

Shari Messinger, PhD.-Candidate for RECOM



Employment:

Current Positions (as of May 2026):

Professor and Director, Division of Biostatistics and Bioinformatics, Department of Public Health Sciences, University of Miami Miller School of Medicine (2024–present)

Professor of Biostatistics, Department of Public Health Sciences, University of Miami Miller School of Medicine (2020–present)

Director, Biostatistics, Epidemiology, and Research Design Program, Miami Clinical and Translational Sciences Institute (CTSI) (2012–present)

Director, Biostatistics Collaboration and Consulting Core (BCCC), Division of Biostatistics, Department of Public Health Sciences, University of Miami Miller School of Medicine (2010–present)

Prior Positions:

Interim Director, Division of Biostatistics, Dept. of Public Health Sciences, University of Miami Miller School of Medicine (2023–2024)

Vice Chair, Faculty Development, Diversity, Equity and Inclusion, Dept. of Public Health Sciences, University of Miami (2022–2023)

Associate Professor of Biostatistics, Dept. of Public Health Sciences, University of Miami Miller School of Medicine (2009–2020)

Director, Biostatistics Core, Diabetes Research Institute, University of Miami (2008–2010)

Director of Biostatistics, General Clinical Research Center, University of Miami Miller School of Medicine (2004–2008)

Biostatistician, Juvenile Diabetes Research Foundation Center for Islet Transplantation at the University of Miami Diabetes Research Institute (2003–2023)

Assistant Professor of Biostatistics, Dept. of Public Health Sciences, University of Miami Miller School of Medicine (2002–2009)

Faculty Director, Center for Biostatistical Research and Collaboration, Dept. of Public Health Sciences, University of Miami (2002–2005)

Horace H. Rackham Fellow, Horace H. Rackham School of Graduate Studies, University of Michigan (2001–2002)

Graduate Teaching Assistant, Applied Statistics II, Probability and Distribution Theory, Dept. of Biostatistics, University of Michigan (1998–2000); Graduate Research Assistant, Dept. of Biostatistics and Michigan Diabetes Research and Training Center (1996–2000); Graduate Student Instructor, Dept. of Industrial and Systems Engineering, University of Florida (1994–1996)

Education:

Ph.D., Biostatistics, University of Michigan School of Public Health, Ann Arbor, MI (2002)

M.S., Biostatistics, University of Michigan School of Public Health, Ann Arbor, MI (1998)

M.E., Industrial and Systems Engineering, University of Florida, Gainesville, FL (1996)

B.S., Industrial and Systems Engineering, University of Florida, Gainesville, FL (1994)

Professional Innovation and Accomplishments (research, teaching, management, leadership, and team-building):

Dr. Messinger is a nationally recognized biostatistician and leader in collaborative and translational research. She directs the Biostatistics Collaboration and Consulting Core (BCCC) at the University of Miami Miller School of Medicine and the Biostatistics, Epidemiology and Research Design (BERD) Program of the Miami CTSI, supporting hundreds of investigators across the research enterprise. She has led initiatives in clinical trials methodology (including IND-regulated trials), measurement error, ROC curve analysis, ordinal logistic regression, causal inference, and risk modeling, with applied contributions in diabetes, transplantation, HIV, nephrology, Alzheimer's disease, and health equity. As an educator, she has taught graduate-level biostatistics and statistical consulting for over two decades, including Advanced Clinical Trials, Medical Biostatistics II (EPH 602), Statistical Principles for Clinical Trials, and Biostatistics Consulting (BST 610). She has chaired and served on doctoral dissertation committees and mentored numerous PhD students, MS-level statisticians, and junior faculty. Her national leadership contributions include serving as Chair of the ASA Committee on Women in Statistics (CoWIS), President of the ASA South Florida Chapter, a member of the ACTS Board of Directors, co-Chair of the North American Biostatistics Chairs Committee, and as an inaugural elected Fellow of the Association for Clinical and Translational Science (FACTS). She co-organizes and chairs national and international sessions on biostatistics workforce development and data science infrastructure, has delivered invited talks at Stanford Medicine, the Universidad Nacional de Colombia, the International Symposium of Statistics (RCAC, Colombia), and at the 10th International Summer School in Biosciences (Mani, Greece), and is an active contributor to the BIDS EC of the NCATS CTSI program.

