

UNIVERSITY OF MIAMI
Curriculum Vitae

1. **Date:** January 2021

I. PERSONAL

2. **Name:** Shari Messinger Cayetano M.E., Ph.D.
3. **Office Phone:** 305-243-6230
Fax: 305-243-4612
Email: smessinger@biostat.med.miami.edu
4. **Office Address:** c/o Dept of Public Health Sciences, R-669
Leonard M. Miller School of Medicine.
PO Box 016069
Miami, FL 33101 or
1120 NW 14th Street (Clinical Research Bldg, 10th Floor)
Miami, FL 33136
5. **Current Academic Rank:** Professor
5a. Current Track Appointment: Tenured
6. **Primary Department:** Public Health Sciences
7. **Secondary/Joint Appointment:** N/A

II. HIGHER EDUCATION

8. Institutional:

2002 Ph.D., Biostatistics, University of Michigan School of Public Health, Ann Arbor, MI.
1998 M.S., Biostatistics, University of Michigan School of Public Health, Ann Arbor, MI.
1996 M.E., Industrial and Systems Engineering, University of Florida, Gainesville, FL.
1994, B.S., Industrial and Systems Engineering, University of Florida, Gainesville, FL.

9. **Non-Institutional :** N/A

10. **Certification/Licensure :** N/A

III. EXPERIENCE

11. Academic

Professor of Biostatistics, Department of Public Health Sciences, **2020-present**
University of Miami Miller School of Medicine

**Director, Research Design and Biostatistics Component of the Miami Clinical
and Translational Sciences Institute** **2012-present**
Director, Biostatistics Collaboration and Consulting Core, Division of Biostatistics, **2010-present**
Department of Public Health Sciences, University of Miami Miller School of Medicine.

Associate Professor of Biostatistics, Department of Public Health Sciences, **2009-2020**
University of Miami Miller School of Medicine

Biostatistician, Diabetes Research Institute, University of Miami Miller School of **2003-present**

Medicine,

Biostatistician, Juvenile Diabetes Research Foundation Center for Islet Transplantation at the University of Miami-Diabetes Research Institute **2003-present**

Director of Biostatistics Core, Diabetes Research Institute, **2008-2010**
Director of Biostatistics, General Clinical Research Center, **2004-2008**
University of Miami Miller School of Medicine.

Assistant Professor of Biostatistics, Department of Epidemiology and Public Health, University of Miami Miller School of Medicine, **2002-2009**

Faculty Director, Center for Biostatistical Research and Collaboration, Department of Department of Public Health Sciences, Leonard M Miller School of Medicine, University of Miami **2002-2005**

Horace H. Rackham Fellow, Horace H. Rackham School of Graduate Studies, University of Michigan. **2001-2002**

12. Hospital Appointments N/A

13. Non-Academic N/A

Graduate Teaching Assistant, Applied Statistics II: Generalized Linear Models and Linear Mixed Models, Probability and Distribution Theory, Department of Biostatistics, School of Public Health, University of Michigan. **1998-2000**

Graduate Research Assistant, Department of Biostatistics and Michigan Diabetes Research and Training Center, University of Michigan. **1996-2000**

Graduate Student Instructor, Operations Research II, Engineering Economics, Health Systems Engineering, Department of Industrial and Systems Engineering and Department of Business Administration, University of Florida. **1994-1996**

14. Military Service N/A

IV. PUBLICATIONS

15. Books and Monographs

16. Juried or Referred Journal Articles, Books, and Exhibitions

1. **Messinger Cayetano, S.**, Lo, K., Fundakowski, C., Sargi, Z. Alternatives for model parameterization in risk assessment: an example using parotid malignancy. *Under Review*
2. Zarnegarnia, Y., **Messinger Cayetano, S.** A conditional approach for receiver operating characteristic curve construction to evaluate diagnostic test performance in a family-matched case-control design. *To appear in Statistical Methods for Medical Research*
3. Lanzoni, G., Linetsky, E., Correa, D., **Messinger Cayetano, S.**, et al. Unbilical Cord Mesenchymal Stem Cells for COVID-19 ARDS: a double blind, phase 1/2a, randomized controlled trial. *To appear in Stem Cells Translational Medicine* IF 6:42
4. Pugliese et.al. Baseline assessment of circulating microRNAs predicts stimulated insulin secretion one year after the diagnosis of type 1 diabetes *To Appear in Diabetes* IF: 7.43
5. **Messinger Cayetano, S.**, Crandall, L., The logic of science and the fallacies of popular medical belief: off-label uses of existing pharmaceuticals in COVID-19. *Journal of Cardiac and Pulmonary Rehabilitation* 2020, 4:2 IF: 1.38
6. Rios, P., Baidal, D., Camhi, S., Infante, M., Padilla, N., Alvarez Gil, A., Ambut, J., Qasmi, F., Mantero, M., **Messinger Cayetano, S.**, Ricordi, C., Alejandro, R. Long-term persistence of allosensitization after islet allograft failure. *To Appear in Transplantation* IF: 4.74
7. Pomann, Gina-Maria, Boulware, L. E., **Messinger Cayetano, S.**, et al. Methods for Training Collaborative Biostatisticians. *To Appear in Journal for Clinical and Translational Science* IF: 3.37
8. **Messinger Cayetano, S.**, Crandall, L., Paradox of success and public perspective, the perennial problem of public health prevention *J Epidemiol Community Health* 2020;74:679 IF: 3.9

9. Lanzoni, G., Linetsky, E., Correa, D., Alvarez RA., Marttos, A., Hirani, K., **Messinger, S.**, Castro JG., Michael John Paidas, JoNell Efantis Potter, Xiumin Xu¹ Marilyn Glassberg³ Jianming Tan· Amit Nilkanth Patel, Bradley Goldstein, Norma Sue Kenyon, David Baidal, Rodolfo Alejandro, Rodrigo Vianna· Arnold I. Caplan and Camillo Ricordi. Umbilical Cord-derived Mesenchymal Stem Cells for COVID-19 Patients with Acute Respiratory Distress Syndrome (ARDS) *CellR4*; 8 : e2839, 2020 IF: 9.0

10. Zarnegarnia, Y., Messinger, S., Review and limitations of methods for constructing a receiver operating characteristic curve in a case control design. *Far East Journal of Theoretical Statistics* 2019; 57(1) 47-86. IF: 1.3

11. Baidal, D.A., Sanchez, J., Alejandro A., Blaschke, C.E., Hirani, K., Matheson, D.L., **Messinger, S.**, Pugliese A., Ra in L. E., Roque L. A., Vera Or z J. M. and Ricordi C. POSEIDON study: a pilot, safety and feasibility trial of high dose omega3 fatty acids and high dose cholecalciferol supplementation in type 1 diabetes. *CellR4* 2018; 6 (1): e2489, 2018. IF: 9.0

12. Lubrarsky, D., Ulmann, S., Tawwater, J., Whitman, M., Black, M., Lo, K., **Messinger, S.**, Rosen, L., Birnbach, D. The Impact on the rate of adverse events after granting private physicians sovereign immunity at a public hospital. *Journal of Health Management, Policy, and Innovation.* 3(1), 2018. IF: 5.2

**Manetro was a Ph.D. student guided by Dr. Messinger in this research.

13. Vendrame, F., Padilla, N., Peixoto, E., Baidal, D., Lagari, V., Gil, A., Mantero, A., **Messinger, S.**, Ricordi, C., Alejandro, R. Chronic liraglutide administration fails to suppress post-prandial glucagon levels in type 1 diabetic islet allograft recipients with graft dysfunction. *Transplantation* 102(1) e39-e40, 2018. IF: 4.6

** Messinger, Ricordi, and Alejandro were senior authors on this manuscript. Messinger for design and statistical considerations, Ricordi and Alejandro for the clinical aspects.

**Manetro was a Ph.D. student guided by Dr. Messinger in this research.

14. Snowwhite, I., Allende, G., Sosekno, J., Pastori, R., **Messinger Cayetano, S.**, Pugliese, A. Association of serum microRNAs with autoimmunity, disease progression and metabolic impairment in relatives at risk for Type 1 Diabetes. *Diabetologia*, 60(8):1409-1422; 2017 IF 6.2

**Messinger, and Pugliese were senior authors of this manuscript. Messinger for the design and statistical considerations and Pugliese for the clinical and immunologic aspects

15. Portale, A., Wolf, M., **Messinger, S.**, Farzana, P., Juppner, H., Warandy, B., Furth, S., Salusky, I. Fibroblast Growth Factor 23 and Risk of Chronic Kidney Disease Progression in Children. *Clin J Am Soc Nephrol.* 2016 Aug 25. pii: CJN.02110216. [Epub ahead of print] PubMed PMID: 27561289. IF: 6.2

16. Zoso A, Serafini P, Lanzoni G, Peixoto E, **Messinger S**, Mantero A, Padilla-Télez ND, Baidal DA, Alejandro R, Ricordi C, Inverardi L. G-CSF and Exenatide Might Be Associated with Increased Long-Term Survival of Allogeneic Pancreatic Islet Grafts. *PLoS One.* 2016 Jun 10;11(6):e0157245. doi: 10.1371/journal.pone.0157245. eCollection 2016. PubMed PMID: 27285580; PubMed Central PMCID: PMC4902232. IF: 2.8

**Mantero was a Ph.D. student guided by Dr. Messinger in this research.

17. Vendrame, F., Hopfner Y-Y., Diamantopoulos, S., Viridi, S.K., Allende G., Snowwhite, I.V., Reijonen H.K., Chen, L., Ruiz P., Ciancio, G., Hutton, J.C., **Messinger, S.**, Burke III, G., Pugliese, A. Risk factors for type 1 diabetes recurrence in immunosuppressed recipients of simultaneous pancreas-kidney transplants. *American Journal of Transplantation* 16; 235-245, 2016 IF: 6.5

**Messinger, Burke III, and Pugliese were senior authors of this manuscript. Messinger for the statistical considerations and Burke and Pugliese for the clinical and immunologic aspects.

