WI, January 2002.

26. "Human ES cells: basic biology and therapeutic applications," University of Wisconsin Department of Surgery Research Seminar Series in conjunction with James Thomson, Fluno Center, Madison WI, March 2002.
27. "The use of animals in research with embryonic stem cells." Laboratory Animal Resources: Biomedical Research Lecture, University of Wisconsin, Madison, WI, March, 2002
28. "Optimizing immunosuppression in pancreas transplantation," Clinical Transplant Conference, University of Wisconsin, Madison WI, September 2002.
29. "Generating pancreatic islet lineages from embryonic stem cells," Endocrinology and Reproductive Physiology Fall Seminar, Madison WI, October 2002.
30. "Generating pancreatic islet lineages from embryonic stem cells," Surgery Grand Rounds, University of Wisconsin, Madison WI, May 2003.
31. "Differentiation of embryonic stem cells to pancreatic islet lineages," Research Presentation for Dr. Alan Attie's Lab, Department of Biochemistry, University of Wisconsin, Madison WI, August 6, 2003.
32. "Embryonic stem cells 101," Clinical Transplant Conference, University of Wisconsin, Madison WI, September 29, 2003.
33. "Pancreatic islet differentiation from ES cells," Wisconsin Stem Cell Research Program First Annual Retreat, Madison WI, April 1, 2004.
34. "Transplantation applications of stem cells," Medical School Advisory Council Meeting, University of Wisconsin, Madison WI, September 2004.
35. "Cell engineering for the treatment of diabetes," University of Wisconsin Pathology Seminar Series, Madison WI, January 12, 2005.
36. "Differentiation of embryonic stem cells to islet lineages: A work in progress," University of Wisconsin Endocrine Grand Rounds, Madison WI, April 21, 2005.
37. "Pancreatic stem cells: Do they exist?" University of Wisconsin Stem Cell Training Program Lecture and Journal Club, Madison WI, April 2006.
38. "Signals directing early fate choices of human ESCs," University of Wisconsin Transplant Conference, Madison WI, September 25, 2006.
39. "Pancreatic stem cells," Fundamentals of Stem Cell Biology Course – Anatomy 675, Madison WI, October 25, 2006.
40. "Diabetes therapy-from insulin to embryonic stem cells," University of Wisconsin Medical Science Training Program Spring Symposium, Madison, WI, April 2007.
41. "Diagnosis of antibody-mediated rejection and acute cellular rejection in the pancreas allograft," University of Wisconsin Transplant Conference, Madison, WI, September 2007.
42. "Case studies in the diagnosis and management of pancreas transplant complications," University of Wisconsin Transplant Conference, Madison, WI, February 2008.

43. "Role of Ptf1a in programming pancreatic differentiation from ESCs." University of Wisconsin Diabetes Research Group Conference, Madison, WI, February 2008.
44. "ESCs to beta cells," University of Wisconsin Transplant Research Retreat, Madison, WI, March 2008.
45. "Role of Ptf1a in programming pancreatic differentiation from ESCs," Joint Research Symposium: "From Cells to Society," Pyle Center, Madison, WI April 2008.
46. "Stem cell therapy for diabetes," DART Symposium, Microbial Sciences Center Building, Madison, WI April 2008.
47. "Ptf1a directed pancreatic differentiation in ESCs," WiCell Staff Meeting, Madison, WI, December 2008.
48. "Regenerative medicine and stem cells for treating diabetes," University of Wisconsin Department of Surgery Grand Rounds, Madison, WI, March 2009.
49. "Making new β cells nature's way," University of Wisconsin Department of Surgery Research Summit Symposium, Madison, WI, May, 2009.
50. "Future of stem cells in treatment of disease," St. Mary's Retired Physician's Seminar, St. Mary's Hospital, Madison, WI, August 2009.
51. "Pancreas transplantation – A cure for type 1 diabetes, but for whom?" Marshfield Hospital Videoconference, August, 2009.
52. "Ptf1a induced pancreas specification from ESCs," University of Wisconsin Stem Cell and Regenerative Medicine Center Campus Meeting, Madison, WI, October, 2009.
53. "Selection of definitive endoderm-committed cells from ESCs," WiCell Staff Meeting, Madison, WI, December 2009.
54. "Pancreas transplantation - An update," UW Endocrinology Grand Rounds, March 2010.
55. "Stem cells and diabetes," UW Pediatric Endocrinology Grand Rounds, June 2010.
56. "Hypoglycemia before and after pancreas transplantation," UW Transplant Grand Rounds, June 2010.
57. "Pancreas transplantation: Optimizing results through donor selection," UW Transplant Grand Rounds, October 2010.
58. "Pancreas transplantation: Case studies of pancreas transplant surgical complications," UW Transplant Grand Rounds, November 2010.
59. "Pancreas transplantation: Advances made from over 1200 pancreas transplants," UW Madison CME Conference, April 2011.
60. "Successful management of pancreas transplant-related complications: Case studies and principles," UW Transplant Grand Rounds, November 2011.

