

# Rebecca L. Jackson

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## Current Position

2025–Current     **Postdoctoral Research Associate in Medical Humanities**  
Department of Philosophy, Institute of Medical Humanities, Durham University, United Kingdom  
**Project Title:** Measuring a Patient: Idiographic Indexes and Clinically Relevant Philosophy of Measurement

*Measurement Network Director (2025-2028) and member of the [Measurement Lab](#) and [Affective Experience Lab](#) in the Discovery Research Platform for Medical Humanities.*

## Research Areas

**Areas of Specialization:** Philosophy and History of Science (Scientific Methods, Measurement, Experiment)

**Areas of Competence:** Biomedical Ethics, Data Ethics and AI, Scientific Reasoning, Science and Values, Statistics

**Research Interests:** Measurement (clinical measurement methodology, instruments, models, and units), non-standard measuring practices, maternal-fetal health

## Education

2016–2023     **Indiana University** - Bloomington, Indiana, USA  
**PhD in History and Philosophy of Science and Medicine**  
Graduate Minor: Statistics  
Dissertation Title: [Measuring 'Well': Clinical Measuring Practices and Philosophy of Measurement](#)  
**Advisor: Jutta Schickore**  
Committee Members: Ann Sophie Barwich, Jordi Cat, Sander Gliboff, Brad Luen (Dept. of Statistics; Minor Advisor), and Leah McClimans (Dept. of Philosophy, University of South Carolina; Outside Reader)

2016–2021     **Indiana University** - Bloomington, Indiana, USA  
**MA in History and Philosophy of Science and Medicine**

2010–2015     **Ball State University** - Muncie, Indiana, USA  
**B.A. in Mathematical Sciences (Mathematics); English (Creative Writing)**  
Honors College Graduate  
Thesis Title: [This Is Not a Pipe: Essays on Man as the Measurer of All Things](#)

## Research Fellowships (6)

2025–2028     **Postdoctoral Research Associate in Medical Humanities** - Discovery Research Platform in Medical Humanities, Institute of Medical Humanities, Durham University, UK  
*36-month research fellowship hosted by Philosophy Department, Measurement Lab, and Affective Experience Lab*

2024–2025     **Bridging Fellow in Medical Humanities** - Discovery Research Platform in Medical Humanities, Institute of Medical Humanities, Durham University, UK  
*12-month residential fellowship (£39,347) with an additional £3,000 for research visit and £2,000 for conference travel.*

- 2023–2024 **Postdoctoral Fellowship** - Max Planck Institute for the History of Science, Berlin, Germany  
*12-month residential fellowship (€30,000) with an additional €1,200 health insurance reimbursement.*  
*Practices of Validation in the Biomedical Sciences Research Group directed by Lara Keuck.*
- 2022–2023 **Doan Dissertation Fellowship** - Beckman Center for the History of Chemistry at the Science History Institute, Philadelphia, PA, USA  
*Nine-month residential fellowship with \$27,500 stipend, with an additional \$2,500 reimbursement for health insurance costs.*
- 2021–2022 **John C. Slater Predoctoral Fellowship in the History of Science, Technology, and Medicine** - American Philosophical Society Library & Museum, Philadelphia, PA, USA  
*Twelve-month residential fellowship with \$25,000 stipend, offered to an advanced Ph.D. student working on topics related to the history of science, technology, and medicine.*
- 2016–2021 **President's Diversity Fellowship** - IU, Bloomington, IN, USA  
*Full stipend, tuition and health insurance during a five-year period, including two fellowship years and three years of academic appointments. Conferred by the University Graduate School to diverse students who have demonstrated superior academic achievement and commitment to a career in research and teaching higher education.*