18. Burke, GW., Vendrame, F., Viridi, SK., Ciancio G., Chen, L., Ruiz, P., **Messinger, S.**, Reijonen, HK., Pugliese, A. Lessons from Pancreas Transplantation in Type 1 Diabetes: Recurrence of Islet Autoimmunity. *Current Diabetes Reports* 15: 121-130, 2015. IF: 3.6

19. Mazumdar, M., **Messinger, S.**, Finkelstein, D., Goldberg, J., Lindsell, C., Morton, S., Pollock, B., Rahbar, M., Welty, L., Parker, R. Evaluating Scientists Collaborating in Team-Based Research: a proposed framework. *Academic Medicine* 90(10): 1302-1308, 2015. IF: 4.8

20. Metsch, L., Peyerya, M., **Messinger, S.**, Jeanty, Y., Parish, C., Valverde, E., Cardenes, C., Boza, H., Tomar, S. Results of the SMILE Study: A randomized controlled trial of the effect of a brief case management intervention to link HIV-positive persons to oral health care. *American Journal of Public Health* 105: 77-84, 2015. IF: 4.1

**Messinger, S served as the lead author for the design and biostatistics considerations.

21. Balamurugan, A.N., Naziruddin B., Lockridge, A., Tiwari M., Loganathan G., Takita, M., Matsumoto, S., Papas, K., Trieger, M., Rains, H, Kin T., Kay, W, Wease S., **Messinger, S.**, Ricordi, C., Alejandro, R., Markmann, J., Kerr-Conti, J., Rickels, M.R., Liu, C., Zhang, X., Witkowski, P., Posselt, A., Maffi, P., Secchi, A., Berney, T., O'Connell, P.J., B. Hering, J., Barton, F.B. Transplanted Human Islets: Factors Predictive of Product Characteristics from the Collaborative Islet Transplant Registry (CITR) 1999-2010. *American Journal of Transplantation*, 2014 XX:1-12 DOI: 10.1111/ajt.12972. IF: 6.5

22. Fundakowski, C., Castano, J., Abouya, M., Lo, K., Riveria, A., Ojo, R., Gomez-Fernandez, C., **Messinger, S.**, Zoukaa, S.; The Role of Indeterminate Fine Needle Biopsy in the Diagnosis of Parotid Malignancy. *The Laryngoscope*, 2014; 124(3):678-81. DOI: 10.1002/lary.24341. IF: 2.4

**Messinger, S. and Zoukaa, S. were both senior authors on this manuscript. Messinger for design and biostatistics and Zoukaa for clinical aspects of the investigation.

23. Portale, A., Wolf, M., Jüppner, H., **Messinger, S.**, Kumar, J., Welleling-Perry, K., Schwartz, G., Warady, B., Salusky, I. Disordered FGF23 and Mineral Metabolism In the Chronic Kidney Disease in Children (CKiD) Cohort. *Clinical Journal of the American Society of Nephrology*. 2014;9(2):344-53. doi: 10.2215/CJN.05840513. IF: 6.2

24. Pollack, H., Pereyra, M., Albel, S., **Messinger, S.**, et al. Dentists' Willingness to Provide Expanding HIV Screening in Oral Health Care Settings: Results from a Nationally Representative Survey. *American Journal of Public Health*. 2014;104(5):872-80. doi: 10.2105/AJPH.2013.301700. IF: 4.1

25. Peixoto, E., Bozkurt, N., **Messinger, S.**, García, M., ; Lauriola, V., Corrales, A., Herrada, E., Ricord, C.,; Alejandro, R.,. The Use of 1,5-anhydroglucitol for Monitoring Glycemic Control in Islet Transplant Recipients. *Cell Transplantation*, 2014; 23(10) 1213-1219(7) DOI:10.3727/096368913X669734. IF: 2.9
26. Tang, F., **Messinger, S.**, Cray, C. Use of an Indirect Sampling Method to Produce Reference Intervals for Hematology and Chemistry Analyses in Psittaciforms. *Journal of Avian Medicine and Surgery* 2013; 27; 194-203. IF: 0.6
*Tang was a Ph.D. student guided by Dr. Messinger in this research.
27. Isakova, T., Xie, H., **Messinger, S.**, Cortazar, F., Scialla, J., Guerra, G., Contreras, G., Roth, D., Burke III, G., Molnar, M., Mucsi, I., Wolf, M., Inhibitors of mTOR and Risks of Allograft Failure and Mortality in Kidney Transplantation. *American Journal of Transplantation* 13; 100-110, 2012. AJT-O-12-00861.R1. IF: 6.5
28. Barton F., Rickels, M., Alejandro, R., Hering, B., Wease, S., Naziruddin, B., Oberholzer, J., Odorico, J., Garfinkel, M., Levy, M., Pattou, F., Berney, T., Secchi, A., **Messinger, S.**, Senior, P., Maffi, Paola, Posselt, A., Stock, P., Kaufman, D., Luo, X., Kandeel, F., Cagliero, E., Turgeon, N., Witkowski, P., Naji, A., O'Connell, P. Improving Outcomes in Clinical Islet Transplantation: 1999-2010. *Diabetes Care* 35: 1436-1445, 2012 IF: 13.4
29. Tan, J., Wu, W., Liao, L., Zheng, F., Xu, X., Liao, L., Zheng, F., **Messinger, S.**, Sun, X., Chen, J., Yang, S., Cai, J., Gao, X., Pileggi, A., Ricordi, C., Induction 1 therapy with autologous mesenchymal stem cells in living-related kidney transplantation: a randomized controlled study. *JAMA*. 2012; 307(11):1169-77. IF: 51.3
30. Han, D., Leyva, C., Matheson, D., Mineo, D., **Messinger, S.**, Blomberg, G., Hernandez, A., Meneghini, L., Allende, G., Skyler, J., Alejandro, R., Pugliese, A., and Kenyon, N. Immune Profiling by Multiple Gene Expression Analysis in Patients At-risk and with Type 1 Diabetes. *Clinical Immunology*.;139:290-301, 2011. IF: 4.2
31. Del Olmo Garcia, M. I., Vincenzo, L., Gomez Aracena, A., **Messinger, S.**, Corrales, A. Ricordi, C., and Alejandro, R. Alterations of the Female Reproductive System in Islet Recipient Receiving Immunosuppression: *Cell Transplantation*. 2011; 20(10) 1649-51 doi: 10.3727/096368910X557209. IF: 2.9
32. Vigoda, M., Sweitzer, B.J., Miljkovic, N., Arheart, K., **Messinger, S.**, Candiotti, K., Lubarsky, D. Do Anesthesiology Residents Correctly Apply the 2007 American College of Cardiology/American Heart Association (ACC/AHA) Guidelines on Perioperative Cardiac Evaluation when Evaluating Simulated Patients *Anesthesia and Analgesia*. Apr;112(4):940-9, 2011. IF: 3.8
33. Pereyra, M., Metsch, L., Tomar, S., Valverde, E., Jeanty, Y., **Messinger, S.**, Boza, H. Utilization of dental care services among low income HIV-positive persons in primary care. *AIDS Care*, 23(1): 98-106, 2011. IF: 2.1
34. Yamamoto, T., Mita, A., Ricordi, C., **Messinger, S.**, Miki, A., Sakuma, Y., Barker, S., Fornoni, A., Molano, R.D., Inverardi, L., Pileggi, A., Ichii, H. Prolactin Supplementation to Culture Medium Improves Beta-Cell Survival. *Transplantation*, 89: 1328-35, 2010. IF: 4.6
35. Mita, A., Ricordi, C., **Messinger, S.**, Miki, A., Misawa, R., Barker, S., Molano, R.D., Haertter, R., Alvarez, A., Khan, A., Pileggi, A., Miyagawa, S., Inverardi, L., Ichii, H. Anti-proinflammatory Effects of Purification Method Using Iodixanol (OptiPrep)-Based Density Gradient on Human Islet Preparations. *Cell Transplantation*, 19; 1537-1546, 2010. IF: 2.9
36. Metsch, L.R., Pereyra, M., **Messinger, S.**, del Rio, C., Strathdee, S.A., Anderson-Mahoney, P., Rudy, E., Marks, G., Gardner, L., Antiretroviral Treatment and Access Study (ARTAS) Study Group. HIV Transmission Risk Behaviors among HIV Infected Persons who are Successfully Linked to Care. *Clinical Issues in HIV Medicine: Recent Advances & Challenges*, Republished in 2009; 166-173. IF: 3.8