61. "Practice principles for screening pancreas donors," OPO Grand Rounds, December 2011.
62. "Pluripotent stem cell-therapy for diabetes," UW Student Society of Stem Cell Research, April 2012.
63. "Pancreas allograft rejection," UW Transplant Grand Rounds, August 2012.
64. "Pancreas transplantation—what the hospitalist needs to know," Hospitalist Grand Rounds, February 2013.
65. "Pancreas Transplantation: Immunosuppression and Rejection," Marshfield Video Conference, March 2013.
66. "Pancreas Transplantation Update: Indications and Outcomes," Marshfield Video Conference, July 2014.
67. "Decellularized human pancreas matrix as a platform for regenerating endocrine tissue for transplantation." Stem Cell and Regenerative Medicine Center Research Conference, November 2014.
68. "Pancreas Transplantation from A to Z, Part I" UW Transplant Grand Rounds, September 2015.
69. "Pancreas Transplantation from A to Z, Part II" UW Transplant Grand Rounds, November 2015.
70. "Pancreas Transplantation: Expanding Indications, Current Outcomes." CME Presentation Janesville Mercy-Rockford Medical System, Janesville, WI, December 2015.
71. "Pancreas Transplantation – Update from the IPTR." UW Transplant Grand Rounds, December 2015.
72. "Pancreas Transplantation 2016: Coming of Age, Improving Outcomes and Expanding Indications." UW Endocrinology Grand Rounds, June 2016.
73. "Creating a new pancreas from stem cells." JDRF Western Wisconsin Chapter Research Update, Madison, WI, July 2016.
74. "Pancreas Transplantation 2016: Coming of Age, Improving Outcomes and Expanding Indications." Marshfield Clinic CME Conference, Marshfield, WI, November 2016.
75. "Practice Principles for Screening Pancreas Donors" UW Transplant Program Inservice presentation, September 2017.
76. "Pancreas Transplantation 2017 – Hot Topics and Notable Abstracts from IPITA 2017." UW Transplant Grand Rounds, November 2017.
77. "Pancreas Transplantation 2017: Coming of Age, Improving Outcomes and Expanding Indications." presented at the NKF Wisconsin Dialysis Symposium, Madison, WI, Nov 2017.
78. "Stem cell-derived Islets Research Update." JDRF Western Wisconsin Chapter Board of Directors Meeting, November 2017.

79. "Current Trends, Indications and Outcomes in the Modern Era of Pancreas Transplantation." UW Health, Case Managers Webinar, December 2017.
80. "Pancreas procurement principles", UW Hospital OTD, November 2018
81. "Pancreas Transplantation for T2DM: Are we crazy?", UW Transplant Grand Rounds, October 2018
82. "Beta Cell Replacement Therapy for Diabetes: Making more beta cells from stem cells", SURF Seminar, UW Stem Cell and Regenerative Medicine Program Seminar, July 2018
83. "Stem cell beta cell transplants," Invited lecture at the first UW-DRAW meeting
84. "Building a successful high-volume pancreas transplant program," Invited Interlink medical roundtable webinar presentation.
85. "How to Conduct Outcomes Research in the UW Transplant Program", Transplant Fellows Conference, November 2019.
86. "Management of GI Bleeding after Pancreas Transplantation," Transplant Fellows Didactic Conference, Oct 2020.
87. "Enteric Conversion after Pancreas Transplantation," Transplant Fellows Didactic Conference, Oct 2020.
88. "Thrombosis after Pancreas Transplantation," Transplant Fellows Didactic Conference, Apr 2021.
89. "Navigating the Options for Uremic Diabetic Patients", UW Transplant Grand Rounds, June 2021.
90. "Principles of Pancreas Organ Recovery," Webinar to the UW Organ and Tissue Donation Services, Sept 2021.
91. "Pancreas Transplantation for Patients with Type 2 Diabetes: Indications and Outcomes," UW Transplant Grand Rounds, Nov 2021.
92. "Transplantation as Treatment of Diabetes," Medicine 720 Diabetes and Metabolism Course, taught 1 lecture and journal club, February 2022.
93. "Stem-cell Derived Islets: A Potential Beta Cell Replacement Therapy for All," University of Wisconsin Department of Medicine Research Day Invited Keynote Speaker, October 2022