### **Grants, Awards, and Honors**

- 2025 **Trevor Levere Best Paper Prize** – [Annals of Science](#), Taylor & Francis  
*\$1000 for “The Drop and the Metric System: How an Unruly Unit Survived Revolutions,” coauthored with Armel Cornu and Sarah Hijmans.*
- 2025 **Essay Prize in History and Philosophy of Science (Runner-up)** – International Union of History and Philosophy of Science and Technology ([IUHPST](#))  
*“History and Philosophy of Measurement: Past, Present, and Future Integrations,” coauthored with Michele Luchetti, awarded special presentation session for paper at 27th International Congress of History of Science and Technology in Dunedin, NZ.*
- 2024 **NSF Travel Grant** – Philosophy of Science Association, National Science Foundation  
*\$625 for travel to [Philosophy of Science Association](#) Biennial Meeting in New Orleans, LA, USA*
- 2023 **Maurice Dumas Prize** – International Committee for the History of Technology ([ICOHTEC](#))  
*€500 for “The Uncertain Method of Drops’: How a Non-Uniform Unit Survived the Century of Standardization,” awarded best history of technology article published in the past two years by student or early career scholar (PhD within past 7 years).*
- 2023 **Victor E. Thoren Graduate Student Research Fellowship** – IU Dept. of History and Philosophy of Science and Medicine (HPSC)  
*\$3000 awarded to an exceptional student near the conclusion of their graduate career.*
- 2022 **Graduate Student Essay Award Honorable Mention** – Forum for the History of Health, Medicine and Life Sciences ([FHHMLS](#)) and Cambridge University Press  
*Paper title: “Constructing Centimeters: Emanuel Friedman’s Cervimeter and the Dilatation-Time Curve”*
- 2022 **CAS Travel Grant** - IU College of Arts and Sciences  
*\$800 for Graduate Conference Presentation Travel*
- 2021 **Richard S. Westfall Fellowship** – IU Dept. of History and Philosophy of Science and Medicine (HPSC)  
*\$500 for Graduate Research Travel*
- 2021 **Nominated for Philanthropic Educational Organization (P.E.O.) International Scholar Award**  
Selected as the singular candidate for nomination in the College of Arts and Sciences (IU-Bloomington).  
Nominated by PEO Bloomington Chapter.  
*One of only 775 women PhD students in the US and Canada nominated for the 2022 Scholar Award (\$20k).*
- 2021 **Interdisciplinary Organized Session Prize** - International Society for the History, Philosophy, and Social Studies of Biology ([ISHPSSB](#))  
*\$500 for Diverse Format Session, “Your Genitals Don't Lie! An Escorted Encounter with the History and Philosophy of Phallic and Cervical Measuring”*  
Participants: Rebecca Jackson, Kärin Nickelsen, Jutta Schickore, Caterina Schürch, and Merlin Wassermann
- 2021 **NSF Travel Grant (#1656206)** – International Society for the History, Philosophy, and Social Studies of Biology (ISHPSSB), National Science Foundation

- \$100 for [ISHPSSB 2021 Online Conference](#) Registration*
- 2021 **Mikal Lynn Sousa Award for Excellence in Graduate Scholarship** – IU Dept. of History and Philosophy of Science and Medicine (HPSC)  
*\$1000 stipend presented for outstanding academic work in History and Philosophy of Science and Medicine or History.*
- 2020 **Norwood Russell Hanson Prize for Outstanding Graduate Student Paper** – IU Dept. of History and Philosophy of Science and Medicine (HPSC)  
*Prize recipient presented winning paper, “‘The Uncertain Method of Drops’: How a Non-uniform Fluid Unit Survived the Century of Standardization,” for Fall 2020 departmental colloquium series.*
- 2019 **CAS Travel Grant** - IU College of Arts and Sciences  
*\$350 for Graduate Conference Presentation Travel*
- 2019 **Richard S. Westfall Fellowship** – IU Dept. of History and Philosophy of Science and Medicine (HPSC)  
*\$1,000 for Graduate Research Travel*
- 2018 **Richard S. Westfall Fellowship** – IU Dept. of History and Philosophy of Science and Medicine (HPSC)  
*\$1,000 for Graduate Research Travel*
- 2018 **CAS Travel Grant** - IU College of Arts and Sciences  
*\$500 for Graduate Conference Presentation Travel*

### Languages and Skills

- **English** - Native speaker, **French** - Beginner (Two graduate courses in reading for research), **German** - Beginner (Independent study), **Spanish** - Beginner (Independent study), **Japanese** - Beginner (Four undergraduate courses)
- **R / RStudio** (Statistical Software) - Intermediate
- **AntConc** (Digital humanities tool) - Beginner

