

# ANDREW R. RUIS

University of Wisconsin, Madison

489 Educational Sciences Bldg., 1025 W. Johnson St., Madison, WI 53706-1706

Phone: 608.263.1208 ♦ Email: arruis@wisc.edu ♦ Website: www.andrewruis.com

ORCID 0000-0003-1382-4677

## EDUCATION

- 2011 Ph.D., History of Science, Medicine, and Technology, University of Wisconsin, Madison  
2004 M.A., History of Science, Medicine, and Technology, University of Wisconsin, Madison  
2002 B.A. & B.S. *cum laude*, Comparative Literature & Microbiology, University of California, Davis

## APPOINTMENTS

### CURRENT APPOINTMENTS

- 2017– Associate Director for Research, Epistemic Analytics, Wisconsin Center for Education Research, University of Wisconsin, Madison  
2013– Fellow, Department of Medical History and Bioethics, School of Medicine and Public Health, University of Wisconsin, Madison

### PAST APPOINTMENTS

- 2015–2017 University of Wisconsin–American College of Surgeons Education Research Fellow, Department of Surgery, School of Medicine and Public Health, University of Wisconsin, Madison  
2012–2017 Research Associate, Epistemic Games Group, Wisconsin Center for Education Research, University of Wisconsin, Madison  
2012 & 2014 Senior Lecturer, Department of Medical History and Bioethics, School of Medicine and Public Health, University of Wisconsin, Madison

## HONORS & AWARDS

- Best Paper Award, 2<sup>nd</sup> *International Conference on Quantitative Ethnography*, Online, 2021  
Best Paper Award, 13<sup>th</sup> *International Conference on Computer-Supported Collaborative Learning*, Lyon, France, 2019  
Emerging Scholar Fellowship in the History of Home Economics, University of Georgia, Athens, 2012  
Pearce Fellowship in the History of Medicine, University of Kansas Medical Center, 2011  
Coleman Dissertation Fellowship, Institute for Research in the Humanities, University of Wisconsin, Madison, 2009  
Vilas Research Travel Award, University of Wisconsin, Madison, 2008  
College of Letters and Sciences Teaching Fellowship, University of Wisconsin, Madison, 2007

Rank Prize for the Best Paper by a Junior Researcher, *Rank Prize Conference on the Origins of the Science of Infant and Child Nutrition*, Windermere, United Kingdom, 2007

Herfurth Distinguished Graduate Fellowship in History of Science, University of Wisconsin, Madison, 2006

Honorable Mention, Shryock Medal Essay Contest, American Association for the History of Medicine, 2005

Richardson Graduate Fellowship in History of Medicine, University of Wisconsin, Madison, 2005

Department Citation in Comparative Literature, University of California, Davis, 2002

Honorable Mention, Eta Sigma Phi National Greek Translation Contest, 2002

Evans-Grimm Prize in Greek, Department of Classics, University of California, Davis, 2001

## GRANTS

National Science Foundation, Advancing Informal STEM Learning Grant (2017–2021): \$1,999,716

Title: AISL: Local Environmental Modeling: A Toolkit for Incorporating Place-Based Learning into Virtual Internships—a Scalable, Informal STEM Learning Environment

Role: Research Scientist (D. W. Shaffer, PI)

POM Wonderful Research Grant (2012–2013): \$6,000

Title: As Many Uses as Seeds: A Cultural History of the Pomegranate in Pre-Modern Medicine

Role: Principal Investigator

Robert Wood Johnson Foundation, Health and Society Scholars Dissertation Grant (2008–2009): \$5,000

Title: Eating to Learn, Learning to Eat: School Foodservice and Public Health Nutrition in Early Twentieth-Century America

Role: Principal Investigator

## PUBLICATIONS

### MONOGRAPHS

A. R. Ruis, *Eating to Learn, Learning to Eat: The Origins of School Lunch in the United States*, Critical Issues in Health and Medicine Series (New Brunswick: Rutgers University Press, 2017).

Reviews: *Agricultural History* ❖ *Bulletin of the History of Medicine* ❖ *Food, Culture and Society* ❖ *Gastronomica: The Journal of Critical Food Studies* ❖ *Health Affairs* ❖ *Journal of the History of Childhood and Youth* ❖ *Journal of the History of Medicine and Allied Sciences* ❖ *The Lancet Child and Adolescent Health* ❖ *Nursing Clio* ❖ *Social History of Medicine*

### JOURNAL ARTICLES

Z. Swiecki, A. R. Ruis, C. Farrell, & D. W. Shaffer, “Assessing Individual Contributions to Collaborative Problem Solving: A Network Analysis Approach,” *Computers in Human Behavior* 104 (2020): 105876.

A. D. D’Angelo, A. R. Ruis, W. Collier, D. W. Shaffer, & C. M. Pugh, “Evaluating How Residents Talk and What It Means for Surgical Performance in the Simulation Lab,” *American Journal of Surgery* 220, no. 1 (2020): 37–43.