37. Faradji, R. N., Froud, T., **Messinger, S.**, Monroy, K., Pileggi, A., Mineo, D., Thipaporn, T., Mendez, A., Ricordi, C., Alejandro, R.; Long-Term Metabolic and Hormonal Effects of Exenatide in Islet Transplant Recipients with Allograft Dysfunction. *Cell Transplantation*, 18; 1247-1259, 2009. IF: 2.9
38. Tharavani, T., Froud, T., Leitao, C., Baidal, D., Paz-Pabon, C., **Messinger, S.**, Cure, P., Bernetti, K., Ricordi, C., Alejandro, R. Clinical Use of Fructosamine in Islet Transplantation Thipaporn Tharavani: *Cell Transplantation*, 18; 453-458, 2009. IF: 2.9
39. Leitao, C., Cure, P., **Messinger, S.**, Pileggi, A., Lenz, O., Froud, T., Faradji, R., Selvaggi, G., Kupin, W., Ricordi, C., Alejandro, R. Stable Renal Function After Islet Transplantation: Importance of Patient Selection and Aggressive Clinical Management. *Transplantation*, 87: 681-688, 2009. IF: 4.6
40. Baidal, D., Faradji, R., **Messinger, S.**, Froud, T., Monroy, K., Ricordi, C., Alejandro, R.; Early Metabolic Markers of Islet Allograft Dysfunction. *Transplantation*, 87: 689-697, 2009. IF: 4.6
41. Miki, A., Ricordi, C., **Messinger S.**, Yamamoto, T., Mita A., Barker, S., Haetter, R., Khan, A., Alejandro, R., Ichii, H.; Toward Improving Human Islet Isolation from Younger Donors; Rescue Purification is More Efficient for Trapped Islets. *Cell Transplantation* 18; 13-22, 2009. IF: 2.9
42. Metch, L., Pereyra, M., **Messinger, S.**, del Rio, C., Strathdee, S. A., Anderson-Mahoney, P., Rudy, E., Marks, G., Gardner, L.; Continuing Risk Behaviors among HIV-positives not in HIV care: A Longitudinal Examination. *Clinical Infectious Diseases* 47; 577-584, 2008. IF: 9.1
43. Estrada E, Valacchi F, Nicora E, Brieva s, Esteve C, Echevarria L, Froud T, Bernetti K, (Cayetano) **Messinger S**, Velazquez O, Alejandro R, Ricordi C. Combined Treatment of Intrapancreatic Autologous Bone Marrow Stem Cells and Hyperbaric Oxygen in Type 2 Diabetes Mellitus. *Cell Transplantation*, 17; 1295-1304, 2008. IF: 2.9
44. Faradji R.N., Tharavani T., **Messinger S.**, Froud T., Pileggi A., Monroy K., Mineo D., Baidal D.A., Cure P., Ponte G., Mendez A., Selvaggi G., Ricordi C., Alejandro R.; Long Term Insulin Independence and Improvement of Glucose-Induce Insulin Secretion After Supplemental Islet Infusion Exenatide Treatment. *Transplantation*, 86:1658-1665, 2008 IF: 4.6
45. Tharavani, T., Betancourt, A., **Messinger, S.**, Cure, P., Baidal, D., Leitao, C., Bernetti, K., Froud, T., Ricordi, C., Alejandro, R.; Improved Long-term Quality of Life after Islet Transplantation. *Transplantation* 86; 1161-1167, 2008. IF: 4.6
46. Froud, T., Faradji, R., Pileggi, A., **Messinger, S.**, Baidal, D., Ponte, G., Cure, P., Monroy, K., Mendez, A., Selvaggi, G., Ricordi, C., Alejandro, R.; The Use of Exenatide in Clinical Islet Transplant Recipients Demonstrating Chronic Islet Allograft Dysfunction. *Transplantation* 86: 36-45, 2008. IF: 4.6
47. Gorn, L., Faradji, R., **Messinger, S.**, Monroy, K., Baidal, D., Froud, T., Mastrototaro, J., Ricordi, C., Rodolfo A.; Impact of Islet Transplantation on Glycemic Control as Evidenced by CGMS. *Journal of Diabetes Science and Technology*: 221-228, 2008. IF: 2.1
48. Cure, P., Pileggi, A., Froud, T., **Messinger, S.**, Faradji, R., Baidal, D., Cardani, R., Pugliese, A., Betancourt, A., Esquenazi, V., Ciancio, G., Burke, G., Selvaggi, G., Ricordi, C., Alejandro, R.; Improved Metabolic Control and Quality of Life in Seven Patients with Type 1 Diabetes Following Islet After Kidney Transplantation. *Transplantation* 85(6): 801-812, 2008. IF: 4.6
49. Poggioli, R., Faradji, R., **Messinger, S.**, Enfield, G., Cure, P., Ponte, G., Baidal, D., Froud, T., Ricordi, C., Alejandro, R.; Assessment of Modifications in Nutritional Status and Behavior in Subjects with Type 1 Diabetes, Before and After-Islet Transplantation. *Transplantation* 85(4): 501-506, 2008. IF: 4.6
50. Yamamoto, T., Ricordi, C., **Messinger, S.**, Sakuma, Y., Miki, A., Rodriguez, R., Haertter, R., Khan, A., Alejandro, R., Ichii, H.; Deterioration and Variability of Highly Purified Collagenase Blends Used in Clinical Islet Isolation. *Transplantation* 84(8): 997-1002, 2007. IF: 4.6

51. Ponte, G., Pileggi, A., **Messinger, S.**, Alejandro, A., Ichii, H., Baidal, D. A., Khan, A., Ricordi, C., Goss, J. A., Alejandro, R.; Toward Maximizing the Success Rate of Human Islet Isolation: Influence of Donor and Isolation Factors. *Cell Transplantation* 16: 595-607, 2007. IF: 2.9
52. Faradji, R., Monroy, K., **Messinger, S.**, Pileggi, A., Froud, T., Baidal, D., Cure, L., Ricordi, C., Luzi, L., Alejandro, R.; Simple Measures to Assess and Monitor β -cell Mass and Function After Islet Transplantation. *American Journal of Transplantation* 7(2): 303-8, 2007. IF: 6.5
53. Faradji, R., Monroy, K., Riefkohl, A., Lozano, L., Gorn, L., Froud, T., Cure, P., Baidal, D., Ponte, G., **Messinger, S.**, Mastrototaro, J., Ricordi, C., Alejandro, R.; Continuous Glucose Monitoring System For Early Detection of Graft Dysfunction in Allogenic Islet Transplant Recipients. *Transplantation Proceedings* 38: 3274-6, 2006. IF: 1.0
54. Hirohito I., Wang, X., **Messinger, S.**, Alvarez A., Fraker, C., Khan, A., Kuroda, Y., Inverardi, L., Goss, J., Alejandro, R., Ricordi, C.; Improved Human Islet Isolation Using Nicotinamide. *American Journal of Transplantation* 6: 2060-2068, 2006. IF: 6.5
55. Poggioli, R., Ponte, G., Baidal, D., Cure, P., Pileggi, A., **Messinger, S.**, Betancourt, A., Froud, T., Faradji, R., Ricordi, C., Alejandro, R.; Quality of Life after Islet Transplantation. *American Journal of Transplantation* 6: 371-378, 2006. IF: 6.5
56. **Messinger, S.**, Murray, S.; Nonparametric Two-Sample Tests for Paired Censored Survival Data with Longitudinal Covariates. *Statistics in Medicine* 24: 301-318, 2005. IF: 1.9
57. Ichii, H., Inverardi, L., Pileggi, A., Molano, R. D., **Messinger, S.**; A Novel Method for the Assessment of Cellular Composition and Beta-Cell Viability in Human Islet Preparations. *American Journal of Transplantation* 5: 1635-1645, 2005. IF: 6.5
58. **Messinger, S.**, Murray, S.; Nonparametric Paired Two-Sample Tests for Censored Survival Data Incorporating Baseline Covariate Information. *Far East Journal of Theoretical Statistics* 16: 137-175, 2005. IF: 1.3
59. Hafiz, M., Faradji, R.N., Froud, T., Pileggi, A., Baidal, D., Cornejo, A., Cure, P., Ponte, G., Poggioli, R., **Messinger, S.**, Ricordi, C., Alejandro, R.; Immunosuppression and Procedure Related Complications in 26 Patients With Type 1 Diabetes Mellitus Receiving Islet Cell Transplantation. *Transplantation* 90: 1718-28, 2005. IF: 4.6
60. Zhou, H., Marriott, D., **Messinger, S.**, Brown, M., Brandle, M., and Herman, W.; A Computer Simulation Model of Diabetes Progression, Quality of Life, and Cost. *Diabetes Care* 28: 2856-2863, 2005. IF: 13.4
61. Faradji, R.N., Monroy, K., Cure, P., Froud, T., Baidal, D., Pileggi, A., **Messinger, S.**, Ricordi, C., Alejandro, R.; C-peptide Values in the Peritransplant Period after Intraportal Islet Infusions in Type 1 Diabetes. *Transplantation Proceedings* 37: 3433-34, 2005. IF: 1.0
62. Hafiz, M., Poggioli, R., Caulfield, A., **Messinger, S.**, Geiger, M. C., Baidal, D., Froud, T., Ferriera, J., Tzakis, A., Ricordi, C., Alejandro, R.; Cytomegalovirus (CMV) Serological Status In Patients With Type 1 Diabetes Mellitus Awaiting Islet Allograft Transplantation. *American Journal of Transplantation* 4: 1697-1702, 2004. IF: 6.5

17. Other Works, Publications, Abstract:

Received Acknowledgement

Sosenko, I., Fajardo, M.F., Claire, N., and Bancalari, E., Timing of Patent Ductus Arteriosus Treatment and Respiratory Outcome in Premature Infants: A Double-Blind Randomized Controlled Trial, *J Pediatrics* 2012; 160: 929-935

Puscas, L., Otolaryngology Resident In-Service Scores Predict Passage of the Written Board Examination; Accept Manuscript-OTO-121093R1; Presented at the 2011 American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting in San Francisco, CA.