Research Interests: Clinical trials methodology; measurement error and misclassification; ROC curve estimation and diagnostic test evaluation; ordinal logistic regression; causal inference; risk model parameterization; collaborative and team-based biostatistics; biostatistics workforce development; BIDS (Biostatistics, Informatics, and Data Science) infrastructure in academic medical centers.

Publications: Dr. Messinger has authored or co-authored over 100 peer-reviewed publications. Selected recent publications include:

Messinger S, Brearley AM, Brumbach BH, et al. Representation and Generalizability in Clinical Research: Back to Basics. *J Clin Transl Sci.* 2025;9(1):e274.

Desai M, Messinger S, et al. The Science of Statistical Practice. *Academic Medicine.* 2025;100(9):1013–1017. [Joint first authors.]

Slade E, Jurkovitz C, Messinger S, et al. Advancing Workforce Development and Scientific Collaboration: A Novel Resource for Biostatistical Education. *J Clin Transl Sci.* 2025;9(1):e11.

Enders FT, Periyakoil VS, Messinger S, et al. Health equity engineering: Optimizing hope for a new generation of healthcare. J Clin Transl Sci. 2024;8(1):e136.

Zarnegarnia Y, Messinger S. A conditional approach for the ROC curve construction in family-matched case-control designs. Stat Methods Med Res. 2021;30(5):1249–1272.

Ciolino JD, Spino C, Ambrosius WT, Messinger S, et al. Guidance for biostatisticians on their essential contributions to clinical and translational research protocol review. J Clin Transl Sci. 2021;5(1):e161.

Mazumdar M, Messinger S, et al. Evaluating Academic Scientists Collaborating in Team-Based Research: A Proposed Framework. Academic Medicine. 2015;90(10):1302–1308.

Metsch LR, Pereyra M, Messinger S, et al. Effects of a Brief Case Management Intervention Linking People With HIV to Oral Health Care: Project SMILE. Am J Public Health. 2015;105(1):77–84.

Brown SC, Aitken WW, Messinger S, et al. Longitudinal Impacts of Precision Greenness on Alzheimer’s Disease. J Prev Alzheimers Dis. 2024;11(3):710–720.

Lanzoni G, Linetsky E, Messinger S, et al. Umbilical cord–derived mesenchymal stem cells for COVID-19 ARDS: a randomized controlled trial. Stem Cells Transl Med. 2021;10(5):660–673.

Snowwhite IV, Pastori R, Messinger S, et al. Circulating microRNAs near diagnosis predict future insulin secretion in type 1 diabetes. Diabetes. 2021;70(2):638–651.

Pomann GM, Truong T, Messinger S, et al. Needles in a Haystack: Finding Qualitative and Quantitative Collaborators in Academic Medical Centers. Academic Medicine. 2023;98(8):889–895.

Lo K, Messinger S, Fundakowski C, Sargi Z. Alternative parameterization approaches for modelling risk assessment in the presence of imbalance. Stat. 2022;11(1):e489.

Elkin PL, Lindsell CJ, Messinger S, et al. Data Science and Artificial Intelligence in Biology, Health and Healthcare. J Clin Transl Sci. 2025;9(1):e56.

Under Review / In Progress: Yoo W, Messinger S. Why Threshold-Based Classification Fails for Individual-level Biomarker Change (submitted). Messinger S et al. Deconvoluting the Data Sciences (in progress). Messinger S et al. Academic Medical Centers in the Era of AI: The Role of BIDS (in progress). Landsittel D et al. (including Messinger S). Necessity of resource allocation for rigorous statistical practice in team science (in progress).

Honors Include:

2026 – Elected Inaugural Fellow, Association for Clinical and Translational Science (FACTS)

2024 – Recognition of Educational Contributions Bonus Award, University of Miami Miller School of Medicine

2011 – Lecturer of the Year, Graduate Program in Epidemiology and Public Health Student Association, University of Miami

2004–2008 – NIH Clinical Loan Repayment Program Recipient

2004 – ENAR Junior Researchers Workshop Travel Award

2003 – Pathways into the Future Workshop for Women in Statistics Travel Award, ASA Joint Meeting

2002 – One-Term Dissertation Award, University of Michigan School of Public Health