- Z. Swiecki, A. R. Ruis, D. Gautam, V. Rus, & D. W. Shaffer, "Understanding When Students Are Active-in-Thinking through Modeling-in-Context," *British Journal of Educational Technology* 50, no. 5 (2019): 2346–2364.
- B. Wu, Y. Hu, A. R. Ruis, & M. Wang, "Analysing Computational Thinking in Collaborative Programming: A Quantitative Ethnography Approach," *Journal of Computer Assisted Learning* 35, no. 3 (2019): 421–434.
- A. R. Ruis, A. A. Rosser, C. Quandt-Walle, J. N. Nathwani, D. W. Shaffer, & C. M. Pugh, "The Hands and Head of a Surgeon: Modeling Operative Competency with Multimodal Epistemic Network Analysis," *American Journal of Surgery* 216, no. 5 (2018): 835–840.
- S. Andrist, A. R. Ruis, & D. W. Shaffer, "A Network Analytic Approach to Gaze Coordination during a Collaborative Task," *Computers in Human Behavior* 89 (2018): 339–348.
- S. A. Sullivan, C. Warner-Hillard, B. R. Eagan, R. Thompson, A. R. Ruis, K. Haines, C. M. Pugh, D. W. Shaffer, & H. S. Jung, "Using Epistemic Network Analysis to Identify Targets for Educational Interventions in Trauma Team Communication," *Surgery* 163, no. 4 (2018): 938–943.
- A. L. Siebert-Evenstone, G. Arastoopour, W. Collier, Z. Swiecki, A. R. Ruis, & D. W. Shaffer, "In Search of Conversational Grain Size: Modeling Semantic Structure using Moving Stanza Windows," *Journal of Learning Analytics* 4, no. 3 (2017): 123–139.
- J. Saucerman, A. R. Ruis, & D. W. Shaffer, "Automating the Detection of Reflection-on-Action," *Journal of Learning Analytics* 4, no. 2 (2017): 207–234.
- S. A. Sullivan, A. R. Ruis, & C. M. Pugh, "Procedural Simulations and Reflective Practice: Meeting the Need," *Journal of Laparoendoscopic and Advanced Surgical Techniques* 27, no. 5 (2017): 455–458.
- A. R. Ruis & D. W. Shaffer, "Annals and Analytics: The Practice of History in the Age of Big Data," *Medical History* 61, no. 2 (2017): 336–339.
- D. W. Shaffer, W. Collier, & A. R. Ruis, "A Tutorial on Epistemic Network Analysis: Analyzing the Structure of Connections in Cognitive, Social, and Interaction Data," *Journal of Learning Analytics* 3, no. 3 (2016): 9–45.
- A. R. Ruis, D. W. Shaffer, D. K. Shirley, & N. Safdar, "Teaching Health Care Workers to Adopt a Systems Perspective for Improved Control and Prevention of Health Care-Associated Infections," *American Journal of Infection Control* 44, no. 11 (2016): 1360–1364.
- G. Arastoopour, D. W. Shaffer, Z. Swiecki, A. R. Ruis, & N. C. Chesler, "Teaching and Assessing Engineering Design Thinking with Virtual Internships and Epistemic Network Analysis," *International Journal of Engineering Education* 32, no. 3B (2016): 1492–1501.
- N. Safdar, A. R. Ruis, D. K. Shirley, & N. Fost, "Should Trainees be Involved in the Direct Care of Patients with Ebola Virus Disease?" *AMEE MedEdPublish* 5, no. 1 (2016).
- D. W. Shaffer, P. Nash, & A. R. Ruis, "Technology and the New Professionalization of Teaching," *Teachers College Record* 117, no. 12 (2015): 1–30.
- A. R. Ruis, "The Penny Lunch Has Spread Faster Than the Measles: Children's Health and the Debate over School Lunches in New York City, 1908–1930," *History of Education Quarterly* 55, no. 2 (2015): 190–217.
- A. R. Ruis, "Pomegranate and the Mediation of Balance in Early Medicine," *Gastronomica: The Journal of Critical Food Studies* 15, no. 1 (2015): 22–33.
- N. C. Chesler, A. R. Ruis, W. Collier, Z. Swiecki, G. Arastoopour, & D. W. Shaffer, "A Novel Paradigm for Engineering Education: Virtual Internships with Individualized Mentoring and Assessment of Engineering Thinking," *Journal of Biomechanical Engineering* 137, no. 2 (2015): 024701.

- A. R. Ruis, “Children with Half-Starved Bodies’ and the Assessment of Malnutrition in the United States, 1890–1950,” *Bulletin of the History of Medicine* 87, no. 3 (2013): 380–408.
- A. R. Ruis & R. N. Golden, “The Schism between Medical and Public Health Education: A Historical Perspective,” *Academic Medicine* 83, no. 12 (2008): 1153–1157.

#### BOOK CHAPTERS

- A. R. Ruis, “Weight, Height, and the Gendering of Nutritional Assessment,” in *Pink and Blue: Gender, Culture, and the Health of Children*, eds. E. Conis, S. Eder, & A. Medeiros (New Brunswick: Rutgers University Press, 2021).
- A. R. Ruis, “Trois Empreintes d’un Môme Cachet’: Toward a Historical Definition of Nutrition,” in *Viral Networks: Connecting Digital Humanities and Medical History*, eds. E. T. Ewing & K. Randall (Blacksburg: VT Publishing, 2018), 185–215.
- M. DiMeo & A. R. Ruis, “Thinking about Sources as Data: Reflections on Epistemic Network Analysis as a Technique for Historical Research,” in *Viral Networks: Connecting Digital Humanities and Medical History*, eds. E. T. Ewing & K. Randall (Blacksburg: VT Publishing, 2018), 113–135.
- A. R. Ruis, A. J. Hampton, B. S. Goldberg, & D. W. Shaffer, “Modeling Processes of Enculturation in Team Training,” in *Design Recommendations for Intelligent Tutoring Systems: Volume 6 – Team Tutoring*, eds. R. Sottolare, A. C. Graesser, X. Hu, & A. M. Sinatra (Orlando: U.S. Army Research Laboratory, 2018), 45–51.
- D. W. Shaffer & A. R. Ruis, “Epistemic Network Analysis: A Worked Example of Theory-Based Learning Analytics,” in *Handbook of Learning Analytics*, eds. C. Lang, G. Siemens, A. Wise, & D. Gašević (Society for Learning Analytics Research, 2017), 175–187.
- D. W. Shaffer, A. R. Ruis, & A. C. Graesser, “Authoring Networked Learner Models in Complex Domains,” in *Design Recommendations for Intelligent Tutoring Systems: Volume 3 – Authoring Tools and Expert Modeling Techniques*, eds. R. Sottolare, A. C. Graesser, X. Hu, & K. Brawner (Orlando: U.S. Army Research Laboratory, 2015), 179–191.