18. Other Works Accepted for Publication:

Messinger, S., Statistics in Science. Amstat News, Master's Notebook section, Issue #410, August 2011, page 19

V. PROFESSIONAL

19. Funded Research:

Current:

Principal Investigator: Camillo Ricordi
Title: UC-MSc and Covid-19
Role and Percent Effort Co-Investigator, 20%
Project Period 06/01//2020-05/31/2021
Total Award \$3,000,000

Principal Investigator: Carmella Evans-Molina., Francesco Dotta, Alberto Pugliese, **Shari Messinger Cayetano**

Grant Title: Collaborative Effort to Identify and Validate miRNA Biomarkers of T1D

Role and Percent Effort: Principal Investigator, 15%

Grant Number 3-SRA-2019-866-S-B

Funding Source Juvenile Diabetes Research Foundation (JDRF)

Project Period 09/01/2019-09/01/2022

Total Award: \$980,680

Principal Investigator: Alberto Pugliese, M.D., **Shari Messinger**, Ph.D.; Mi Qing-Sheng

Grant Title: Serum MicroRNAs as Biomarkers of Islet Autoimmunity

Role and Percent effort: Principal Investigator, 10%

Grant Number: 1R01AI123258-01

Funding Source: National Institutes of Health (NIH)

Project Period: 04/01/2016 – 03/31/2020

Total Award (requested): \$3,048,035

Principal Investigator: Ralph Sacco, Ph.D.

Grant Title: Miami Clinical and Translational Science Institute

Role and Percent effort: Research Design, and Biostatistics Program Co-PI, 30%

Grant Number: 1UL1TR000460-01A1

Funding Source: National Institutes of Health (NIH)

Project Period: 07/01/2018 – 06/30/2023

Total Award: \$2,614,379

Principal Investigator Alberto Pugliese, M.D.

Grant Title Low-dose IL-2 in Established T1D

Role and Percent Effort Co-Director of Coordinating Center, Co-Investigator 10%

Grant Number 1 U01 AI125057-01A1

Funding Source National Institute of Health / NIAID

Project Period 08/15/2017-08/14/2022

Total Award (requested) \$1,177,285

Completed Research Support:

Principal Investigator: Alberto Pugliese, M.D., **Shari Messinger Ph.D.**

Grant Title: MicroRNA Biomarkers in Recent Onset T1D
Role and Percent effort: Co-Principal Investigator, 10%
Grant Number: 2-SRA-2015-122-Q-R
Funding Source: Juvenile Diabetes Research Foundation (JDRF)
Project Period: 08/01/2015 – 07/31/2017
Total Award: \$500,000

Principal Investigator: Ralph Sacco, Ph.D.
Grant Title: Miami Clinical and Translational Science Institute
Role and Percent effort: Research Design, and Biostatistics Program Co-PI, 30%
Grant Number: 1UL1TR000460-01A1
Funding Source: National Institutes of Health (NIH)
Project Period: 07/01/2012 – 06/30/2017
Total Award: \$2,614,379

Principal Investigator: Anthony A. Portale, M.D.; **Shari Messinger, Ph.D.** (Subaward PI)
Grant Title: Disordered Mineral Metabolism in the CKID Children:
Role of FGF-23
Role and Percent effort: PI (subaward) – 9%
Grant Number: 1 R01 DK084978-01
Funding Source: National Institute of Health /NIDDK
Project Period: 07/01/2010-06/30/2015
Total Award: \$1,380,983

Principal Investigator: Camilo Ricordi, M.D.
Grant Title: Strategies to Improve Long Term Islet
Graft Survival
Role and Percent effort: Biostatistician (Co-Investigator), 4%
Grant Number: 1U01DK70460
Funding Source: University of Iowa (Subcontract through NIH)
Project Period: 8/1/2013 - 7/31/2014
Total Award: \$153,339

Principal Investigator: Olveen Carrasquillo, M.D.
Grant Title: Miami Healthy Heart Initiative
Role and Percent effort: Biostatistician, 10%
Grant Number: 7R01HL083857-0
Funding Source: National Institutes of Health/ NHLBI
Project Period: 07/01/2010-01/31/2014
Total Award: \$814,298

Principal Investigator: Camilo Ricordi, M.D.
Grant Title: Strategies to Improve Long Term Islet
Graft Survival
Role and Percent effort: Biostatistician (Co-Investigator), 5%
Grant Number: U01 DK70460
Funding Source: National Institute of Health/NIDDK
Project Period: 9/30/2004 - 7/31/2013
Total Award: \$14,078,250

Principal Investigator: Alberto Pugliese, M.D.
Grant Title: Exploring Serum MicroRNAs as Novel Biomarkers of Type 1 Diabetes
Role and Percent effort: Co-investigator and Biostatistician – 5%
Grant Number: 17-2011-293
Funding Source: Juvenile Diabetes Research Foundation (JDRF)
Project Period: 05/01/2011 – 4/30/2013
Total Award: \$164,959

Principal Investigator: Lisa Metsch, Ph.D.
Grant Title: HIV Testing in Dental Care Settings
Role and Percent effort: Co-Investigator/Biostatistician, 15%
Grant Number: 1R01DE019615-01
Funding Source: NIH/National Institutes of Dental and Craniofacial Research (NIDCR)
Project Period: 7/1/2009 – 6/30/2012
Total Award: \$1,913,489

Principal Investigator: Lisa Metsch, Ph.D.
Grant Title: Prevention among HIV-infected Crack Users in the Hospital
Role and Percent effort: Co-Investigator/Biostatistician, 5%
Grant Number: 5R01DA017612
Funding Source: NIH/National Institute on Drug Abuse (NIDA)
Project Period: 6/1/2012 – 5/31/2015
Total Award: \$2,936,469

Principal Investigator: Lisa Metsch, Ph.D.
Grant Title: Enhancing Oral Health Care Use by HIV-Positives
Role and Percent effort: Co-Investigator/Biostatistician, 5%
Grant Number: 5R01DE015523
Funding Source: NIH/National Institute on Dental & Craniofacial Research (NIDCR)
Project Period: 5/1/2004 - 2/28/2012
Total Award: \$3,135,002

Principal Investigator: Camillo Ricordi, M.D.
Grant Title: JDRF Accelerator for Human Beta Cell Replacement and Tolerance Induction
Role and Percent effort: Co-Investigator and Biostatistician, 5%
Grant Number: 4-2008-811
Funding Source: JDRFI
Project Period: 12/01/2008 – 11/30/2011
Total Award: \$2,979,738.75

Principal Investigator: Camillo Ricordi, M.D.
Grant Title: Human Pancreatic Islet Cell Resource to Catalyze Collaborative Diabetes Research (ICR)
Role and Percent effort: Co-Investigator Biostatistician, 5%
Grant Number: 5 U42 RR016603-08S1
Funding Source: National Institutes of Health
Project Period: 09/28/2009 - 09/29/2010
Total Award: \$995,970

Principal Investigator: Camillo Ricordi, M.D.
Grant Title: Human Pancreatic Islet Cell Resource to Catalyze Collaborative Diabetes Research (ICR)

Role and Percent effort: Biostatistician \$0 (no cost extension) (no salary)
Grant Number: 5 U42 RR016603-08
Funding Source: National Institutes of Health
Project Period: 09/30/2006 – 07/31/2010

Principal Investigator: Pascal Goldschmidt, M.D.
Grant Title: General Clinical Research Center
Role and Percent effort: Biostatistics Director, 5%
Grant Number: 1M01 RR16587-02
Funding Source: University of Miami Miller School of Medicine
 General Clinical Research Center
Project Period: 06/01/2009 – 05/31/2010
Total Award: \$220,958

Principal Investigator: Alberto Pugliese, M.D.
Role and Percent effort: Co-Investigator and Biostatistician, 5%
Grant Number: R21A1075292
Funding Source: National Institute of Health/
 National Institute of Diabetes & Digestive & Kidney Diseases
Project Period: 12/01/2006 - 11/30/2009
Total Award: \$275,000

Principal Investigator: Camillo Ricordi, M.D.
Grant Title: Human Pancreatic Islet Cell Resource to Catalyze Collaborative
 Diabetes Research (ICR)
Role and Percent effort: Co-Investigator and Biostatistician, 5%
Grant Number: 1U42RR16603
Funding Source: National Institutes of Health
 National Institute of Diabetes & Digestive & Kidney Diseases
Project Period: 09/30/2001 – 07/31/2009
Total Award: \$2,779,544

Principal Investigator: Camillo Ricordi, M.D.
Grant Title: Human Pancreatic Islet Cell Resource to Catalyze Collaborative
 Diabetes Research (ICR)
Role and Percent effort: Co-Investigator and Biostatistician, 5%
Grant Number: 5 U42 RR016603-08
Funding Source: National Institutes of Health/
 National Institute of Diabetes & Digestive & Kidney Diseases
Project Period: 09/30/2006-07/31/2009
Total Award: \$631,067

Principal Investigator: Camillo Ricordi, M.D.
Grant Title: Strategies to Improve Long Term Islet
 Graft Survival
Role and Percent effort: Co-Investigator and Biostatistician, 5%
Grant Number: 1U01DK070460
Funding Source: National Institutes of Health/
 National Institute of Diabetes & Digestive & Kidney Diseases
Project Period: 09/30/2004-07/31/2009
Total Award: \$2,909,538

Principal Investigator: Pascal Goldschmidt, M.D.
Grant Title: General Clinical Research Center
Role and Percent effort: Biostatistics Director 15%
Grant Number: 1M01 RR16587-02
Funding Source: University of Miami Miller School of Medicine/
 General Clinical Research Center

Project Period: 03/31/2006 - 06/01/2009
Principal Investigator: Camillo Ricordi, M.D.
Grant Title: JDRF Center for Islet Transplantation at the University of Miami
Diabetes Research Institute
Role and Percent effort: Co-Investigator and Biostatistician (Core A), 40%
Grant Number: 4-2004-361
Funding Source: Juvenile Diabetes Research Foundation
Project Period: 12/01/03 - 11/30/08
Total Award: \$12,075,000

Principal Investigator: Drenna Waldrop-Valverde, Ph.D.
Role and Percent effort: Co-Investigator and Biostatistician, 7%
Grant Number: R01 DA 18066
Funding Source: National Institute on Drug Abuse
Project Period: 09/01/05 - 08/31/08

Principal Investigator: John G. Clarkson, M.D.
Grant Title: General Clinical Research Center
Role and Percent effort: Biostatistician, 15%
Grant Number: 1M01 RR16587-02
Funding Source: National Institutes of Health/
National Center for Research Resources/
General Clinical Research Center
Project Period: 9/15/2002 – 3/31/2006
Total Award: \$1,600,311

Principal Investigator: Clyde B. McCoy, Ph.D.
Grant Title: Center for Drug Abuse and AIDS Research
Role and Percent effort: Co-Core Leader and Biostatistician (Core C), 50%
Grant Number: P30DA13870-01
Funding Source: National Institutes of Health/ NIDA
Project Period: 9/20/2001 – 8/31/2005
Total Award: \$660,066

Submitted

Clinical Trial to Evaluate the Safety and Efficacy of Umbilical Cord-Derived Mesenchymal Stem Cell Therapy in Patients with Recent Onset Type 1 Diabetes
NIH PA-18-330

- Messinger was responsible for design and statistical considerations in developing protocol and serves as co-I and biostatistician for the trial.

