NORM MEDEIROS

ACADEMIC APPOINTMENTS

2024-   Librarian of the College
                 Haverford College
                 Haverford, PA 19041

2011-2024   Associate Librarian of the College &
                 Coordinator, Collection Management and Metadata Services
                 Haverford College
                 Haverford, PA 19041

2005-2011   Associate Librarian of the College &
                 Coordinator, Bibliographic and Digital Services
                 Haverford College
                 Haverford, PA 19041

2000-2005   Coordinator, Bibliographic and Digital Services
                 Haverford College
                 Haverford, PA 19041

1997-2000   Technical Services Librarian
                 New York University School of Medicine
                 New York, NY 10016

1995-1997   Technical Services Librarian
                 Hartwick College
                 Oneonta, NY 13820

EDUCATION

1995   MLIS, *Library and Information Studies*
                 University of Rhode Island
                 Kingston, RI

1993   BA, *English/Writing and Communication*
                 University of Massachusetts Dartmouth
                 N. Dartmouth, MA

MAJOR RESPONSIBILITIES

• Responsible for all administrative functions of the Libraries, including program planning, budgeting, human resources, facilities, and policy setting.

• Serves as fiscal officer for the libraries; monitors and ensures all financial expenditures are well-managed and in the College's interest.

• Develops and monitors a strategic plan that supports the overall mission of the College.

• Evaluates the efficacy of library services.

• Works with faculty and other staff on campus to establish cooperative programs in support of course work, research, and co-curricular learning.

• Works closely with counterparts at Bryn Mawr and Swarthmore Colleges to develop shared, mutually-beneficial services in support of the TriCollege Library Consortium.

• Participates in and represents the College in regional, national, and international library organizations.

TEACHING

2020-2021   Advanced Topics in Research and Data Management (Economics 341)

GRANTS

2022-2026   ***Growing and Embedding Open Research in Institutional Practice and Culture*** (subcontractor with Richard J. Ball). A contract with the University of Bristol (UK) on behalf of the UK Reproducibility Network to provide training and curriculum on embedding transparency and computational reproducibility into the teaching of quantitative methods and supervision of student research. ($89,157)

2017-2020   ***Teaching Undergraduate Social Scientists about Integrity, Transparency, and Reproducibility in Empirical Research*** (co-principal investigator with Richard J. Ball) A second grant from the Alfred P. Sloan Foundation to fund diversification and capacity building to sustain and expand Project TIER. ($302,246)

2015-2017   ***Teaching Undergraduate Social Scientists about Integrity, Transparency, and Reproducibility in Empirical Research*** (co-principal investigator with Richard J. Ball) A grant from the Alfred P. Sloan Foundation to fund improvements in standards of practice and fostering stronger professional norms related to research transparency. ($98,486)

2013-2014	*Replication of Empirical Research: A Soup-to-Nuts Protocol for Documenting Data Management and Analysis* (co-principal investigator with Richard J. Ball) An Alfred P. Sloan Foundation/ICPSR Challenge Grant for Data Stewardship awarded to fund dissemination of a protocol for documenting empirical research. ($20,000)
2004-2005	*Managing Electronic Resources in the Tri-College Consortium* (project leader) A grant from the Council on Library and Information Resources (CLIR) to assist the Tri-Colleges in redesigning the ways it manages electronic resources. ($100,000)

COMMITTEE ASSIGNMENTS

National/Regional (selected)

2014-2017	President-Elect, President, Past-President – Association for Library Collections & Technical Services (ALCTS) *In collaboration with the Board of Directors, establish budget and strategic goals for the 3,000-member division of the American Library Association; appoint committee and award jury members and assess their accomplishments relative to their charges; secure donor funding for symposia and awards ceremony.*
2012-2014	ALCTS Director-at-Large
2012-2015	National Information Standards Organization (NISO) Business Information Topic Committee
2010-2012	ALCTS Planning Committee (Chair, 2011-2012)
2007-2009	ALCTS Publications Committee (Chair)
2006-2008	Digital Library Federation (DLF) Electronic Resource Management Initiative, Phase II (ERMI2) Steering Committee
2003-2007	ALCTS LRTS Editorial Board (CCS Representative)
2003-2005	ALCTS/CCS Research and Publications Committee (Chair)
2002-2003	ALCTS Continuing Education Task Force, Library of Congress Action Plan
2001-2003	ALCTS/CCS Policy and Research Committee (Chair, 2002-2003)

Local (selected)