#### CONFERENCE PROCEEDINGS

- A. R. Ruis & S. B. Lee, eds., *Advances in Quantitative Ethnography: Second International Conference, ICQE 2020, Malibu, CA, USA, February 1-3, 2021, Proceedings* (Springer, 2021).
- A. R. Ruis & S. B. Lee, eds., *Second International Conference on Quantitative Ethnography: Conference Proceedings Supplement* (International Society for Quantitative Ethnography, 2021).

#### CONFERENCE PAPERS

- Y. Wang, Z. Swiecki, A. R. Ruis, & D. W. Shaffer, “Simplification of Epistemic Networks Using Parsimonious Removal with Interpretive Alignment,” in *Advances in Quantitative Ethnography: Second International Conference, ICQE 2020, Malibu, CA, USA, February 1–3, 2021, Proceedings*, eds. A. R. Ruis & S. B. Lee (Springer, 2021), 137–151.
- A. Fogel, Z. Swiecki, C. L. Marquart, Z. Cai, Y. Wang, J. Brohinsky, A. L. Siebert-Evenstone, B. R. Eagan, A. R. Ruis, & D. W. Shaffer, “Directed Epistemic Network Analysis,” in *Advances in Quantitative Ethnography: Second International Conference, ICQE 2020, Malibu, CA, USA, February 1–3, 2021, Proceedings*, eds. A. R. Ruis & S. B. Lee (Springer, 2021), 122–136.
- 🏆 Winner of the Best Student Paper Award.

- J. Brohinsky, C. L. Marquart, J. Wang, A. R. Ruis, & D. W. Shaffer, "Trajectories in Epistemic Network Analysis," in *Advances in Quantitative Ethnography: Second International Conference, ICQE 2020, Malibu, CA, USA, February 1–3, 2021, Proceedings*, eds. A. R. Ruis & S. B. Lee (Springer, 2021), 106–121.
- S. Zörgő, Z. Swiecki, & A. R. Ruis, "Exploring the Effects of Segmentation on Semi-Structured Interview Data with Epistemic Network Analysis," in *Advances in Quantitative Ethnography: Second International Conference, ICQE 2020, Malibu, CA, USA, February 1–3, 2021, Proceedings*, eds. A. R. Ruis & S. B. Lee (Springer, 2021), 78–90.  
 🏆 Winner of the Best Paper Award.
- D. W. Shaffer & A. R. Ruis, "How We Code," in *Advances in Quantitative Ethnography: Second International Conference, ICQE 2020, Malibu, CA, USA, February 1–3, 2021, Proceedings*, eds. A. R. Ruis & S. B. Lee (Springer, 2021), 62–77.
- S. Jung, V. Popov, A. R. Ruis, A. Wooldridge, & S. Zörgő, "Quantitative Ethnography in the Clinic," in *Second International Conference on Quantitative Ethnography: Conference Proceedings Supplement*, eds. A. R. Ruis & S. B. Lee (International Society for Quantitative Ethnography, 2021), 92–98.
- A. R. Ruis, A. A. Rosser, J. N. Nathwani, M. V. Beems, S. A. Jung, & C. M. Pugh, "Multiple Uses for Procedural Simulators in Continuing Medical Education Contexts," in *Advances in Quantitative Ethnography: First International Conference, ICQE 2019, Madison, WI, USA, October 20–22, 2019, Proceedings*, eds. B. Eagan, M. Misfeldt, & A. Siebert-Evenstone (Springer, 2019), 211–222.
- Z. Swiecki, C. Marquart, A. Sachar, C. Hinojosa, A. R. Ruis, & D. W. Shaffer, "Designing an Interface for Sharing Quantitative Ethnographic Research Data," in *Advances in Quantitative Ethnography: First International Conference, ICQE 2019, Madison, WI, USA, October 20–22, 2019, Proceedings*, eds. B. Eagan, M. Misfeldt, & A. Siebert-Evenstone (Springer, 2019), 334–341.
- A. R. Ruis, A. L. Siebert-Evenstone, R. Pozen, B. R. Eagan, & D. W. Shaffer, "Finding Common Ground: A Method for Measuring Recent Temporal Context in Analyses of Complex, Collaborative Thinking," in *A Wide Lens: Combining Embodied, Enactive, Extended, and Embedded Learning in Collaborative Settings: 13<sup>th</sup> International Conference on Computer-Supported Collaborative Learning (CSCL) 2019*, eds. K. Lund, G. Niccolai, E. Lavoué, C. Hmelo-Silver, G. Gweon, & M. Baker (2019), I:136–143.  
 🏆 Winner of the Best Paper Award.
- H. Sung, S. Cao, A. R. Ruis, & D. W. Shaffer, "Reading for Breadth, Reading for Depth: Understanding the Relationship between Reading and Complex Thinking using Epistemic Network Analysis," in *A Wide Lens: Combining Embodied, Enactive, Extended, and Embedded Learning in Collaborative Settings: 13<sup>th</sup> International Conference on Computer-Supported Collaborative Learning (CSCL) 2019*, eds. K. Lund, G. Niccolai, E. Lavoué, C. Hmelo-Silver, G. Gweon, & M. Baker (2019), I:376–383.
- Z. Swiecki, Z. Lian, A. R. Ruis, & D. W. Shaffer, "Does Order Matter? Investigating Sequential and Cotemporal Models of Collaboration," in *A Wide Lens: Combining Embodied, Enactive, Extended, and Embedded Learning in Collaborative Settings: 13<sup>th</sup> International Conference on Computer-Supported Collaborative Learning (CSCL) 2019*, eds. K. Lund, G. Niccolai, E. Lavoué, C. Hmelo-Silver, G. Gweon, & M. Baker (2019), I:112–119.  
 🏆 Finalist for the Naomi Miyake Best Student Paper Award.
- Z. Swiecki, A. R. Ruis, & D. W. Shaffer, "Modeling and Visualizing Team Performance Using Epistemic Network Analysis," in *Proceedings of the 7<sup>th</sup> Annual Generalized Intelligent Framework for Tutoring (GIFT) Users Symposium*, ed. B. S. Goldberg (2019), 148–156.
- A. R. Ruis, A. L. Siebert-Evenstone, R. Pozen, B. R. Eagan, & D. W. Shaffer, "A Method for Determining the Extent of Recent Temporal Context in Analyses of Complex, Collaborative Thinking," in *Rethinking*