Other Internally Funded Clinical Trials

Umbilical Cord-derived Mesenchymal Stem Cells for COVID-19 Patients with Acute Respiratory Distress Syndrome (ARDS)

*Messinger was responsible for design and statistical considerations in developing protocol and serves as co-I and biostatistician for the trial.
FDA approval received April 8, 2020.

A Pilot, Safety and Feasibility Trial of High-Dose Omega-3 Fatty Acids and High-Dose Cholecalciferol Supplementation in Type 1 Diabetes

*Messinger was responsible for design and statistical considerations in developing the protocol, and serves as a co-I and biostatistician for the trial.

A Pilot Safety Trial of Anti-Thymocyte Globulin (ATG) Pegylated Granulocyte Colony Stimulating Factor (GCSF), Low Dose Interleukin-2(IL-2) Etanercept and Exenatide in the Treatment of New Onset Type 1 Diabetes.

*Messinger was responsible for design and statistical considerations in developing the protocol that was submitted and approved by FDA and is also the trial biostatistician.

Phase 1/Pilot Safety and Feasibility IND

Principal Investigators: Rodolfo Alejandro and David Baidal

Sponsor: Camillo Ricordi and Jay Skyler

Role: Biostatistician

Approval date from FDA: September 10, 2015

20. Editorial Responsibilities:

Associate Editor of Statistics

Journal of Cardiac Surgery

2019-present

Reviewer for:

British Medical Journal

2017-present

Journal of Avian Medicine and Surgery

2012

Canadian Journal of Statistics.

2011

Communications in Statistics-Theory and Methods

2010-present

Cell Transplantation

2008-present

Preventive Medicine

2006-present

Diabetes Care

2005-present

Journal of Urban Health

2004

21. Professional and Honorary Organizations:

Caucus for Women in Statistics

2018-Present

Methods and Processes Domain Task Force
Association for Clinical and Translational Science

2015-present

Biostatistics Epidemiology and Research Design
Special Interest Group within the Association for Clinical and Translational
Science

2015-present

Biostatistics Epidemiology and Research Design (BERD)
Operations Group

2013-2014

Biostatistics Epidemiology and Research Design (BERD)
Key Function Committee

2012-2014

Committee on Applied Statisticians, American Statistical Association

2011-present

Collaborative Islet Transplant Registry (CITR)

2007-present

Eastern North American Region of the Biometrics Society (ENAR)

1998-present

American Statistical Association (ASA)

1997-present

22. Honors and Awards:

Clinical Loan Repayment Program Recipient National Institutes of Health

2004-2008

Junior Researchers Workshop Travel Award Eastern North American Region of the
Biometrics Society

2004

Pathways into the Future Workshop for Women in Statistics, Travel Award

American Statistical Association Joint Meeting	2003
One-Term Dissertation Award University of Michigan School of Public Health	2002
Eastern North American Region of the Biometrics Society (ENAR) Student Travel Award Spring Meeting	2000-2001
Horace H. Rackham School of Graduate Studies Pre-Doctoral Fellowship University of Michigan	2000-2001

23. Post-Doctoral Fellowships: N/A

24. Other Professional Activities:

Messinger, S., Session organizer and chair (with McClure, L.): Having it All: Weighting to Achieve Balance. Invited Panel Session at the Eastern North Atlantic Region of the Biometric Society Meetings. March 16-19, 2014, Baltimore, MD.

Messinger, S. Panelist: Funding Models for BERD Units. Biostatistics Epidemiology Research and Design Face to Face Meeting. Washington DC. April 17-18, 2013

Messinger, S. Panelist: Workshop for NIH Applicants: Grant Resubmissions. SEEDS (Scientists and Engineers Expanding Diversity and Success) and RIM (Research Innovative Medicine) Workshop on NIH Resubmissions. Miami, FL, March 20, 2013

Messinger, S., Session organizer and Panelist: Strategic Career Planning for the Academic Statistical Scientist: Another Kind of Survival Analyst. Accepted Topic Contributed Session at the Joint Statistical Meetings of the American Statistical Association, **San Diego, CA**, July 28-August 2, 2012.

Messinger, S., DSMB member: A Phase 2, Randomized, Controlled 2x3 Trial Comparing Clinical Outcomes in Patients with Severe TBI using Mild Hypothermia and Concurrent and Supplemental Infusion of Magnesium Sulfate. Memorial Healthcare System; Hollywood, FL. Nov. 2011 – Nov. 2013

Messinger, S., Participant in the National Institute of Health/National Institute of Allergy and Infectious Diseases (NIH/NIAID) Review Panel, NIAID SEP ZAI1-RRS-A-J1 (HIVRAD review); Sept. 2012

Presented:

Zarnegarnia, Y., **Messinger, S.** Estimating the Receiver Operating Characteristic Curve from Clustered Data and Case-Control Studies. Joint Statistical Meetings of the American Statistical Association. July 28-August 2, 2018. Vancouver, BC.

Rios, P., Baidal, D., Padilla, N., Alvarez Gil, A.M., Madiraju, S., Ambut, J., Mangero, A.M., **Messinger Cayetano, S.**, Ricordi, C, Alejandro, R. Persistence of Allosensitization after allograft failure. American Diabetes Association Meetings. June 22-26, 2018, Orlando, FL.

Zarnegarnia, Y., **Messinger, S.**, Estimating the Receiver Operating Characteristic curve for paired family data in a case control design. Presented at the Eastern North Atlantic Region of the Biometric Society Meetings. March 6-9, 2015, Austin, TX.

- Zarnegarnia is Messinger's student

Mazumdar, M., **Messinger, S.**, Finkelstein, D., Goldberg, J., Lindsell, C., Morton, S., Pollock, B., Rahbar, M., Welty, L., Parker, R. Evaluating Scientists Collaborating in Team-Based Research: a proposed framework. Translational Science 2015. Washington DC. April 16-18, 2015

Pugliese, A. et al (including **Messinger, S.**) Type 1 diabetes: a chronic autoimmune disease. Barbara Davis Center for Childhood Diabetes, Denver, Colorado, March 29, 2015:

Messinger, S., Kobetz-Kerman, E., Rao, J.S. Prism regression: A new statistical tool for understanding determinants of cancer health disparities. Seventh AACR Conference on the Science of Health Disparities. San Antonio, Texas. November 10, 2014

Alejandro, R., Barton, F., **Messinger, S.**, Berney, T., Odorico, J., Secchi, A., Patou, F., Rickels. Islet transplantation outcomes similar in islet after kidney vs islet alone in T1D adjusted for disease: results from the Collaborative Islet Transplant Registry. International Pancreatic and Islet Transplantation Association Meeting, **Monterey, CA**, September 23, 2013.

Raverdy, V., Vantyghem, M., **Messinger, S.**, Konstantinos, K., Kerr, J., Alejandro, R., Rickels, M., Barton, F., Pattou, F. Primary graft function predicts retention of insulin independence after islet transplantation; a Collaborative Islet Transplant Registry (CITR) study. International Pancreatic and Islet Transplantation Association Meeting, **Monterey, CA.**, September 23, 2013.

Messinger, S.; Biostatistical Collaboration in Clinical and Translational Research, presented at the Biostatistic Clinic. Division of Biostatistics, Clinical and Translational Sciences Institute, **Miami, FL**, September 17, 2013

Hering, B., Barton FB., **Messinger-Cayetano, S** for the CITR Investigators. Factors predictive of clinical outcomes following single islet allograft infusion in type 1 diabetes from the Collaborative Islet Transplant Registry, Abstract, 14th *International Congress of the International Pancreas and Islet Transplant Association*, Monterey, California, September 24- 27, 2013.

Messinger, S.; Hypothesis Testing, presented at the Foundations of Translational Research Bootcamp Course Schedule, University of Miami Miller School of Medicine, September 9, 2013.

Messinger, S. Statistical Considerations in Grant Resubmissions. SEEDS (Scientists and Engineers Expanding Diversity and Success) and RIM (Research Innovative Medicine) Workshop on NIH Resubmissions. Miami, FL. March 20, 2013.

Pugliese, A. et al (including **Messinger, S.**) University of Miami, Human Genetics and Genomics Seminar Series: "*Linking genes to the immunopathogenesis and to clinical research in type 1 diabetes*", Miami, FL, October 7, 2013.