2020-2024	Haverford College Operations Planning Group
2016-2020	Haverford College Magill Building Committee
2006-2024	Haverford College Equal Employment Officer
2005-2011, 2013-2019	Tri-College Library Consortium Strategic Advisory Group
2004-2005	Tri-College Library Consortium Process Redesign Team (Project Leader)

EDITORIAL/ADVISORY BOARDS

2013-2024	Project TIER (Founder & Director) www.projecttier.org *With fellow Founder and Director Richard Ball, Professor of Economics, Haverford College, developed and disseminated methods for promoting computational reproducibility in teaching and research advising; led efforts of the TIER Executive Committee to advance the mission of Project TIER; sought and secured external grants to fund Project TIER initiatives.*

2011-2015	*Serials Review* (reviewer)
2011-2014	*Library Resources & Technical Services* (Book Review Editor)
2008-2012	*Information Standards Quarterly* (editorial board member)
2007-2011	*Journal of Electronic Resources Librarianship* (editorial board member)
2006-2020	*Proceedings of the National Academy of Sciences (PNAS)* (Librarian Advisory Group member)
2005-2013	*E-LIS: The Open Archive for Library and Information Science* (U.S. editor)
2003-2007	*Library Resources & Technical Services* (editorial board member)
1999-2014	*OCLC Systems & Services: International Digital Library Perspectives* (editorial board member, columnist, and reviewer)

PROFESSIONAL SOCIETIES

American Library Association
Association of College and Research Libraries
CORE: Leadership, Infrastructure, Futures (formerly ALCTS)

AWARDS

2016   Alumnus of the Year, University of Rhode Island Graduate School of Library & Information Studies

2013   Distinguished Alumni Award, University of Rhode Island Graduate School of Library & Information Studies

1995   Beta Phi Mu, International Library & Information Studies Honor Society

BIBLIOGRAPHY

Publications (selected)

Ball, R.J., **Medeiros, N.**, Bussberg, N.W., & Piekut, A. (2022). An Invitation to Teaching Reproducible Research: Lessons from a Symposium. *Journal of Statistics and Data Science Education*, *30*(3). Available: https://doi.org/10.1080/26939169.2022.2099489

Medeiros, N. (2019). Trickle Up Transparency: Using the Project TIER Documentation Protocol to Teach Research Methods. *Technicalities: Information Forum for the Technical Services Professional, 39*(2): 1-6.

Medeiros, N. & Ball, R.J. (2017). Teaching Integrity in Empirical Economics: The Pedagogy of Reproducible Science in Undergraduate Education. In Hensley, M.K. & Davis-Kahl, S. (eds.), *Undergraduate Research and the Academic Librarian: Case Studies & Best Practices* (Chicago: Association of College & Research Libraries).

Hartman-Caverly, S., McColl, A., **Medeiros, N.**, & Persick M. (2014) A Hard DDA's Night: Managing a Consortial Demand Driven Acquisitions Program for E-books. In Bridges, K. (Ed.), *Customer-Based Collection Development: An Overview* (Chicago: American Library Association).

Ball, R.J. & **Medeiros N.** (2012). Teaching Integrity in Empirical Research: A Protocol for Documenting Data Management and Analysis. *Journal of Economic Education*, *43(2)*, 182-189.

Medeiros, N. (2009). Crisis Management. *OCLC Systems & Services: International Digital Library Perspectives, 25(2), 73-75.*

Medeiros, N. (2008). Access Revolution: The Birth, Growth, and Supremacy of Electronic Journals as an Information Medium. In Jones, W. (Ed.), *E-Journals Access and Management (*New York: Routledge).

Medeiros, N., Chandler, A., Miller, D., & Riggio, A. (2008). White Paper on Interoperability between Acquisitions Modules of Integrated Library Systems and Electronic Resource Management Systems. Available: http://www.diglib.org/standards/ERMI_Interop_Report_20080108.pdf

Medeiros, N. (2007). Uses of Necessity or Uses of Convenience? What Usage Statistics Reveal and Conceal About Electronic Serials. In Fowler, D.C. (Ed.), *Usage Statistics of E-Serials* (Binghamton, NY: Haworth Press).

Medeiros, N. (2007). Managing E-Resources in the Tri-College Consortium. In Mitchell, M. (Ed.), *Library Workflow Redesign: Six Use Studies*. Washington, DC: Council on Library and Information Resources.

Medeiros, N. (2006). House of Horrors: Exorcising Electronic Resources. In Bluh, P. & Hepfer, C. (Eds.), *Managing Electronic Resources: Contemporary Problems and Emerging Issues* (Chicago: American Library Association).

Medeiros, N. (2005). Factors Influencing Competency Perceptions and Expectations of Technical Services Administrators. *Library Resources & Technical Services*, *49(3),* 167-174.