*Learning in the Digital Age: Making the Learning Sciences Count, 13<sup>th</sup> International Conference of the Learning Sciences (ICLS) 2018*, eds. J. Kay & R. Luckin (2018), III:1625–1626.

B. R. Eagan, B. Rogers, R. Serlin, A. R. Ruis, G. Arastoopour, & D. W. Shaffer, “Can We Rely on Reliability? Testing the Assumptions of Inter-Rater Reliability,” in *Making a Difference: Prioritizing Equity and Access in CSCL: 12<sup>th</sup> International Conference on Computer-Supported Collaborative Learning*, eds. B. K. Smith, M. Borge, E. Mercier, & K. Y. Lim (2017), II:529–532.

W. Collier, A. R. Ruis, & D. W. Shaffer, “Local versus Global Connection Making in Discourse,” in *Transforming Learning, Empowering Learners: 12<sup>th</sup> International Conference of the Learning Sciences (ICLS) 2016*, eds. C.-K. Looi, J. Polman, U. Cress, & P. Reimann (2016), I:426–433.

🏆 Winner of the Naomi Miyake Best Student Paper Award.

A. L. Siebert-Evenstone, G. Arastoopour, W. Collier, Z. Swiecki, A. R. Ruis, & D. W. Shaffer, “In Search of Conversational Grain Size: Modeling Semantic Structure using Moving Stanza Windows,” in *Transforming Learning, Empowering Learners: 12<sup>th</sup> International Conference of the Learning Sciences (ICLS) 2016*, eds. C.-K. Looi, J. Polman, U. Cress, & P. Reimann (2016), I:631–638.

🏆 Finalist for the Naomi Miyake Best Student Paper Award.

#### ENCYCLOPEDIA ENTRIES

A. R. Ruis, “Nutrition Classes and Clinics,” in *The Oxford Encyclopedia of Food and Drink in America*, 2<sup>nd</sup> Edition, ed. A. F. Smith (Oxford: Oxford University Press, 2012), 723–725.

#### TECHNICAL REPORTS

D. W. Shaffer, F. Borden, A. Srinivasan, J. Saucerman, G. Arastoopour, W. Collier, A. R. Ruis, & K. A. Frank, “The *n*Coder: A Technique for Improving the Utility of Inter-Rater Reliability Statistics,” Epistemic Games Group Working Paper 2015-01 (University of Wisconsin, Madison, 2015).

#### SOFTWARE APPLICATIONS

A. R. Ruis, T. J. Lark, A. L. Siebert-Evenstone, C. Barford, J. Klein, C. L. Hinojosa, V. Dumas, J. Núñez Ares, B. Tian, M. Bougie, C. Ramakrishnan, K. Vachuska, L. Marshall, A. Dohan, K. Scopinich, C. L. Marquart, J. T. Linderoth, & D. W. Shaffer, *iPlan* [Software Application] (2019): <https://lem.epistemic-games.org/>

Z. Swiecki, A. Sachar, C. Marquart, C. Hinojosa, A. R. Ruis, & D. W. Shaffer, *Game of Thrones Epistemic Network Analysis (GoTena)* [Software Application] (2019): <https://got.epistemicnetwork.org/>

#### BOOK & MEDIA REVIEWS

Review of Tom Scott-Smith, *On an Empty Stomach: Two Hundred Years of Hunger Relief* (Ithaca: Cornell University Press, 2020), *Bulletin of the History of Medicine*, in press.

Review of Lana Dee Povitz, *Stirrings: How Activist New Yorkers Ignited a Movement for Food Justice* (Chapel Hill: University of North Carolina Press, 2019), *Journal of American History*, in press.

Review of Diana Brown, *The Unconventional Career of Dr. Muriel Bell* (Dunedin: Otago University Press, 2018), *Bulletin of the History of Medicine* 94, no. 1 (2020): 170–171.

Review of Catherine Gidney, *Captive Audience: How Corporations Invaded Our Schools* (Toronto: Between the Lines, 2019), *Alberta Journal of Education Research* 65, no. 4 (2019): 383–384.

Review of Christy Ford Chapin, *Ensuring America’s Health: The Public Creation of the Corporate Health Care System* (New York: Cambridge University Press, 2015), *Journal of American History* 104, no. 2 (2017): 544–545.