2000–2001 – ENAR Student Travel Award; Horace H. Rackham Pre-Doctoral Fellowship, University of Michigan

Service to the Profession (ENAR and other professional societies):

American Statistical Association (ASA): Member, 1997–present. South Florida Chapter President (2025–2027); Florida Chapter Member (2024–present); Florida AStatA Data Literacy Group (2022–present); Committee on Women in Statistics (CoWIS), Chair (2026–2027) and Member (2026–2028); Scientific and Public Affairs Advisory Committee (2026–2028); Women in Statistics and Data Science Program Committee (2026–2027); Section on Epidemiology (2022–present); Communications Committee, JEDI Outreach Group (2022–present); Caucus of Academic Representatives (2023–present); Committee on Applied Statisticians (2012–2016).

Eastern North American Region of the Biometric Society (ENAR): Member, 1998–present. Session organizer and chair, 2014 Spring Meeting. ENAR Student Travel Award (2000–2001).

Association for Clinical and Translational Science (ACTS): Board of Directors (2024–2027); BERD SIG Chair (2021–2023), Chair-Elect (2019–2021); JEDI Committee (2021–present); Program Committee, TS Annual Meetings (2022–present); Inaugural FACTS Fellow (2026). Biostatistics Informatics and Data Science Enterprise Committee (BIDS EC), NCATS CATS Program: Lead Team Member (2024–present).

NIH Review Panels: NIDDK Special Emphasis Panel (2025); HIVRAD SEP ZAI1-RRS-A-J1 (2012); ZRG1 DKUS-B (55) (2018–2019); BMRD Ad-hoc Member (2020). JDRF Review Panels (2017–2019). PCORI Reviewer (2014–present).

Caucus for Women in Statistics: Member, 2018–present. Collaborative Islet Transplant Registry (CITR): Publications and Presentations Committee, 2007–present. UNICORN Network Steering Committee: Member, 2025–2027. ASPH Section on DEI (2022–2023). Association for Clinical and Translational Science: Methods and Processes Domain Task Force (2015–2018).

Editorial Activities: Associate Editor of Statistics, Journal of Cardiac Surgery (2019–present). Reviewer: British Medical Journal (2017–present); Communications in Statistics – Theory and Methods (2010–present); Cell Transplantation (2008–present); Diabetes Care (2005–present); Preventive Medicine (2006–present); Canadian Journal of Statistics; Journal of Avian Medicine and Surgery; Journal of Urban Health.

Service and Committee Work for the Profession:

ACTS BERD SIG Chair (2021–2023) and Chair-Elect (2019–2021); Meeting Organizer and Co-Chair, ACTS Annual Meetings (2022–present); ACTS Board of Directors (2024–2027); ACTS DEI Committee (2021–present); COPSS Emerging Leader Award Committee (2023–2026); North American Biostatistics Chairs Committee co-Chair (2024–2026) and Executive Committee (2023–present); Association of Clinical and Translational Statisticians (2015–present); Methods and Processes Domain Task Force, CTSA Consortium (2015–present); ASA Section on Statistical Consulting Nominating Committee (2013–2015); BERD Key Function Committee, CTSA (2012–2014); Biostatistics Informatics and Data Science Enterprise Committee (BIDS EC), NCATS CATS Program: Lead Team Member (2024–present); AIM-AHEAD Workforce Development Collaborative Project (2026); DSMB member for multiple clinical trials.

Additional Leadership Roles:

Director, Division of Biostatistics and Bioinformatics, Dept. of Public Health Sciences, University of Miami Miller School of Medicine (2024–present)

Director, BCCC and BERD Program, Miami CTSI (2010–present)

Lead Team Member, Biostatistics Informatics and Data Science Enterprise Committee (BIDS EC), NCATS CATS Program (2024–present)

Invited Professor, 10th International Summer School in Biosciences, Research and Management, Mani, Greece (2022)

Invited session organizer, chair, and panelist at JSM, ENAR, ACTS, and international biostatistics meetings (2003–present)

University of Miami Miller School of Medicine service: APT Committee (2023–present); Dean’s Research Cabinet (2022–present); Dean’s Diversity Council (2020–2023); Biostatistics Curriculum Committee (2009–present); CFAR Scientific Review Committee (2012–present); Master’s in Clinical and Translational Investigation Committee (2012–present).