Medeiros, N., Bills, L., Blatchley, J., Pascale, C., & Weir, B. (2003). Managing Administrative Metadata: The Tri-College Consortium's Electronic Resources Tracking System (ERTS). *Library Resources & Technical Services*, *47(1),* 28-35.

Seiden, P., Pumroy, E., **Medeiros, N.**, Morrison, A., & Luther, J. (2002). Should Three College Collections Add Up to One Research Collection? A Study of Collaborative Collection Development at Three Undergraduate Colleges. *Resource Sharing & Information Networks*, *16(2),* 189-204.

Presentations (selected)

Ball, R.J. & **Medeiros, N.** (2023, June). *The New (Aspirational) Normal: Saturating Quantitative Methods Instruction with Reproducibility*. Keynote address delivered at the University of Sheffield's "Symposium: Perspectives on Teaching Reproducibility."

Ball, R.J. & **Medeiros, N.** (2023, April). *Reproducible Workflows: Make Your Life Easier (and Increase the Value of Your Research)*. Webinar delivered to members of the Human Factors and Ergonomics Society.

Ball, R.J. & **Medeiros, N.** (2022, September). *Ex Post Replication and Ex Ante Documentation: Two Sides of a Coin*. Webinar presentation in the "Replicating Empirical Studies in Economics" series, sponsored by the Institute for New Economic Thinking.

Ball, R.J., **Medeiros, N.**, Platt, M. (2022, January). *Streamlining Workflow in Quantitative Methods Instruction and Research Supervision.* Webinar describing Project TIER principles and practices delivered to instructors at HBCUs and other MSIs.

Ball, R.J. & **Medeiros, N.** (2019, October). *Project TIER, Data Documentation, and Teaching Reproducible Methods.* Presentation at the "Reproducibility Symposium: Building Transparency into Research, Teaching, & Learning," held at the University at Albany.
https://scholarsarchive.library.albany.edu/open_access_week/2019/schedule/2/

Medeiros, N. (2019, March). *Teaching Students Transparent and Reproducible Research Methods with the TIER Protocol*. Presentation (virtual) at the "Methods on the Agenda" workshop, held at Federal University of Pernambuco, Recife, Brazil.

Medeiros, N. (2018, November). *Teaching Integrity in Empirical Economics: The Pedagogy of Reproducible Science in Undergraduate Education*. Presentation at the ACRL webinar, "Undergraduate Research and the Academic Librarian: Developing Programs for Undergraduate Researchers."

Medeiros, N. (2018, October). *Trickle Up Transparency: Teaching Reproducible Methods to Undergraduates*. Presentation at the 2018 ICPSR Data Fair webinar session, "Joining Forces to Promote Research Transparency."

Medeiros, N. (2018, May). *Trickle Up Transparency: Teaching Reproducible Methods to Undergraduates*. Presentation at the 2018 IASSIST/CARTO Annual Conference, Montreal, Canada.

Ball, R.J. & **Medeiros, N.** (2018, January). *Documenting Quantitative Research for Transparency and Reproducibility: Principles and Standards.* Workshop in Methods, Indiana University, Social Science Research Commons.

Medeiros, N. (2017, June). *Promoting Open Science throughout the Research Lifecycle: The Integrative Role of Libraries*. Invited keynote presentation at the 2017 Ex Libris Bluegrass Users Group Meeting, Bowling Green, KY.

Ball, R.J. & **Medeiros, N.** (2015, June). *Project TIER: Teaching Integrity in Empirical Economics*. Presentation at the 2015 Dataverse Community Meeting, Cambridge, MA.

Medeiros, N. (2015, January). *Writing for Publication*. Presentation at the 2015 ALCTS Virtual Midwinter Symposium.

Ball, R.J. & **Medeiros, N.** (2014, January). *Teaching Students to Document Empirical Research: A Protocol for Documenting Data Management and Analysis*. Presentation at the 2014 American Library Association Midwinter Meeting, Philadelphia, PA.

Ball, R.J. & **Medeiros, N.** (2013, August). *Teaching Students to Document Empirical Research*. ICPSR-sponsored webinar.

Ball, R.J. & **Medeiros, N.** (2013, August). *Teaching Good Research Practice: Documentation and Replicability*. Lecture at the ICPSR Summer Program in Quantitative Methods of Social Research, Ann Arbor, MI.

Medeiros, N. (2011, April). Building a Better ERMS.   Panelist for *Library Journal*-sponsored webcast.