- Review of George Veletsianos, ed., *Emergence and Innovation in Digital Learning: Foundations and Applications* (Edmonton: AU Press, 2016), *Alberta Journal of Educational Research* 63, no. 4 (2017): 412–413.
- Review of Matthew Smith, *Another Person's Poison: A History of Food Allergy* (New York: Columbia University Press, 2015), *Bulletin of the History of Medicine* 90, no. 3 (2016): 571–572.
- Review of Ian Mosby, *Food Will Win the War: The Politics, Culture, and Science of Food on Canada's Homefront* (Vancouver: University of British Columbia Press, 2014), *War in History* 23, no. 2 (2016): 272–273.
- Review of David S. Jones, *Broken Hearts: The Tangled History of Cardiac Care* (Baltimore: The Johns Hopkins University Press, 2013), *Journal of the History of Medicine and Allied Sciences* 70, no. 1 (2015): 160–163.
- Review of Richard A. Meckel, *Classrooms and Clinics: Urban Schools and the Protection and Promotion of Child Health, 1870–1930* (New Brunswick: Rutgers University Press, 2013), *Social History of Medicine* 27, no. 4 (2014): 823–824.
- Review of Charlotte Biltekoff, *Eating Right in America: The Cultural Politics of Food and Health* (Durham: Duke University Press, 2013), *Medical History* 58, no. 3 (2014): 448–450.
- Review of R. Brian Howe & Katherine Covell, *Education in the Best Interests of the Child: A Children's Rights Perspective on Closing the Achievement Gap* (Toronto: University of Toronto Press, 2013), *Alberta Journal of Educational Research* 60, no. 1 (2014): 226–228.
- Review of David Cantor, Christian Bonah, & Matthias Dörries, eds., *Meat, Medicine and Human Health in the Twentieth Century* (London: Pickering & Chatto, 2010), *Journal of the History of Medicine and Allied Sciences* 68, no. 4 (2013): 699–702.
- Review of Xaq Frohlich, *Accounting for Taste: Regulating Food Labeling in the 'Affluent Society,' 1945–1995* (Ph.D. Thesis, Massachusetts Institute of Technology, 2011), *Science Studies Dissertation Reviews* (17 October 2012).

#### OTHER PUBLICATIONS

- A. R. Ruis, “The Gastropolitics of School Lunch,” *Nursing Clio* (13 September 2017).
- A. R. Ruis, “Branding Bran: School Breakfasts as a Recipe for Healthy Children,” *H-Nutrition × The Recipes Project: What Is a Recipe?*, ed. K. A. Ehrenberger (20 June 2017).
- A. R. Ruis, “School Meals, Re-Accommodated,” *Remedia* (29 May 2017).
- A. R. Ruis, “The Newer History of Nutrition,” *H-Nutrition* (20 October 2016).

#### MANUSCRIPTS IN PROGRESS

- (Under Review) J. Choi, Z. Cai, C. L. Marquart, A. R. Ruis, & D. W. Shaffer, “When Data Interleaves and Intersects: Threaded Epistemic Network Analysis,” in *Third International Conference on Quantitative Ethnography: Conference Proceedings Supplement*, eds. B. Wasson & S. Zörgő (International Society for Quantitative Ethnography, 2021).
- (Under Review) Y. Tan, C. L. Hinojosa, C. L. Marquart, A. R. Ruis, & D. W. Shaffer, “Epistemic Network Analysis Visualization,” in *Advances in Quantitative Ethnography: Third International Conference, ICQE 2021, Madison, WI, USA, November 6–9, 2021, Proceedings*, eds. B. Wasson & S. Zörgő (Springer, 2021).
- (Under Review) V. Popov, A. R. Ruis, & J. M. Cooke, “Taking Stock and Looking Ahead: Evolution of Accreditation Feedback for Simulation Centers over Nine Years Using Epistemic Network Analysis,” *Simulation in Healthcare*.

(*In Preparation*) S. Zörgő, G. J. Y. Peters, A. Geröly, A. Jeney, K. Veres, & A. R. Ruis, “An Epistemic Network Analysis of Patient Decision-Making Regarding Choice of Therapy.”

(*In Preparation*) A. R. Ruis, “The Epistemological Consequents of ‘Half-Shadowed, Spectral Evidences’: Pre-Tuberculosis, Latency, and the Contested Role of Nutrition, 1880–1930”.

## PRESENTATIONS & CONFERENCES

### INVITED PRESENTATIONS

“The Bellwether Problem: Publishing the First QE Studies in a New Field” (with A. Wooldridge & S. Jung), *ISQE Webinar Series*, May 2021.

“The Extinction of the Lunchbox? The Promise and Perils of School Meals,” Wisconsin Historical Society’s Culinary History Enthusiasts of Wisconsin (CHEW), Madison, Wisconsin, June 2019.

“Networked History: Developing Quantitative Models of Qualitative Phenomena,” *Viral Networks, Reconnected*, National Library of Medicine, Bethesda, Maryland, April 2019.

“Innovation and Adversity: The History of School Lunches in Wisconsin’s Rural Schools,” Wisconsin Historical Museum, Madison, Wisconsin, March 2019.

“The Extinction of the Lunchbox? The Promise and Perils of School Meals,” Oklahoma State University, Stillwater, February 2019.

“Eating to Learn, Learning to Eat, and the Contested Role of School Meals in the United States” Spoon University’s Lunch and Learn, University of Tulsa, Oklahoma, February 2019.

“The Extinction of the Lunchbox? The Promise and Perils of School Meals,” University of Oklahoma, Norman, February 2019.

“Lunch Money: A Short, Abridged, Very Brief History of School Meals in America,” *PechaKucha All-Star Event*, Monona Terrace, Madison, Wisconsin, November 2018.

“Trois Empreintes d’un Môme Cachet’: Toward a Historical Definition of Nutrition,” *Viral Networks: An Advanced Workshop in Digital Humanities and Medical History*, National Library of Medicine, Bethesda, Maryland, January 2018.

“Nourishing Immunity: Pretubercular Children, Risk, and Well Child Care in the Early 20<sup>th</sup> Century,” *Shifting Temporalities in Biomedicine*, Station Biologique de Roscoff, France, October 2013.