OUTREACH EVENTS AND PRESENTATIONS CONDUCTED (*Since 2016*)

February 2016 Marshfield Clinic Grand Rounds, Marshfield, WI

March 2016 Arlington Heights Suburban Endocrinology, Arlington Heights, IL

April 2016 Swedish American Endocrinology, Rockford, IL

May 2016 Green Bay Endocrinology Associates and Bellin Endocrinology, Green Bay, WI

June 2016 Aspirus Endocrinology, Wausau, WI

August 2016 Dean Clinic Endocrinology, Madison, WI

December 2016 Rockford Endocrinology Associates, Rockford, IL

January 2017 Sheboygan Endocrinology, Sheboygan, WI

September 2017 Endocrinology Group, Sterling, IL

September 2017 OSF Endocrinology, Peoria, IL

October 2017 Endocrinology and Renal Associates Dinner presentation, Wausau, WI

November 2017 Aurora Medical Center, Oshkosh, WI

December 2017 NKF Wisconsin Dialysis Symposium

March 2018 Gunderson Endocrinology, Lacrosse, WI

March 2018 Marshfield Endocrinology, Eau Claire, WI

April 2018 Endocrine Associates, Moline, IL

May 2018 Bellin Endocrinology, Green Bay, WI

October 2018 Milwaukee Area Endocrinology Group, Milwaukee, WI

November 2018 Bellin Green Bay, Certified Diabetes Educators, Green Bay, WI

November 2018 Endocrine Associates of Green Bay, Green Bay, WI

December 2018 Grand River Endocrinology Dubuque, IA

December 2018 Iowa Diabetes and Endocrinology, Des Moines, IA

December 2018 Mercy Diabetes and Endocrinology, Cedar Rapids, IA

January 2019 Meriter Endocrinology, Madison, WI

April 2019 Endocrinology Associates, Kalamazoo and Grand Rapids Michigan

(temporarily discontinued during the pandemic)

November 2020 Gunderson Endocrinology and Nephrology Grand Rounds, virtual meeting

January 2021 UW Endocrinology Grand Rounds, "Evidence-based practice of Pancreas Transplantation," virtual meeting.

August 2021 Ascension Endocrinology Group – Update on Pancreas Transplant program

December 2021 Rockford Nephrology Associates – Pancreas Transplant Update Virtual Seminar

April 2022 Aspirus Wausau Endocrinology – Pancreas Transplant Update Virtual Seminar

April 2022 UW Diabetes Management Service – Pancreas Transplant Update webinar

July 2022 Gunderson Endocrinology Group – Pancreas Transplant and Cell Replacement Therapies for Diabetes Update Seminar

August 2022 UW Swedish Rockford Endocrinology Group - Pancreas Transplant and Cell Replacement Therapies for Diabetes Update webinar

October 2022 Bellin Green Bay Endocrinology Presentation – Pancreas Transplant and Cell Replacement Therapies for Diabetes Update webinar

November 2022 Marshfield Endocrinology Outreach - Pancreas Transplant and Cell Replacement Therapies for Diabetes Update webinar

VISITING SCHOLARS HOSTED (*Since 2014*)

2014 Dr. Robert Harland, East Carolina University, Greenville, NC

2014 Dr. Mariano Norese, Buenos Aires, Argentina

2014 Dr. Scott Kendrick, East Carolina University, Greenville, NC

2104 Drs. Weiye Zhang and Wenli Song, Tianjin First Central Hospital, Tianjin, China

2014 Dr. Shin-e Wang, Veterans General Hospital, Taipei, Taiwan

2017 Dr. Raphael Meier, Derek Gray Traveling Scholars Award, University of Geneva, Geneva, Switzerland

2018 Dr. Lucia Alfaro Villanueva, Pedro Ernesto University Hospital, Sao Paulo, Brazil

2018 Nathan Zammit, Derek Gray Traveling Scholars Award, Graduate student in Dr. Shane Grey lab, Sydney, Australia

2018 Dr. Subodh Saggi, SUNY Downstate, Brooklyn, NY

2018 Dr. Claire Morgan, East Carolina University, Greenville, NC

2018 Dr. Fadi Hussein, St. Luke's Medical Center, Milwaukee, WI

2019-2020 Dr. Ching-Yao Yang, National Taiwan University Hospital, Taipei, Taiwan

