

MONICA MARION

marion.98@osu.edu

(512)569-1737

monicamarion.com

EDUCATION

Indiana University

Dual PhD in Informatics and Folklore: Complex Networks and Systems Track August 2026

Thesis: *Story Across Scale: Modelling the Collective Complexity of Traditional Oral Narrative*

Co-Chairs: Barbara Hillers and Staša Milojević

Committee Members: YY Ahn, Brandon Barker

MS Informatics

May 2022

Harvard University

BA Folklore and Mythology, *magna cum laude* with Highest Honors

May 2017

Secondary Field in Human Evolutionary Biology

Phi Beta Kappa, Massachusetts Alpha Iota Chapter

Thesis: *Moving Forward, Looking Back: Comparative Folklore and Mythology in a Computational Age*

Advisor: Stephen Mitchell

Winner of Swapna Dev Undergraduate Thesis Prize

AWARDS AND FELLOWSHIPS

Dorson Dissertation Research Award

2024

IU Thesis research award from the Department of Folklore and Ethnomusicology

Graduate Capstone Research Award

2024

IU College-wide Dissertation research funding award, College Arts and Humanities Institute

Research Traineeship (NRT) Fellowship: Interdisciplinary Training in Complex Networks and Systems

2019-2021

National Science Foundation Fellowship to support Interdisciplinary, dual-degree trainees in the IU Complex Networks and Systems department

PUBLICATIONS AND PRESENTATIONS

M. Marion, S. Milojević. (2026) National Science Foundation interdisciplinary graduate training awards from 1996 to 2026. *Nature Scientific Data*. <https://doi-org.proxyiub.uits.iu.edu/10.1038/s41597-026-07678-2>.

E. Berkes, M. Marion, S. Milojević, B. A. Weinberg. (2024). Slow convergence: Career impediments to interdisciplinary biomedical research. *Proceedings of the National Academy of Sciences* 121 (32). <https://doi-org.proxyiub.uits.iu.edu/10.1073/pnas.2402646121>.

M. Marion, B. Hillers, A. Palandri, T. Falzett, W. Lamb (2027). Opening and closing formulas in Irish and Scottish magic tales. In *Decoding the Oral Traditions of Scotland and Ireland: From Manuscripts to Models*, eds. William Lamb, Brian Ó Raghallaigh, Beatrice Alex, Tiber Falzett and Barbara Hillers. Forthcoming 2026, Edinburgh University Press.

M. Marion, B. Hillers, C. Mac Cárthaigh, A. Palandri, T. Falzett (2027). Uncovering gender-based repertoire differences. In *Decoding the Oral Traditions of Scotland and Ireland: From Manuscripts to Models*, eds. William Lamb, Brian Ó Raghallaigh, Beatrice Alex, Tiber Falzett and Barbara Hillers. Forthcoming 2026, Edinburgh University Press.

J. Tehrani, M. Marion, B. Hillers, W. Lamb, C. Mac Cárthaigh, T. Falzett (2027). Phylogenetic and population genetic methods in folktale research. In *Decoding the Oral Traditions of Scotland and Ireland: From Manuscripts to Models*, eds. William Lamb, Brian Ó Raghallaigh, Beatrice Alex, Tiber Falzett and Barbara Hillers. Forthcoming 2026, Edinburgh University Press.

S. Milojević, M. Marion, D. Hanks, J. Gressley, K. Kniffin, B. A. Weinberg. (2026). The Different “Whys” of Interdisciplinarity: Institutional Logics and the Coherence Gap in Interdisciplinary Education and Careers. *Research Policy* [in preparation]

M. Marion, S. Milojević, B. A. Weinberg (2027). AI and Skills in the Interdisciplinary Graduate Workforce [in preparation].

E.C. Sibert, M. Friedman, M. Gall, M. Marion, L.D. Rubin, N. Wallis Mauro (2026). Typifying tiny teeth: A standardized coding system to quantify morphological variation in fish teeth for comparative ecological, evolutionary, and functional morphological studies. *Integrative Organismal Biology: A Journal of the Society for Integrative and Comparative Biology*. [accepted]

M. Marion. (2026). Review of Elena Emma Sottillotta, *Seekers of Wonder: Women Writing Folk and Fairy Tales in Nineteenth-Century Italy and Ireland*. *Journal of Folklore Research Reviews*.