“Often Filled, Seldom Fed, Never Finished,” *Epicuriosity × PechaKucha*, Monona Terrace, Madison, Wisconsin, April 2013.

“‘Children with Half-Starved Bodies’ and the Development of Public Health Nutrition in the United States, 1890–1950,” University of Kansas Medical Center, Kansas City, April 2012.

“One of the Greatest Evils in the Social Fabric’: The Specter of Childhood Malnutrition in Interwar America,” *The Rank Prize Conference on the Origins of the Science of Infant and Child Nutrition*, Windermere, United Kingdom, October 2007.

🏆 *Winner of the Rank Prize for Best Paper by a Junior Researcher.*

### CONFERENCE & WORKSHOP PRESENTATIONS

“Epistemic Network Analysis: A Technique for Modeling Discourse Networks in Historical Source Material,” *Historical Networks – Réseaux Historiques – Historische Netzwerke*, Online, July 2021.

“How We Code,” *International Conference on Quantitative Ethnography*, Online, February 2021.



- “Multiple Uses for Procedural Simulators in Continuing Medical Education Contexts,” *International Conference on Quantitative Ethnography*, Madison, Wisconsin, October 2019.
- “Merging Close Reading with Computational Analysis of Text: The *nCoder* as a Tool for Digital Hermeneutics,” *Digital Hermeneutics: From Research to Dissemination*, German Historical Institute, Washington, D.C., October 2019.
- “Finding Common Ground: A Method for Measuring Recent Temporal Context in Analyses of Complex, Collaborative Thinking,” *International Conference on Computer-Supported Collaborative Learning*, Lyon, France, June 2019.
- “Can Discourse Analysis Predict Surgical Outcomes? Evaluating How We Talk in the Operating Room and What It Means,” Plenary Presentation, Joint Session of the *Annual Meeting of the Association of Program Directors in Surgery* and the *Annual Meeting of the Association for Surgical Education*, Chicago, Illinois, April 2019.
- “An Introduction to Epistemic Network Analysis as a Technique for Historical Research,” *Reconstructing Historical Networks Digitally: New Approaches, Opportunities and Epistemological Implications of Social Network Analysis*, German Historical Institute, Washington, D.C., October 2018.
- “‘Sins, Gross Exaggerations, and Misconceptions’: The Many Faces of Nutrition,” *Annual Meeting of the Agriculture, Food, and Human Values Society and the Association for the Study of Food and Society*, Madison, Wisconsin, June 2018.
- “Predicting the Extinction of the Lunchbox, or, When School Lunch Was Modern,” *Annual Meeting of the Agriculture, Food, and Human Values Society and the Association for the Study of Food and Society*, Madison, Wisconsin, June 2018.
- “The Hands and Head of a Surgeon: Modeling Operative Competency with Multimodal Epistemic Network Analysis,” Plenary Presentation, Joint Session of the *Annual Meeting of the Association of Program Directors in Surgery* and the *Annual Meeting of the Association for Surgical Education*, San Diego, California, April 2017.
- “‘Trois Empreintes d’un Môme Cachet’: Toward a Historical Definition of Nutrition,” *Annual Meeting of the American Association for the History of Medicine*, Minneapolis, Minnesota, May 2016.
- “Commentary and Reflections on the History of the Questionnaire in Social Science Research,” *Annual Meeting of the History of Science Society*, Chicago, Illinois, November 2014.
- “‘Le Feu qui Couve, qui Peut s’Étendre’: Pretuberculosis, Latency, and Medical Epistemology in the Early 20<sup>th</sup> Century,” *Annual Meeting of the American Association for the History of Medicine*, Chicago, Illinois, May 2014.
- “‘Children with Half-Starved Bodies’ and the Creation of Public Health Nutrition in the United States, 1890–1950,” *Annual Meeting of the American Association for the History of Medicine*, Baltimore, Maryland, April 2012.
- “School Lunches Go Public: Feeding Children at Public Expense in the United States, 1900–1946,” *Midwest Junto for the History of Science*, Linda Hall Library, Kansas City, Missouri, March 2009.
- “The Extinction of the Lunch Box? School Foodservice and Public Health Nutrition in the United States, 1900–1946,” *Tasting Histories: Food and Drink Cultures through the Ages*, Robert Mondavi Institute, University of California, Davis, February 2009.
- “‘Trying to Educate Children with Half-Starved Bodies’: School Foodservice and Malnutrition in the United States, 1918–1946,” *MEPHISTOS*, University of California, Los Angeles, April 2007.

#### CAMPUS PRESENTATIONS

- “Predicting the Extinction of the Lunchbox, or, When School Lunch Was Modern,” *Food Studies Research Forum*, University of Wisconsin, Madison, February 2018.

“Thinking beyond the Dissertation, or How to Prepare for a Career off the Tenure Track,” Department of History of Science, University of Wisconsin, Madison, March 2015.

“Food Assistance Programs in the United States: History, Policy, and Ethics,” *Interprofessional Health Leadership Summit*, School of Medicine and Public Health, University of Wisconsin, Madison, March 2014.

“Nutrition and the Health Department in the History and Historiography of American Public Health,” *One Woman’s Labor: Judith Leavitt’s Academic Contributions and Influence on the Profession*, University of Wisconsin, Madison, October 2010.

“In Defense of (School) Food: Public Health, Private Rights, and the Law, 1900–1946,” History of Science, Medicine, and Technology Colloquium, University of Wisconsin, Madison, March 2010.

“Eating to Learn, Learning to Eat: School Foodservice and Nutrition in Early 20<sup>th</sup>-Century America,” *It’s Good For You! 100 Years of the Art and Science of Eating*, University of Wisconsin, Madison, October 2009.