Medeiros, N. (2010, October). *What Value Do ERMS Bring to Libraries?* Keynote address delivered at the National Information Standards Organization E-Resource Management Forum, Chicago, IL.

Medeiros, N. (2008, January). Risk and Entrepreneurship in Libraries. Moderator for the Association for Library Collections & Technical Services' Symposium to the American Library Association's Midwinter Meeting, Philadelphia, PA.

Medeiros, N. (2007, September). *The ERMS Value Proposition.* Paper presented at the National Information Standards Organization E-Resource Management Forum, Denver, CO.

Medeiros, N. (2006, November). *Tracking Elusive Prey: Managing Electronic Resources with ERMS.* Paper presented at the 26th Charleston Conference, Charleston, SC.

Medeiros, N. (2005, June). *Streamlining E-Resource Management through Workflow Redesign.* Paper presented at the American Library Association's Annual Conference, Chicago, IL.

Medeiros, N. (2004, November). *Cheaper by the Dozen: A College Librarian's Reflections on Consortia Deals and the Role of Serials Agents in the Electronic Age.* Paper presented at the Association of American Publishers' Roundtable, New York, NY.

Medeiros, N. (2004, January). *House of Horrors: Exorcising Electronic Resources.* Paper presented at the Association for Library Collections & Technical Services' Symposium to the American Library Association's Midwinter Meeting, San Diego, CA.

Medeiros, N. (2003, November). *Living on a Prayer: Acquisition and Management of Electronic Resources.* Paper presented at the Society for Scholarly Publishing Fall Seminar, Philadelphia, PA.

Medeiros, N. (2003, April). *Managing Administrative Metadata: The Tri-College Consortium's Electronic Resources Tracking System (ERTS).* Paper presented at the 11th Association of College & Research Libraries' National Conference, Charlotte, NC.

Workshops (recent)

Ball, R.J., DeBruine, L., & Medeiros, N. (2024, June). *TIER/UKRN Faculty Development Workshop: Teaching Transparent Methods of Empirical Research.* The second in-person workshop delivered to UKRN faculty under the auspices of the UKRN Open Research Programme. Held at the University of Glasgow.

Ball, R.J., **Medeiros, N.,** Platt, M. (2023, July). *Teaching Reproducible Research: Project TIER.* Virtual workshop delivered as part of the Atlanta University Center's Data Science Initiative Summer Workshop Series.

Ball, R.J. & **Medeiros, N.** (2023, June). *TIER/UKRN Faculty Development Workshop: Teaching Transparent Methods of Empirical Research.* The first workshop delivered to UKRN faculty under the auspices of the UKRN Open Research Programme. Held at the University of Sheffield.

Ball, R.J., **Medeiros, N.**, Platt, M., & Vera, D. (2022, August). *Teaching Reproducible Research: Project TIER*. Virtual workshop delivered as part of the Atlanta University Center's Data Science Initiative Summer Workshop Series.

Ball, R.J., Krall, J., & **Medeiros, N.** (2022, February). *Reproducibility in Health Research.* Virtual workshop delivered to American University of Beirut faculty, clinical researchers, and graduate students on implementing the TIER Protocol into teaching and research labs.

Arguillas, F., Ball, R.J., Christian, T.L., **Medeiros, N.**, & Peer, L. (2021, May). *CURE-TIER Curating for Reproducibility Workshop.* Virtual workshop delivered to librarians and archivists on preparing data sets and associated documentation to enable reproducibility into the future.

Ball, R.J., **Medeiros, N.**, Peifer, J., & Platt, M. (2021, March). *Faculty Development Workshop @ Atlanta University Center Consortium*. Virtual workshop delivered to instructors and librarians of Clark Atlanta University, Morehouse College, and Spelman College, on integrating reproducible methods into teaching and research advising.

Ball, R.J., Fortunato, L., Janz, N., & **Medeiros, N.** (2019, March). *Faculty Development Workshop @ St. Anne's College, Oxford.* In-person workshop co-sponsored with the UK Reproducibility Network for instructors and librarians from the United Kingdom and Europe to learn how to integrate Project TIER principles into teaching, research advising, and one's own research practices.

Ball, R.J., Marshall, E., **Medeiros, N.** & Underwood, A. (2018, November). *Faculty Development Workshop @ Haverford College.* In-person, two-day workshop on integrating Project TIER's computational reproducibility methods into teaching and research advising.

Ball, R.J., Dennis, T., & **Medeiros, N.** (2018, March). *Faculty Development Workshop @ UCLA*. In-person workshop co-sponsored between Project TIER and the UCLA Social Science Data Archive on reproducible methods using the TIER Protocol and dynamic documents.