### Training and Experience in Ethical Data Collection

- 2022 **Oral History Training Institute** – Center for Oral History at the Science History Institute (Jan. 3-6, 14)  
*Completed introductory training covering legal and ethical issues, including the use of release agreements; project planning and budgeting; interview preparation; recording equipment and its uses; conducting interviews in-person and virtually; creating and editing transcripts; preserving and archiving analog and digital materials; using the Oral History Metadata Synchronizer; and deploying oral history materials in digital humanities projects.*
- 2017 **Research Assistant** – Massachusetts General Hospital (May-July 2017)  
*Conducted data collection for behavioral study, Clinical Effort Against Secondhand Smoke Exposure ([CEASE](#)), funded by the National Institutes of Health and developed at Massachusetts General Hospital to effectively address family tobacco use.*
- *Solicited study participation from parents/caregivers of children seen at Riley Physicians Pediatrics (Bloomington, IN)*
  - *Conducted structured interviews with more than 20 participants per day*
  - *Obtained informed consent, recorded participant responses, and notated discrepancies during data collection*
  - *Collected, recorded, and packaged biochemical data (saliva samples) while preserving participant anonymity*
- 2015-16 **Assistant Project Manager** – [Walker Information](#), Indianapolis, Indiana, USA  
*Assisted in management of customer experience survey design, quality checks, customer journey mapping, interview scheduling, data and statistical analyses, report writing, results presentation, and communications with international and domestic clients.*

# Research

[ORCID: 0000-0003-2199-1045](#)

[Google Scholar Profile](#)

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## **Refereed Publications (9)**

(9) Cornu, Armel, Sarah Hijmans, and Rebecca L. Jackson. 2026 [accepted pending minor revisions]. “The Drop and the Metric System: How an Unruly Unit Survived Revolutions.” *Annals of Science*. **Winner of 2025 Trevor Levere Best Paper Prize.**

This paper presents the peculiar story of the drop, a non-standard unit which outlived the standardizing forces of the late eighteenth and nineteenth centuries, as an instructive lens for exploring why older units survive. With the establishment of the metric system in France came a large-scale discussion on the merits of various units, the drop among them. Some partisans of the metric system argued that this unstandardizable unit should be abandoned in favour of decimal weight units. Despite this, the drop remains in use to this day in both lay and scientific contexts. By closely studying medical and chemical practice, we demonstrate that the drop was a rich tool for both communication and scientific quantification. We argue that the drop’s utility went beyond cases where achieving precision was superfluous. Drops were also used by practitioners in several ways which could not easily be replaced by the scales, in accomplishing tasks for which standard units were either impossible or even damaging to the task at hand. Its familiar and flexible nature made it useful in instructions to be carried out by lay people or factory workers, as well as in experimental procedures that required the practitioner’s attention to be directed at sensory indications.

(8) Gross, Mechthild M., and Rebecca L. Jackson. 2026 [in press]. “The History of the Early Labour Phase: Women’s Experiences Embedded in Methodological Considerations,” in *Early Labour and Maternity Care: Research for Practice*, edited by Vanora Hundley and Helen Cheyne. Routledge.

Our understanding of labour has not always been as it is today. This chapter outlines the history of conceptual and instrumental changes underlying the transition from speaking of “latent labour” to redefining this as the “early phase of labour”. We describe the evolution in thinking that took place alongside methods of labor management and measurement, including the five stages of labour. Efforts to quantify labour progress and risk are discussed, concerns which are still relevant today. What labour is, and the ways in which it is divided and tracked accordingly, has not been a static biological fact, but rather has been influenced by social circumstances and the types of tools and research questions employed over time.

(7) Jackson, Rebecca L. and Luchetti, Michele. 2026 [in press]. “History and Philosophy of Measurement: Past, Present, and Future Integrations,” for *The Blackwell Companion to the Integrated History and Philosophy of Science*, ed. Yafeng Shan. Wiley. Preprint: [https://iuhpst.org/media/pdf/History\\_and\\_Philosophy\\_of\\_Measurement\\_deanonimized.pdf](https://iuhpst.org/media/pdf/History_and_Philosophy_of_Measurement_deanonimized.pdf).