M. Marion (2025). Maps of Nonsense: using NLP to explore Tig and counting out rhymes in the Irish NFC Schools’ Collection. *International Society for Ethnology and Folklore 17th Congress*—Aberdeen, UK

M. Marion, W. Lamb, B. Ó Raghallaigh, B. Alex, T. Falzett, B. Hillers, C. Mac Cárthaigh, J. Meaney, A. Palandri, J. Tehrani (2024). Using and Enhancing the Gaelic Tradition Archives: The ‘Decoding Hidden Heritages’ Project. *Archives of Traditional Culture 100+1*—Riga, Latvia

B. Hillers, M. Marion, W. Lamb, B. Ó Raghallaigh, B. Alex, T. Falzett, C. Mac Cárthaigh, J. Meaney, A. Palandri, J. Tehrani (2023). Decoding Hidden Heritages in Gaelic Traditional Narrative. *American Folklore Society Annual Meeting*—Portland, OR

M. Marion, W. Lamb, B. Ó Raghallaigh, B. Alex, T. Falzett, B. Hillers, C. Mac Cárthaigh, J. Meaney, A. Palandri, J. Tehrani (2023). Mining the Celtic Folklore Archives: Decoding Hidden Heritages in Gaelic Traditional Narrative. *International Congress of Celtic Studies XVII*—Utrecht, Netherlands

T. Falzett, M. Marion, W. Lamb, B. Ó Raghallaigh, B. Alex, B. Hillers, C. Mac Cárthaigh, J. Meaney, A. Palandri, J. Tehrani (2023). Decoding Hidden Heritages: Enhancing access to Scottish and Irish traditional narrative. *International Society for Ethnology and Folklore 16th Congress*—Brno, Czechia

M. Marion (2022). Community Formation on the Early Internet. *IU/OSU Folklore Conference: “(Re)Connecting Community”* –Virtual

GRANT PROJECTS

Bi-national (Irish/UK) Grant “Decoding Hidden Heritages in Gaelic Traditional Narrative with Text-Mining and Phylogenetics”

2022-2024

- Included graduate researcher on project funded by the Irish Research Council and the UK's Arts and Humanities Research Council
- Collaborative grant including researchers at the University of Edinburgh, University College Dublin, Dublin City University, and Indiana University
- Position included two summers of archival research at the Irish National Folklore Collection in Dublin, with visit to the School of Scottish Studies Archive in Edinburgh.

Collaborative Research: Training to Find Gaps, not Fall through the Cracks: Research and Guidance for Policy Makers, Interdisciplinary Graduate Students, and their Institutions

2021-2026

- Included graduate researcher on project funded by National Science Foundation.
- Collaborative grant including researchers at the Ohio State University, Indiana University, and Cornell University.
- Position required work with large, publicly available datasets such as the NSF reporter, Web of Science, and ProQuest
- As well as certification for and work with anonymized, protected datasets like UMETRICS and the Survey of Earned Doctorates

OTHER RESEARCH EXPERIENCE

Oxford Internet Institute- UC Berkeley School of Information Summer Doctoral Program

2025, Participant

- Worked together with doctoral students from around the world for two weeks of study
- Participated in daily lectures, seminars, discussion and tutorials with leading academics in the field of information and internet studies.

Santa Fe Institute Graduate Workshop in Computational Social Science

2025, Participant

- Worked with a group of advanced Ph.D. students and a small faculty for an intensive two-week study of computational social science modeling and complexity
- Conducted advanced independent research and work collaboratively with fellow participants in seminars, formal and informal discussions, and a hackathon-style challenge.

IU Online Student Folklore Archives and the Journal of Folklore Research Reviews

2023-Present, Website and Archive Manager

- Updated and transfer information from old websites to IU web servers
- Designed an archival interface for IU Student Folklife
- Worked in html and xml to transfer archival research reviews to the IU Open Journal

Indiana University Virtual World Heritage Lab

2020-2021, Graduate Research Assistant

- Proposed and prototyped text mining tools to record, visualize, and organize archaeological data from HathiTrust and local PDFs.
- Designed and managed VWHL web applications and databases.

Harvard Anthropology Department

2017-2019, Database Designer

- Created and maintained the database for Harvard's Tao River Archaeological Excavation in Northwestern China
- Learned and employed best practices for database structure and management
- Learned and utilized computational tools including PostgreSQL, AWS, and ResourceSpace

TEACHING AND SERVICE

Practical Teaching Magic: Creating Everyday Teaching Materials

Spring 2026, Indiana University Center for Innovative Teaching and Learning

- Utilized educational principles to create a syllabus for a course on "Internet Folklore"
- Engaged in peer review, structured learning, and discussion

Lecture: Computational Methods

Spring 2025 and 2026, Guest instructor in the course "History of Folklore"

- Led class, including lecture and discussion
- Revised plan for 2026 lecture based on 2025 student feedback and interests of new class
- Received positive student feedback for both lectures

Workshop: Data Pipelines in Informatics

Fall 2025, Guest instructor in the course "Introduction to Methods in Informatics"

- Led a workshop-based class, focused on analyzing real-world data
- Created a series of workbooks in Jupyter notebook, used as the basis for the workshop
- Received positive student feedback, and subsequently revised the course materials for reuse

Lecture: Digital Archives

Spring 2026, Guest instructor in the course "Folklore Archives, Digital Age"

- Led an informal discussion-based class with interactive examples of archives
- Received positive student feedback

Cybersecurity at MIT Sloan

Writer and Analyst, 2017-2019

- Write promotional material to communicate CAMS work outside of academia
- Edit and prepare academic papers for publication
- Create presentation and design materials including logo and research overview