Cray, C., Tang, F., **Messinger, S.**, Concepts on the Generation of Reference Intervals for Clinical Pathology Tests. *Veterinary Clinical Pathology - Manuscript ID VCP-11-182007-Oct-2011*. Presented at the Association of Avian Veterinarians, Louisville, KY. August 11-15, 2012

Pollack, H., Pereyra, M., Abel, S., Singer, R., Greenberg, B., **Messinger, S.**, Metsch, L., Dentists' self-perceived role in offering HIV rapid testing: Results from a nationally representative survey; Abstract #271072, submitted February 2012, The American Public Health Oral Health program of the 140th APHA Annual Meeting, San Francisco, CA. October, 2012.

Pereyra, M., Pollack, H., Abel, S., Singer, R., Greenberg, B., **Messinger, S.**, Metsch, L., Dentists' perspectives on patient acceptance of HIV screening in the dental care setting: Results from a nationally representative survey; Abstract #271078, The American Public Health Association, submitted for the Oral Health program of the 140th APHA Annual Meeting. San Francisco, CA. October, 2012.

Pugliese, A. et al (including **Messinger S.**) "*Disease Mechanisms and Therapeutic Targets in the Type 1 Diabetes Spectrum*". University of Palermo, Italy, October 15, 2012.

Messinger, S.; Hypothesis Testing, presented at the Foundations of Translational Research Bootcamp Course Schedule, University of Miami Miller School of Medicine, September 2012.

Rickels, MR., Berney, T., Stock, PG., Senior, PA., Alejandro, R., O'Connell, PJ., Pattou, F., Turgeon, NA., Braman, KL., **Messinger, S.**, Barton, FB. Long term outcomes of allogenic islet transplantation: The

Collaborative Islet Transplant Registry (CITR) 1999-2010. XXIV International Congress of The Transplantation Society (Oral), Berlin, Germany. July 2012.

Miranda-Palma B., Puig A., Prieto L., Urbina S., Goldberg L., Ghosheh Y., **Messinger S.**, Meneghini L.; Protocol-based transition from IV to SC insulin therapy more effective than usual care in intensive care subjects with hyperglycemia. American Diabetes Association, Philadelphia, PA, June 8, 2012; 2012-A-3706-Diabetes

Messinger, S.; Biostatistical Collaboration in Clinical and Translational Research, presented to the Residents in Obstetrics/Gynecology. University of Miami Miller School of Medicine, February 2, 2012.

Messinger, S., Barton, F., Research Design and Statistical Considerations in Cell Transplantation Research-Lessons from Islet Allograft Transplantation. Cell Transplant Society-International Xenotransplantation Association, Miami, FL. October, 2011.

Pugliese, A. et al (including **Messinger, S.**) "*Mechanisms and Therapeutic Targets in the Type 1 Diabetes Spectrum*", University of Miami, Discovery Science Grand Rounds (selected by the Chairs of the Basic Departments to deliver lecture for the inaugural series): "*Mechanisms and Therapeutic Targets in the Type 1 Diabetes Spectrum*", Miami, FL. December 8, 2011.

Berney, T., Barton, F.B., Rickels, M.R., Alejandro, R., Hering, B.J., Pattou, F., Wease, S., Naziruddin, B., Oberholzer, J., Odorico, J., Garfinkel, M., Levy, M., Secchi, A., **Messinger, S.**, and Shapiro, A.M.J., for the CITR Investigators, Continuing Improvement of Islet Transplantation Efficacy Outcomes 1999-2010. European Society for Organ Transplantation, Glasgow, Scotland, UK; September, 2011.

Messinger, S.; Hypothesis Testing, presented at the Foundations of Translational Research Bootcamp Course Schedule, University of Miami Miller School of Medicine, RSMAS Campus, September 19, 2011.

Rickels, M., Barton, F., Alejandro, R., Pattou, F., Berney, T., Senior, P., **Messinger, S.**, on behalf of the CITR Investigators, Factors of islet transplant success: results from the Collaborative Islet Transplant Registry 1999-2010. International Pancreas and Islet Transplant Association, Prague, June, 2011.

Luzi, L., Codella, R., Lauriola, V., **Messinger, S.**, Alejandro, R., and Ricordi, C. Poster presentation at ADA; Immunomodulatory Effects of Exercise in Type 1 Diabetes Mellitus, American Diabetes Association 71st Scientific Sessions. San Diego, CA, June, 2011.

Messinger, S.; Presented Statistical Analysis 1 and 2, at the Rising Stars Preceptorship Program at the Diabetes Institute, University of Miami. July 27-28, 2011.

Messinger, S.; Biostatistical Collaboration in Clinical and Translational Research, presented at the Biostatistic Clinic. Division of Biostatistics, Department of Epidemiology and Public Health. February 10, 2011.

Messinger, S.; BCCC Introduction, presented at Faculty Meetings in the following departments: Otolaryngology, Sept. 16, 2010 & January 20, 2011; Hepatology, October 18, 2010; OB/Gyn, November 3, 2010; Biochemistry & Molecular Biology, November 18, 2010; Microbiology & Immunology, January 7, 2011; Dermatology, January 12, 2011; Surgical Oncology, January 13, 2011, Department of Medicine, January 13, 2011; Physiology & Biophysics, January 18, 2011; Orthopedics, January 20, 2011, RSMAS, January 21, 2011; Radiology, January 26, 2011; Infectious Diseases, January 27, 2011; Pathology, February 17, 2011; Rheumatology, March 4, 2011; Anesthesiology, March 31, 2011; Biomedical Engineering, April 1, 2011; Family Medicine & Community Health, April 27, 2011.

Pugliese, A. et al (including **Messinger, S.**) Disease Mechanisms and Therapeutic Targets in the Type 1 Diabetes Spectrum. Burnham Sanford Research Institute at Lake Nona, Orlando, FL, April 28, 2011.

Pugliese, A. et al (including **Messinger, S.**) Islet Autoimmunity: Lessons from Recurrent Diabetes in Pancreas Transplant Recipients. Department of Pathology and Laboratory Medicine, University of Florida, Gainesville, October 12, 2010.

Messinger, S.; Hypothesis Testing & Statistical Significance, presented at the Fellows Research Conference in the Diabetes Research Institute, University of Miami Miller School of Medicine, October 13, 2010.

Messinger, S.; Hypothesis Testing, presented at the Foundations of Translational Research Bootcamp Course Schedule, University of Miami Miller School of Medicine, RSMAS Campus, September 22, 2010.

Pugliese, A. et al (including **Messinger, S.**) Islet autoreactivity in Human T1D: Advancing Discovery of Biomarkers of Disease Progression and Intervention”, Insights into human islet-specific effectors associated with recurrent disease following pancreas transplantation. Immunology of Diabetes Society/Juvenile Diabetes Research Foundation Satellite Symposium at the FOCIS (Federation of Clinical Immunology Societies) meeting, Boston, June 24, 2010.

Linetsky, E, Rodriguez, K, **Messinger, S**, Sparrow-Bodenmiller, J, Wick, A, Delamater, A, Howorka, K, Meneghini, L. Mastering Your Diabetes: A Controlled Study of the Effect of Intensive Insulin Management Group Education on Patient Outcomes and Perceptions. American Diabetes Association, American Diabetes Association 70th Scientific Sessions Abstract Book, supplement to *Diabetes*. June, 2010.

Pugliese, A. et al (including **Messinger, S.**), University of Miami, Skyler Visiting Professor Research in Progress presentation, Miami, February 2010.

Lauriola, V, Baidal, D, Froud, T, **Messinger, S**, Mineo, D, Bernetti, K, Herrada, E, Lagari, V, Ricordi, C, Alejandro, R. Effects of Exercise on Glucose Homeostasis in Clinical Islet Transplantation. International Pancreas and Islet Transplant Association, October, 2009.

Alejandro, R., Lagari, V, Baidal, D, **Messinger, S**, Ricordi, C, Mendez, A Glucagon Response to Hyperglycemia Following Islet Cell Transplantation in Type 1 Diabetes Mellitus. International Pancreas and Islet Transplant Association, Vencie, October, 2009,

Lauriola, V, Baidal, D, Froud, T, **Messinger, S**, Mineo, D, Bernetti, K, Herrada, E, Lagari, V, Ricordi, C, Alejandro, R. Effects of Exercise on Glucose Homeostasis in Clinical Islet Transplantation. American Transplant Congress, **Location?** May, 2009.

Pugliese, A. et al (including **Messinger, S.**) MicroRNA as Biomarkers in T1D. Type 1 Diabetes TrialNet Meeting, Washington DC, April 21, 2009.

Mita, A, Ricordi, C, **Messinger, S**, Miki, A, Misawa, R, Barker S, Molano, R.D., Haertter, R, Alvarez, A, Khan, A, Pileggi, A, Miyagawa, S, Inverardi, L, Ichii, H., Superiority of Iodixanol (Optiprep) over Ficoll in Human Islet Purification. American Transplant Congress, May 2009.

Leitao C, Cure P, **Messinger S**, Pileggi A, Lenz O, Froud T, Faradji R, Selvaggi G, Ricordi C, Alejandro R. Kidney Function after Clinical Islet Transplantation. Presented at XXII International Congress of The Transplantation Society (Mini-Oral), **Location?** August 2008.

Froud T, Faradji RN, Tharavanij T, **Messinger S**, Pileggi A, Baidal DA, Dinkins L, Selvaggi G, Ricordi C, Alejandro R. Long Term Insulin Independence and Restoration of First Phase Insulin Release after Supplemental Islet Infusion under Exenatide Treatment in Subjects with Islet Graft Dysfunction. Presented at XXII International Congress of The Transplantation Society (Oral), **Location?** August 2008.