**Runner-up for 2025 IUHPST Essay Prize in History and Philosophy of Science.**

(6) Jackson, Rebecca L. 2025. “The Apgar Score and Race: Why Healthy Babies Are Supposed to be ‘Pink’?” *History and Philosophy of the Life Sciences* 47 (4):45. <https://doi.org/10.1007/s40656-025-00693-3>.

(5) Jackson, Rebecca L. 2025. “Constructing *Centimeters*: Emanuel Friedman's Cervimeter and the Dilatation-Time Curve.” *Bulletin of the History of Medicine* 99 (1): 51–93. doi: [10.1353/bhm.2025.a963726](https://doi.org/10.1353/bhm.2025.a963726).  
Open access: <https://europepmc.org/article/PMC/PMC7617911>.

(4) Jackson, Rebecca L. 2023. “How the Cervix Killed the Cervimeter: A Nonstandard Story of Successful Measurement.” *Measurement* 222: 113652. doi: [10.1016/j.measurement.2023.113652](https://doi.org/10.1016/j.measurement.2023.113652).

- (3) Cristalli, Claudia and Rebecca L. Jackson. 2023. "From Postal Scale to Psychological Apparatus: A History of Experimental Psychology Through the Reconstruction of Peirce and Jastrow's 'On Small Differences of Sensation' (1885)." *Nuncius* 38 (3): 553–582. doi: [10.1163/18253911-bja10066](https://doi.org/10.1163/18253911-bja10066).
- (2) Jackson, Rebecca L., and Merlin Wassermann. 2022. "When Standard Measurement Meets Messy Genitalia: Lessons from 20th Century Phallometry and Cervimetry." *Studies in History and Philosophy of Science* 95: 37-49. doi: [10.1016/j.shpsa.2022.06.014](https://doi.org/10.1016/j.shpsa.2022.06.014).
- (1) Jackson, Rebecca L. 2021. "'The Uncertain Method of Drops': How a Non-Uniform Unit Survived the Century of Standardization." *Perspectives on Science* 29 (6): 802–841. doi: [10.1162/posc\\_a\\_00395](https://doi.org/10.1162/posc_a_00395).

### **Other Publications and Peer-reviewed Abstracts (3)**

Jackson, Rebecca. 2023. "Clinimetrics' or 'Clinical Psychometrics'? Reexamining Disciplinary Boundaries and Methodological Commitments [abstract]." In: 30th Annual Conference of the International Society for Quality of Life Research; Oct. 18-24th, 2023, Calgary, Canada. *Quality of Life Research* 32 (Suppl 2), S26. <https://doi.org/10.1007/s11136-023-03530-x>.

Jackson, Rebecca. 2022. "Where Does 'Validity' End and 'Fit for Purpose' Begin? Towards a Typology for Implementation Validity [abstract]." In: 29th Annual Conference of the International Society for Quality of Life Research; Oct. 19-22nd, 2022, Prague, Czech Republic. *Quality of Life Research* 31 (Suppl 2), S17. <https://doi.org/10.1007/s11136-022-03257-1>.

Jackson, Rebecca L. 2022. "'Homogametically Yours,' Virginia Apgar's Signature and the Labor of Women in Science." *American Philosophical Society*. <https://www.amphilsoc.org/blog/homogametically-yours-virginia-apgars-signature-and-labor-women-science>.