“The Role of History in Public Health Policy and Practice,” *Innovations in Population Health Teaching and Research*, Robert Wood Johnson Foundation Health & Society Symposium, University of Wisconsin, Madison, April 2009.

#### POSTER PRESENTATIONS

“Modeling Operative Thinking in a Simulation-Based Continuing Medical Education Course on Laparoscopic Hernia Repair,” *Annual ACS Surgical Simulation Meeting*, Chicago, Illinois, March 2017.

#### PANEL PARTICIPATION

“Medicalizing the History Survey Course: Tools and Methods for Lower-Division Courses,” *Annual Meeting of the American Association for the History of Medicine*, May 2021.

“Quantitative Ethnography in the Clinic,” *International Conference on Quantitative Ethnography*, February 2021.

“Further Fields: Introducing Quantitative Ethnographic Methods to New Academic Disciplines and Research Areas,” *International Conference on Quantitative Ethnography*, Madison, Wisconsin, October 2019.

“#FoodStudies Workshop: Social Media for Scholarship, Networking, and the Community,” *Annual Meeting of the Agriculture, Food, and Human Values Society and the Association for the Study of Food and Society*, Madison, Wisconsin, June 2018.

“A Second Helping: Researching at the Intersection of Medical History and Food Studies,” *Annual Meeting of the American Association for the History of Medicine*, Los Angeles, California, May 2018.

“Feedback Fury: Designing Interactive Feedback Loops to Help Students Achieve Learning Goals,” *University of Wisconsin Teaching and Learning Symposium*, Madison, May 2015.

#### CONFERENCE & WORKSHOP FACILITATION

Planning Team & Mentor, *QE-COVID Data Challenge*, International Society for Quantitative Ethnography, April 2021.

Co-Organizer (with J. Signorella), “Learning in Place: Interactive Land-Use Simulation for Middle and High School Students,” *Annual Meeting of the Massachusetts Environmental Education Society*, Online, March 2021.

Co-Organizer (with D. W. Shaffer), “Advanced ENA and Interpretations Workshop,” *QEurious Meetup*, International Society for Quantitative Ethnography, November 2020.

Planning Team & Mentor, *QE-COVID Data Challenge*, International Society for Quantitative Ethnography, April 2020.

- Co-Organizer (with M. Misfelt, D. Spikol, J. Bruun, M. Saqr, R. Kaliisa, B. Eagan, & K. Misiejuk), “Quantitative Ethnography as a Framework for Network Analysis—A Discussion of the Foundations for Network Approaches to Learning Analysis,” *Learning Analytics and Knowledge Conference*, Frankfurt, Germany, March 2020.
- Moderator, “Analysis of Data from Healthcare Contexts,” *International Conference on Quantitative Ethnography*, Madison, Wisconsin, October 2019.
- Co-Organizer (with J. Steere-Williams), “Career Trajectories for Historians of Medicine: A Workshop for Graduate Students and Early Career Scholars,” *Annual Meeting of the American Association for the History of Medicine*, Los Angeles, California, May 2018.
- Discussant, “A Place at the Table: Researching at the Intersection of Medical History and Food Studies,” *Annual Meeting of the American Association for the History of Medicine*, Nashville, Tennessee, May 2017.
- Co-Organizer (with J. Steere-Williams), “Writing and Publishing: A Workshop for Graduate Students and Early Career Scholars,” *Annual Meeting of the American Association for the History of Medicine*, Nashville, Tennessee, May 2017.
- Moderator, “Research on Hunger and Nutrition in the First Half of the Twentieth Century,” *Annual Meeting of the American Association for the History of Medicine*, New Haven, Connecticut, May 2015.
- Discussant, “Documenting and Defining Human Subjects: Historical Reflections on the Questionnaire,” *Annual Meeting of the History of Science Society*, Chicago, Illinois, November 2014.
- Moderator, Breakout Session on Food Assistance Programs, *Interprofessional Health Leadership Summit*, School of Medicine and Public Health, University of Wisconsin, Madison, March 2014.
- Moderator, “Diet and Medicine,” *Annual Meeting of the American Association for the History of Medicine*, Atlanta, Georgia, May 2013.
- Moderator, “Popular Medical Texts,” *The Culture of Print in Science, Technology, Engineering, and Medicine*, Center for the History of Print in Modern America, University of Wisconsin, Madison, September 2008.

## SERVICE

### PROFESSIONAL SERVICE

#### Executive Committees

- Annual Meetings Committee, American Association for the History of Medicine (2019–2023)
- Education and Outreach Committee, American Association for the History of Medicine (2013–2019; Chair 2016–2019)

#### Organizational Advisory Boards

- Ad Hoc Committee on Diversity and Inclusion, American Association for the History of Medicine (2018–2019)

#### Project Advisory Boards

- “AHRC US-UK Food Digital Scholarship Network+,” PI C. J. Reynolds, U.K. Arts and Humanities Research Council (2019–2020)
- “The Use of Epistemic Network Analysis to Evaluate Non-Technical Skills Performance in Trauma Simulation Education,” PI H.-S. Jung, U.S. National Board of Medical Examiners, Edward J. Stemmler, MD Medical Education Research Fund (2016–2018)

## Conference Committees

- Program Committee Chair Emeritus, *International Conference on Quantitative Ethnography*, Malibu, California, November 2021
- Program Committee Chair, *International Conference on Quantitative Ethnography*, Online, January 2021
- Steering Committee Member, *International Conference on Quantitative Ethnography*, Madison, Wisconsin, October 2019
- Program Committee Member, *Annual Meeting of the Agriculture, Food, and Human Values Society and the Association for the Study of Food and Society*, Madison, Wisconsin, June 2018
- Program Coordinator, *Annual Meeting of the American Association for the History of Medicine*, Philadelphia, Pennsylvania, May 2011