Tharavanij T, Betancourt A, **Messinger S**, Cure P, Leitao CB, Froud T, Ricordi C, Alejandro R. Improved Long Term Health Related Quality of Life after Islet Transplantation: A 6-year Follow-Up Study. Presented at XXII International Congress of The Transplantation Society (Poster), **Location?** August 2008.

Froud T, Faradji RN, **Messinger S**, Cure P, Pileggi A, Mineo M, Tharavanij T, Mendez A, Ricordi C, Alejandro R. Long Term Metabolic and Hormonal Effects of Exenatide on Islet Transplant Recipients with Allograft Dysfunction. Presented at XXII International Congress of The Transplantation Society (Poster), **Location?** August 2008.

Pugliese, A. et al (including **Messinger, S.**) Autoreactive CD4 T-lymphocytes associated with diabetes recurrence after pancreas transplantation mediate β -cell destruction in vivo. University of Miami, Department of Medicine Research Conference, Miami, FL, December 15, 2008.

Messinger, S.; Biostatistical Collaboration in Medical Research, presented at the Diabetes Research Institute Seminar, University of Miami Miller School of Medicine, June, 2008.

Leitão, C., Cure, P., **Messinger, S.**, Pileggi, A., Lenz, O., Froud, T., Faradji, R., Selvaggi, G., Kupin, W., Tharavanij, T., Baidal, D., Mineo, D., Bernetti, K., Herrada, E., Ricordi, R., Alejandro, R. Kidney Function after Clinical Islet Transplantation. Presented at the American Diabetes Association 68th Scientific Sessions, (Poster), San Francisco, CA, June 2008.

Tharavanij, T., Betancourt, A., **Messinger, S.**, Cure, P., Baidal, D., Leitao, C., Bernetti, K., Froud, T., Ricordi, C., Alejandro, R. Improved Long-term Quality of Life after Islet Transplantation. Presented at the American Diabetes Association 68th Scientific Sessions, (Oral Presentation), San Francisco, CA June 2008.

Leitão, C., Cure, O., **Messinger, S.**, Pileggi, A., Lenz, O., Froud, T., Faradji, R., Selvaggi, G., Kupin, W., Tharavanij, T., Baidal, D., Mineo, D., Bernetti, K., Herrada, E., Ricordi, C., Alejandro, R. Unchanged Renal Function after Clinical Islet Transplantation. Presented at the American Association of Clinical Endocrinologist meeting (Poster), **Location?** May 2008.

Faradji, R., Tharavanij, T., Froud, T., **Messinger, S.**, Pileggi, A., Baidal, D., Mineo, D., Leitao, C., Cure, P., Saenz, A., Curry, A., Dinkins, L., Selvaggi, G., Ricordi, C., Alejandro, R. Long Term Insulin Independence and Restoration of First Phase Insulin Release after Supplemental Islet Infusion under Exenatide Treatment in Subjects with Islet Graft Dysfunction. Presented at the American Transplant Congress meeting (Oral Presentation), **Location?** May 2008.

Gorn, L., Faradji, R. N., **Messinger, S.**, Monroy, K., Baidal, D., Froud, T., Mastrototaro, J., Ricordi, C., Alejandro, R.; Impact of Islet Transplantation on Glycemic Control as Evidenced by CGMS. American Association of Clinical Endocrinologists. Orlando, FL. May 2008.

Sareh, P. L., Froud, T., **Messinger, S.**; Hypoglycemia in Islet Cell Transplant Recipients during the Immediate Post Transplant Period. Presented at the RASP Resident Scholarly Activity Program. University of Miami Miller School of Medicine, Miami, FL. 2007.

Monroy, K., Faradji, R. N., Allende, G., Gorn, L., Denham, M., Kury-Perez, E. M., **Messinger, S.**, Cure, P., Baidal, D. A., Froud, T., Ponte, G., Ricordi, C., Pugliese, A., Alejandro, R.; Prevalence and Levels of GAD and IA-2 Autoantibodies in Patients with Long Duration of Type 1 Diabetes at the Time of Screening for Islet Transplantation. American Diabetes Association 67th Scientific Sessions. [1036-P]. Chicago, June 2007.

Diamantopoulos, S., Allende, G., Martin-Pagola, A., Ciancio, G., Ricordi, C., **Messinger, S.**, Burke, G.W., Pugliese, A.; Recurrence of Type 1 Diabetes (T1DR) After Simultaneous Pancreas-Kidney (SPK) Transplantation is Associated With Islet Cell Autoantibody Conversion. Immunology of Diabetes Society., Miami, FL. November, 2007.

Toshiyuki, Y., Camillo, R., **Messinger, S.**, Sakuma, Y., Miki, A., Rodriguez, R., Haertter, R., Khan, A., Alejandro, R., Ichii, H.; Deterioration and Variability of Highly Purified Collagenase Blends used in Clinical Islet Isolation. Congress of the International Pancreas and Islet Transplant Association. Minneapolis, MN, 2007.

Monroy, K., Faradji, R. N., Allende, G., Gorn, L., Denham, M., Kury-Perez, E. M., **Messinger, S.**, Cure, P., Baidal, D., Froud, T., Ponte, G., Ricordi, C., Pugliese, A., Alejandro, R.; Prevalence and Levels of GAD and IA-2 Autoantibodies in Patients with Long Duration of Type 1 Diabetes at the Time of Screening for Islet

Transplantation . American Diabetes Association's 67th Scientific Sessions, (Poster). Chicago, IL. June 22-26, 2007.

Faradji, R. N., Froud, T., Monroy, K., **Messinger, S.**, Pileggi, A., Baidal, D., Cure, P., Ponte, G., Selvaggi, G., Kenyon, N., Ricordi, C., Alejandro, R.; Metabolic Effects of Exenatide in Islet Transplant Recipients with Graft Dysfunction. World Transplant Congress, Boston, MA. 2006.

Monroy, K., Faradji, R. N., Pisani, L., **Messinger, S.**, Gorn, L., Baidal, D. A., Ponte, G., Cure, P., Froud, T., Allende, G., Ricordi, C., Pugliese, A., Alejandro, R.; Prevalence of auto-antibodies in subject with type 1 diabetes at screening for islet cell transplantation. Diabetes 55 (Supplement 1: A222). 2006.

Faradji, R., Monroy, K., **Messinger, S.**, Pileggi, A., Froud, T., Baidal, D., Ricordi, C., Luzi, L., Alejandro R.; C-Peptide Glucose Ratio: A Better Indicator of Islet Graft Mass and Function than C-Peptide Alone in Islet Cell Transplantation. American Diabetes Association 66th Scientific Sessions, Washington, DC. 2006.

Monroy, K., Faradji, R., Pisani, L., **Messinger, S.**, Gorn, L., Baidal, D., Ponte, G., Cure, P., Froud, T., Allende, G., Ricordi, C., Pugliese, A., Alejandro, R.; Prevalence of Auto-Antibodies in Subjects with Type 1 Diabetes at Screening for Islet Cell Transplantation. American Diabetes Association 66th Scientific Sessions, Washington, DC, 2006.

Metsch, L. R., Pereyra, M. R., **Messinger, S.**, del Rio, C., Anderson-Mahoney, P., Rudy, E., Loughlin, A., Strathdee, S., Gardner, L.; Continuing Risk Behaviors Among HIV-Positive Persons Not in HIV Care: A Longitudinal Examination from The ARTAS Study. National HIV Prevention Conference, Atlanta, GA. 2006.

Ponte, G., Alejandro, A., Pileggi, A., Minuzzi, A., **Messinger, S.**, Cardenas, G., Kahn, A., Ichii, H., Ricordi, C., Goss, J., Alejandro, R.; Toward Maximizing the Success Rates of Human Islet Isolation: University of Miami and Baylor College of Medicine Experience. Congress of the International Pancreas and Islet Transplant Association, Geneva, Switzerland. 2005.

Faradji, R. N., Monroy, K., Froud, T., Baidal, D. A., Pileggi, A., Cure, P., **Messinger, S.**, Luzi, L., Ricordi, C., Alejandro, R.; A simple measure to assess islet engraftment and function in islet allograft recipients. Congress of the International Pancreas and Islet Transplant Association., Geneva, Switzerland. 2005.

Faradji, R. N., Cure, P., Monroy, K., Froud, T., Baidal, D., **Messinger, S.**, Ricordi, C., Alejandro, R.; C-peptide and glucose values in the peritransplant period after intraportal islet infusions in type 1 diabetes. Congress of the International Pancreas and Islet Transplant Association (Poster). Geneva, Switzerland. 2005.

Poggioli, R., Ponte, G., Baidal, D. A., Cure, P., Pileggi, A., **Messinger, S.**, Betancourt, A., Froud, T., Faradji, R. N., Ricordi, C., Alejandro, R.; Quality of Life after Islet Transplantation. Congress of the International Pancreas and Islet Transplant Association. Geneva, Switzerland. 2005.

Poggioli, R., Ponte, G., Baidal, D., Cure, P., Pileggi, A., **Messinger S.**, Betancourt, A., Froud, T., Faradji, R. N., Ricordi, C., Alejandro, R.; Quality of Life after Islet Transplantation. American Diabetes Association., San Diego, CA. 2005.

Hafiz, M., Baidal, D., Poggioli, R., Froud, T., Ferreira, J., Rothenberg, L., Periz, M., **Messinger, S.**, Ricordi, C., Alejandro, R., CMV, EBV, and Parvovirus Status in Patients with Type 1 DM Awaiting Islet Cell Transplantation. American Transplantation Congress, Boston, MA, 2004.

Perrino, T., **Messinger, S.**, Fernández, M. I.; When Male Condoms are Not an Option: Initial Acceptability of Female Condoms Among Women at High Risk for HIV. American Public Health Association. Washington, DC. 2004.