### **Presentations**

#### **Invited Talks (18)**

##### **2025 (6 Invited Talks)**

- "The Experience of Being Measured: The Apgar Score, Construct Realizations, and the Scale of Clinical Judgments"  
*Presented at Cambridge Philosophy of Science (CamPoS), Nov. 19th 2025, at Cambridge University, UK.*
- "History and Philosophy of Measurement: Past, Present, and Future Integrations"  
*Presented with Michele Luchetti at Philosophy of Science Reading Group at the Institute for Philosophical Research at the National Autonomous University of Mexico (UNAM) (Online), Aug. 22nd, 2025.*
- "The Cervimeter, Centimeters, and the Friedman Curve: A Historical Case of Imprecision Medicine"  
*Presented at University of Dundee, School of Health Sciences, May 8<sup>th</sup>, 2025, Scotland, UK.*
- "The Apgar Score and the Scale of Clinical Judgments"  
*Presented at On Scale and Measurement in the Sciences (ScAM Workshop), Mar. 28th, 2025, University of Oslo Department of Philosophy, Classics, History of Art and Ideas, Oslo, Norway.*
- "Construct Realizations and the Scale of Clinical Judgments"  
*Presented at The Ethics of Mortality Measurement (ETHME) Group Meeting, Institute of Health and Society, University of Oslo, Mar. 26th, 2025, Oslo, Norway.*
- "The Apgar Score and the Scale of Clinical Judgments"  
*Presented at Centre for the Humanities Engaging Science and Society (CHESS), Durham University Department of Philosophy, Mar. 6th, 2025, Durham, UK.*

##### **2024 (4 Invited Talks)**

- "Peirce and Jastrow's Pressure Balance and Their 1884 Experiment: Lessons for HPS"  
*Presented at Scientific Instruments in History of Psychology (Workshop) with Claudia Cristalli, Oct. 18th, 2024, Tilburg University Department of Philosophy, Tilburg, Netherlands.*

“‘Clinimetrics’ or ‘Clinical Psychometrics’?: Reexamining Disciplinary Boundaries & Measuring Methodologies”

*Presented at Region Uppsala Close Care and Health - [Research and Development Uppsala X-Talks](#), April 29th, 2024, Uppsala, Sweden.*

“Where Does ‘Validity’ End and ‘Fit for Purpose’ Begin?: Towards Implementation Validity”

*Presented at Uppsala University Dept. of Women's and Children's Health (Physiotherapy and Behavioral Medicine), April 22nd, 2024, Uppsala, Sweden.*

“‘The Uncertain Method of Drops’: How a Non-uniform Fluid Unit Survived the Century of Standardization”

*Presented for [Italian Society for the History of Science](#) (Online), April 2nd, 2024.*

#### 2023 (4 Invited Talks)

“How the Cervix Killed the Cervimeter: A Nonstandard Story of Successful Measurement”

*Presented at “[Publications Slam](#)” event hosted by Max Planck Institute for the History of Science (Berlin), Nov. 30th, 2023, Berlin, Germany.*

“‘The Uncertain Method of Drops’: How a Non-uniform Fluid Unit Survived the Century of Standardization”

*Presented for Technical University Berlin (Technische Universität Berlin) Department of History of Science, Nov. 20<sup>th</sup>, 2023, Berlin, Germany.*

“‘The Uncertain Method of Drops’: How a Non-uniform Fluid Unit Survived the Century of Standardization”

*Presented for Maurice Daumas Prize Session at [International Committee for the History of Technology \(ICOHTEC\) General Assembly](#) (Online), Nov. 16<sup>th</sup>, 2023.*

“Feeling *Centimeters* of Dilation: Why You’ve Never Heard of a Cervimeter”

*Presented at [Lunchtime Lecture Series](#) (Online) hosted by the Science History Institute, Mar. 3rd, 2023.*

2022 “Feeling *Centimeters*: The History of Cervical Measurement and Why You’ve Never Heard of a Cervimeter”

*Presented for [Science on Tap Philadelphia](#) (Online), March 14th, 2022.*

2021 “Constructing *Centimeters*: Emanuel Friedman’s Cervimeter and the Dilatation-Time Curve”

*Presented for the [Practices and Social Relations of Obstetrical Objects Working Group](#) (Online), June 10th, 2021.*

#### 2019 (2 Invited Talks)

“On the Virtues of Inconsistent Metrics: Why Evaluations of Reliability (Not Just Validity) Need a Gold Standard”

*Presented at [Continuity, Improvement, & Innovation in Experimental Methodology](#) (Workshop), Oct. 30<sup>th</sup>, 2019, IU Bloomington, IN, USA.*

“‘The Uncertain Method of Drops’: How a Non-uniform Fluid Unit Survived the Century of Standardization”

*Presented at [Unification and Measurement: Philosophical Perspectives on Evidence and Theory Construction](#) (Workshop), Apr. 17th, 2019, University of Montreal, Montreal, Quebec, Canada.*