## Subject Matter Expert

- e-Delphi Study, Virtual Internships Project, University of Cambridge, 2020
- Carol Hand, *Epidemiology: The Fight against Ebola and Other Diseases* (Minneapolis: Essential Library, 2015)
- POM Wonderful, "A Fertile and Fascinating History," <https://www.pomwonderful.com/history>, 2013 & 2017

## Consultant

- Online Curriculum Development, National Research Mentoring Network, 2015

## EDITORIAL SERVICE

### Series Editor

- Re:Past—Studies in the History of Nutrition*, Johns Hopkins University Press (2020–)

### Editorial Boards

- H-Nutrition* (2016–)

### Grant Proposal Review

- Epilepsy Ireland
- National Science Foundation, Division of Computer and Network Systems
- National Science Foundation, Division of Research on Learning

### Manuscript Review

- Abdo Publishing
- Academic Press
- American Journal of Epidemiology*
- Children & Society*
- Ecology of Food and Nutrition*
- Food Studies: An Interdisciplinary Journal*
- Gastronomica: The Journal of Critical Food Studies*
- IEEE Transactions on Learning Technologies*
- International Conference of the Learning Sciences*
- International Conference on Computer-Supported Collaborative Learning*
- International Conference on Quantitative Ethnography*
- International Journal of Communication and Linguistic Studies*
- International Journal of Technology, Knowledge and Society*

*Journal of Critical Dietetics*  
*Journal of Educational Computing Research*  
*Journal of Learning Analytics*  
*Journal of the History of the Behavioral Sciences*  
*Learning and Individual Differences*  
*The New Educator*  
*Research in Science & Technological Education*  
*The Surgery Journal*

#### Abstract Review

*Annual Meeting of the Association for Computers and the Humanities*  
*Digital Humanities Conference*

#### INSTITUTIONAL SERVICE

##### Steering Committees

Food Studies Network, University of Wisconsin, Madison (2017–2019)  
Coordinated Leadership Initiative, University of Wisconsin, Madison (2015)

##### Advisory Committees

Director's Advisory Council, Wisconsin Center for Education Research (2016–2018)  
Health Care Advisory Committee, University of Wisconsin, Madison (2014–2017)

##### Search Committees

Senior Editor, Wisconsin Center for Education Research (2019)  
Research and Technical Writer, Wisconsin Equity and Inclusion Laboratory (WeiLAB), Wisconsin Center for Education Research (2013)

## TEACHING & ADVISING

#### COURSES TAUGHT

##### University of Wisconsin, Madison

Current Topics in Learning Sciences (co-taught with D. W. Shaffer, 2018)  
Health and Citizenship in Global Perspective (2014)  
Health Care and Society in American History (2012)

#### THESIS COMMITTEES

S. B. Lee, “Examining Interaction, Collaboration, and Creativity in Informal Online Learning Environments: Social and Epistemic Network Analyses of Longitudinal Data from the Scratch Community” (Doctoral Dissertation: Pepperdine University, 2020).

## CONTINUING EDUCATION

*Food Cultures*, Faculty Development Seminar, Center for the Humanities, University of Wisconsin, Madison, 2018.

*Viral Networks: An Advanced Workshop in Digital Humanities and Medical History*, National Library of Medicine, Bethesda, Maryland, January 2018.

*Surgical Education Research and Innovation Working Group*, University of Wisconsin, Madison, 2016–2017.

*Shifting Temporalities in Biomedicine*, International Summer School, Station Biologique de Roscoff, France, October 2013.

*Home Economics: Classroom, Corporate, and Cultural Interpretations Revisited*, State-of-the-Art Conference, University of Georgia, Athens, February 2012.

## MEDIA

### INTERVIEWS & MEDIA APPEARANCES

“Home Front’ Efforts Between WWII and COVID-19 Crises,” *Refrangible*, Center for Design and Material Culture, University of Wisconsin, Madison (7 April 2021).

“USDA Expands Pandemic School Meal Access through the Summer,” Wisconsin Public Radio (12 March 2021).

“The Way We Eat: Where We Went Wrong with School Lunches,” WORT Community Radio (20 February 2020).

Author Interview with Carrie Tippen, *New Books Network* (10 December 2019).

“The Weirdly Untraceable Origin Story of Ants on a Log,” MSN (11 September 2019).

“From Hot Meals to PB&Js: The Realities of School Lunch Debt,” *IA*, National Public Radio (23 July 2019).

“Networked History: Developing Quantitative Models of Qualitative Phenomena,” *Circulating Now* (2 April 2019).

“American School Lunch Is Becoming More Diverse, Like It Was in the 1910s,” *Atlas Obscura* (21 March 2019).

“Eating to Learn, Learning to Eat: The Origins of School Lunch in the United States,” *SHCY Featured Books* (13 March 2019).

“The 30-Year Reign of Lunchables,” *The Atlantic* (17 November 2018).

“Hunger Hits Home: Food Insecurity Psychologically Impacts Students,” *The Daily Cardinal* (16 November 2018).

“How Big Brands Like Tyson and PepsiCo Profit from School Lunches,” CNBC (14 November 2018).

“From Mason Jars to Lunch Trays in Wisconsin’s Rural Schools: How Nutrition Became a Part of Public Education,” *WisContext* (24 August 2018).

“The Origins of School Lunch,” *Thinking Aloud*, BYU Radio (6 December 2017).

“What Difference Does a Healthy School Lunch Make?” *The Atlantic* (12 September 2017).

Author Interview with Emily Contois, *emilycontois.com* (12 September 2017).

“Lunch Gets Schooled,” *Gastropod* (11 September 2017).

### BOOK BLURBS

D. Chansky & S. W. Tracy, eds., *Conversations with Food* (Wilmington: Vernon Press, 2020).