Messinger, S., Duncan, R., Crandall, L., Cardenas, G., McCoy, C., Chitwood, D., Fernandez, M. I., Page, J. B., Messiah, S.; Creation of a Biostatistics Resource Center as a Shared Resource. American Public Health Association, Washington, DC. 2004.

Hafiz, M., Baidal, D., Poggioli, R., Froud, T., Ferreira, J., **Messinger, S.**, Ricordi, C., Alejandro R.: CMV, EBV and Parvovirus Status in Patients with Type 1 Diabetes Mellitus Awaiting Islet Cell Transplantation. The XX International Congress of the Transplantation Society, Vienna, Austria. 2004.

Messinger, Shari; Usefulness and Pitfalls of Pilot Studies. Diabetes Research Institute Seminar. University of Miami Miller School of Medicine, Miami, FL, 2004.

Fernandez, M.I. Perrino, T., **Messinger, S.**, Mattson, T., Collazo, J.; Dual Methods: Which Urban, Minority Women are Willing to Accept a Low Efficacious Microbicide. Workshop on Dual Protection: Preventing Disease and Protecting Fertility. Presented at National Institute of Child Health & Human Development, National Institutes of Health, Bethesda, MD. 2003.

Messinger, S., Murray, S.; Nonparametric Paired Two-Sample Tests for Censored Survival Data Incorporating Longitudinal Covariate Information. Contributed Paper, ENAR Spring Meetings. Tampa, FL. 2003.

Messinger, Shari "Hypothesis Testing and Statistical Significance", Lecture included in the Epidemiology Curriculum for the Clinical Scientist Training Program (K-30)., University of Miami Miller School of Medicine, Miami, FL, 2002.

Messinger, S., Murray, S.; Nonparametric Paired Two-Sample Tests with Censored Mixture Distributions. Contributed Paper, ENAR Spring Meetings. Charlotte, NC. 2001.

Zhou, H. **Messinger, S.**, Brown, M; A Model of Diabetes Progression II. American Statistical Association Joint Statistical Meetings Atlanta, GA. 2001.

Zhou, H., **Messinger, S.**, Brown, M.; A Model of Diabetes Progression II. Proceedings from the ASA Joint Statistical Meetings., Atlanta, GA. 2001.

Messinger, S., Brown, M., Herman, W.; A Model of Diabetes Progression, American Statistical Association Joint Statistical Meetings (Poster)., Baltimore, MD. 1999.

Messinger, S., Brown, M., Herman, W.; A Model of Diabetes Progression. Proceedings from the Joint Statistical Meetings., Baltimore, MD. 1999.

Professional Service Activities:

National/International:

National Institute of Health
BMRD At Hoc Member **2020**

National Institute of Health
ZRG! BST-R (02) Member Conflict Special Emphasis Panel
BST IRG
Biomaterials, Delivery and Nanotechnology Study Section **2019**

Chair Elect
Biostatistics Epidemiology and Research Design Significant Interest Group of the
CTSA Consortium **2019-present**

National Institute of Health
ZRG1 DKUS-B (55) Special Emphasis Panel
PAR-18-744: Clinical Pilot Studies in Kidney Diseases **2018-2019**

Juvenile Diabetes Research Foundation Review Panel

FY19 Immunotherapies RFA: Innovative Strategies to Demonstrate “Immunological Proof of Mechanism” and to Explore Early Outcome Measures in Immunotherapy Trial.	2018-2019
Juvenile Diabetes Research Foundation Ad Hoc Clinical Protocol Reviewer	2018-present
National Institute of Health 2018/10 ZRG1DKUS-H CSR Special Emphasis Panel Small Grants for New Investigators to Promote Diversity in Health-Related Research (R21)	2018
Juvenile Diabetes Research Foundation FY18 Immune Project Concepts Review Panel	2017-2018
Steering Committee Member for Workshop on Mentoring hosted by the Committee On Applied Statisticians	2015
Association of Clinical and Translational Statisticians	2015-present
Methods and Processes Domain Task Force of the CTSA Consortium	2015-present
Biostatistics Epidemiology and Research Design Significant Interest Group of the CTSA Consortium.	2014-present
Patient Centered Outcomes Research Institute Reviewer	2014-present
American Statistical Association Section on Statistical Consulting Nominating Committee	2013-2015
Biostatistics Epidemiology and Research Design (BERD) Operations Committee	2013-2014
Member, Special Emphasis Panel SZA11 RRS A J1 (HIVRAD)/Scientific Review Group National Institute of Health/National Institute of Allergy and Infectious Diseases Panel	2012
Clinical & Translational Science Award (CTSA) BERD Key Function Committee	2012-2014
Committee on Applied Statisticians, American Statistical Association	2012-2016
Collaborative Islet Transplant Registry Publications and Presentations Committee	2007-present

VI. TEACHING

25. Teaching Awards

Graduate Program in Epidemiology and Public Health Student Association (PHSA) – “Lecturer of the Year” Award	May 2011
--	-----------------

26. Teaching Specialization:

Courses Taught

Advanced Clinical Trials	Fall 2019 Fall 2018 Fall 2017 Fall 2016 Fall 2015 Fall 2014 Fall 2013
Biostatistics Consulting BST510	Summer 2020 Summer 2019 Summer 2018 Summer 2017 Summer 2016 Summer 2014 Summer 2013
Medical Biostatistics II EPH 502	Spring 2016 Spring 2015 Spring 2014 Spring 2013 Fall 2012 Spring 2012 Spring 2011 Spring 2010 Spring 2009 Spring 2007 Spring 2006 Spring 2005
Statistical Principals for Clinical Trials	Spring 2020 Spring 2019 Spring 2018 Spring 2017
Simple Linear and Multiple Regression Independent study for Dr. Carl Schulman, Assistant Professor of Surgery	2006-2007
An Economic and Quality of Life Model of Diabetes and its Complications EPH 623 - Summer Course-Epidemiology of Diabetes	July 2003
Probability Theory- Independent study course in Applied Statistics.	Summer, 2003
Epidemiology Curriculum for the Clinical Scientist Training Program (K-30) Lecturer "Hypothesis Testing and Statistical Inference"	November 2002
Department of Biostatistics, School of Public Health, Graduate Teaching Assistant, Applied Statistics II: Generalized Linear Models and Linear Mixed Models, Probability and Distribution Theory. University of Michigan	1998-2000
Department of Biostatistics and Michigan Diabetes Research and Training Center	1996-2000
Graduate Research Assistant, University of Florida College of Engineering Graduate Fellowship	1994-1996

27. Thesis and Dissertation Advising:

Thesis Committee Member. Huilin Yu , “New Methods for Disparity Estimation.” Division of Biostatistics, Ph.D. in Biostatistics, Department of Public Health Sciences, University of Miami School of Medicine.	2018-present
Thesis Committee Chair. Yalda Zarnegarnia . “Methods for Estimating the Receiver Operating Characteristic Curve Under Clustered and Case-Control Designs.” Ph.D. in Biostatistics, Division of Biostatistics, Department of Public Health Sciences, University of Miami School of Medicine.	2014-2019
Thesis Committee Member, Dr. Elaine VanDerPut “Prediction rates of severe diabetes-related outcomes based on residential area and socioeconomic characteristics.” Master of Science in Public Health, Department of Epidemiology and Public Health, University of Miami School of Medicine.	2011-2012
Thesis Committee Member, Dr. Carl Schulman “Prevention of elderly pedestrian Injury - A comprehensive analysis and approach.” Ph.D. in Epidemiology, Department of Epidemiology and Public Health, University of Miami School of Medicine.	2007-2011
Thesis Committee Member, Danielle Broussard , Ph.D. in Epidemiology, Department of Epidemiology and Public Health, University of Miami School of Medicine.	2005-2006

VII. SERVICE

28. University Committee and Administrative Responsibilities:

University of Miami Miller School of Medicine Clinical and Translational Science Institute (CTSI) Research Design and Biostatistics Program, Director	2012-present
University of Miami Miller School of Medicine Center for AIDS Research (CFAR) Scientific Review Committee Member	2012-present
University of Miami Miller School of Medicine Department of Epidemiology and Public Health MPH Admissions Committee Member	2012-2014
University of Miami Miller School of Medicine Master's in Clinical and Translational Investigation Committee Member	2012-present
University of Miami Miller School of Medicine Department of Epidemiology and Public Health Public Health Student Association, Faculty Advisor	2011-2014
University of Miami Miller School of Medicine Department of Epidemiology and Public Health Biostatistics Curriculum Committee Member	2009-present
University of Miami Miller School of Medicine Department of Epidemiology and Public Health Biostatistics Collaboration and Consulting Core (BCCC), Director	2009-present

University of Miami Miller School of Medicine Clinical and Translational Science Award (CTSA) Proposal Development Committee Member	2005-2012
University of Miami Miller School of Medicine Department of Epidemiology and Public Health Recruitment Committee Member	2002-present
University of Miami Miller School of Medicine Department of Epidemiology and Public Health Biostatistics Comprehensive Exam Committee Member	2004-present
University of Miami Miller School of Medicine General Clinical Research Center, General Advisory Committee Member	2004-2009
University of Miami Miller School of Medicine Department of Epidemiology and Public Health Biostatistical Research and Collaboration Program (BRCP) Committee Chairperson	2002-2004
University of Miami School of Medicine Eastern-Atlantic Student Research Forum Judge	2003
Member of Graduate Faculty, Dept. of Epidemiology and Public Health, University of Miami	2002-present

29. Community Service Activities:

Virtus certified parent volunteer at Nativity Church/School	2006-present
Greater Hollywood YMCA Dolphin Swim Team Treasurer	2012-2015