### Competitive Papers Presented at Conferences (16)

#### 2025 (2 Conference Presentations)

“History and Philosophy of Measurement: Past, Present, and Future Integrations”

*Presented online at 27th International Congress of History of Science and Technology ([ICHST Conference](#)) with Michele Luchetti, June 30th, 2025, Dunedin, New Zealand.*

“Heretical Iterations: Pragmatism’s Challenge for Measurement Dogmas”

*Presented at [Measurement and Pragmatism: New Directions](#) (Workshop) with Morgan Thompson and Aja Watkins, Mar. 16th, 2025, Center for Philosophy of Science, University of Pittsburgh, PA, USA.*

#### 2024 (4 Conference Presentations)

“Integrating History and Philosophy of Measurement: Reflections on Its Past, Present and Future”

*Presented for Committee for Integrated HPS at [Philosophy of Science Association](#) (Conference) with Michele Luchetti, Nov. 14th, 2024, New Orleans, LA, USA.*

- Symposium: Integrated HPS in practice
- “Patient-Centered Measurement: Perspectives from Philosophy and Health-related Quality of Life”  
*Presented at [International Society for Quality of Life Research \(ISOQoL Conference\)](#), in Symposium with Jan R. Boehnke, Alessandra Basso, Sebastian Rodriguez Duque, Melanie Hawkins, Leah McClimans, Richard Sawatzky, and Kevin Weinfurt, Oct. 15th, 2024, Cologne, Germany.*
- “When the Self Doesn't Want Help: Implications of Ego-syntonic Diagnoses for Concepts of Normalcy and Patient-centered Care”  
*Presented by coauthor Mikael Andersén at [International Society for Quality of Life Research \(ISOQoL Conference\)](#), Oct. 15th, 2024, Cologne, Germany.*
- “Integrating History and Philosophy of Measurement: Reflections on Its Past, Present and Future”  
*Presented at [Society for the Study of Measurement \(Conference\)](#) with Michele Luchetti, Aug. 7th, 2024, UC Berkeley, CA, USA.*
- 2023 “‘Clinimetrics’ or ‘Clinical Psychometrics’?: Reexamining Disciplinary Boundaries and Methodological Commitments”  
*Presented at [International Society for Quality of Life Research \(ISOQoL Conference\)](#), Oct. 21st, 2023, Calgary, Canada.*
- 2022 (2 Conference Presentations)
- “Where Does Validity End and ‘Fit for Purpose’ Begin? Towards a Typology for Implementation Validity”  
*Presented at [International Society for Quality of Life Research \(ISOQoL Conference\)](#), Oct. 22nd, 2022, Prague, Czech Republic.*
- “The Cervix, the Cervimeter, and *Centimeters*: A Historical Case of (Im)Precision in Clinical Practice”  
*Presented at [Measurement at the Crossroads 2020-2022: Measuring and Modeling \(Conference\)](#), June 29–July 1st, 2022, Università Cattolica del Sacro Cuore, Milan, Italy.*
- 2021 (3 Conference Presentations)
- “Constructing *Centimeters*: Emanuel Friedman’s Cervimeter and the Dilatation-Time Curve”  
*Presented for Committee for Integrated HPS at [Philosophy of Science Association](#), Nov. 11th, 2021, Baltimore, MD, USA.*
- Symposium: “Case Studies: Putting the H back in HPS”
- “Your Genitals Don't Lie! An Escorted Encounter with the History and Philosophy of Phallic and Cervical Measuring”  
*Diverse Format Session at [International Society for the History, Philosophy, and Social Studies of Biology \(Online\)](#), July 19th, 2021.*
- Participants: Rebecca Jackson, Kärin Nickelsen, Jutta Schickore, Caterina Schürch, and Merlin Wassermann
- “Emanuel Friedman’s Cervimeter: The Birth of ‘Normal’ Labor and the Dilatation-Time Function”  
*Presented at Boston University Philosophy Graduate Student Conference (Online), Apr. 23rd, 2021.*
- 2019 (2 Conference Presentations)
- “Sending Knowns into the Unknown: Towards an Account of Positive Controls in Experimentation”  
*Presented at [CLMPST 2019 – 16th International Congress of Logic, Methodology and Philosophy of Science and Technology \(Conference\)](#), Aug. 6th, 2019, Prague, Czech Republic.*
- “Sending Knowns into the Unknown: Towards an Account of Positive Controls in Experimentation”  
*Presented at [Canadian Society for the History and Philosophy of Science \(Conference\)](#), June 2nd, 2019, UBC, Vancouver, British Columbia, Canada.*
- 2018 “‘The Uncertain Method of Drops’: How a Non-uniform Fluid Unit Survived the Century of Standardization”  
*Presented at [Measurement at the Crossroads: History, Philosophy and Sociology of Measurement \(Conference\)](#), June 27–29th 2018, Paris Diderot University (Paris 7), Paris, France.*

