

NORM MEDEIROS

Associate Librarian of the College
Coordinator, Collection Management & Metadata Services
Haverford College

ACADEMIC APPOINTMENTS

- 2011- 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

- Oversee all aspects of the Collection Management & Metadata Services division of the Haverford College Libraries (6 FTE). Functional areas include collection development, acquisition/licensing,

cataloging/metadata, electronic resource management, purchase and implementation of technology for public and staff use.

- Manage the Libraries' fiscal accounts; work with the Librarian of the College on identifying resource needs and preparing budget proposals.
- Coordinate collection development activities among the Libraries' subject bibliographers; oversee and allocate library materials budget.
- Assist the Librarian of the College with overall administration, including program planning, budgeting, human resources, and policy setting.
- Work closely with library counterparts at Bryn Mawr and Swarthmore Colleges, with particular emphasis on developing shared services and best practices within collections and technical services.
- As Economics Bibliographer, develop the library's collection and provide classroom and individual instruction to economics students; work with faculty on development of student research skills throughout the economics curriculum.

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

EDITORIAL/ADVISORY BOARDS

- 2013- Project TIER (Founder & Director) www.projecttier.org
With fellow Founder and Director Richard Ball, Professor of Economics, Haverford College, develop and disseminate methods for promoting computational reproducibility in teaching and research advising; lead efforts of the TIER Executive Committee to advance the mission of

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

PROFESSIONAL SOCIETIES

American Library Association

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. & **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.