2017 “Measuring Devices on Their Own Terms: The Akan Goldweights of West Africa and the Role of Non-epistemic Values in Metrology”

*Presented at [MidweSTS Graduate Student Workshop](#), Sep. 29th–Oct. 1st 2017, IU Bloomington, IN, USA.*

### **Commentaries**

2020 Commentary on “If a Tree Grows No Ring and No One is Around: How Scientists Deal with Missing Tree Rings,”  
PhD Qualifying Paper by Dan Li

*Presented for IU HPSC Department, Nov. 19th, 2020, Bloomington IN, USA*

2019 (3 Commentaries)

Commentary on “The Reconfiguration of Nineteenth-Century Dermatology,” PhD Qualifying Paper by Elana Rakoff

*Presented for IU HPSC Department, Nov. 14th, 2019, Bloomington IN, USA*

Commentary on “Richard Whately on Logic and Scientific Method,” PhD Qualifying Paper by Jared Neumann

*Presented for IU HPSC Department, Dec. 5th, 2019, Bloomington IN, USA*

Commentary on “New Reproductive Technology: Medical Discourse, Belief and Faithful Reasoning; ‘Islamic’  
Response from Muslims of Kerala,” by Ilyas Manakkadavan

*Presented at [STIU Graduate Student Conference on the History and Philosophy of Science and Medicine](#),  
Mar. 29th, 2019, Bloomington IN, USA*

# Teaching

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## Instructor of Record

- Spring 2019     **HPSC-X200 - Scientific Reasoning:** Measurement, Meaning, and Manipulation: How Humans and Data Shape Each Other
- Designed course and syllabus
  - Conducted all lectures and discussions
  - Graded all student work

## Lab Instructor for Human Biology (HUBI)

- Spring 2020     **HUBI-B200/S200 - The Intricate Human:** Sense Perception: Biology and Culture
- Fall 2019        **HUBI-B200/S200 - The Intricate Human:** Responding to the Challenge of Epidemics

## Discussion Section Instructor

- Fall 2018        **COLL-C105 - Critical Approaches in Natural and Mathematical Sciences:** From Discovery to Practice – Putting Science into Action
- Fall 2017        **COLL-C104 - Critical Approaches in Science and Humanities:** Genetics and Eugenics: The Science and Social Applications of Heredity, from Mendel to Molecular Medicine

## Grader

- Spring 2018     **HUBI-B400 - Complex Problems of Humanity:** Run for Your Life: Physical Exercise and Cancer
- Spring 2018     **HPSC-X200 - Scientific Reasoning:** Scientific Methods: Elements, Aims, Limits and Misuses
- Fall 2017        **HPSC-X200 - Scientific Reasoning:** The Problem of Cancer

## Invited Course Lectures/Demonstrations

- 2023 “Feeling Centimeters of Dilation: Why You’ve Never Heard of a Cervimeter”  
*Presented for Undergraduate Course, Technology and Society (STSC/HSOC 0600-401), University of Pennsylvania, Dept. of History and Sociology of Science, Apr. 20th, 2023, Philadelphia, PA, USA.*
- 2022 “‘The Uncertain Method of Drops’: How a Non-uniform Fluid Unit Survived the Century of Standardization”  
*Presented for Graduate Course, [Opening Philosophy of Medicine to the Future by Integrating Historical Epistemology and STS](#) (Online), University of Oslo, Dept. of Philosophy, Classics, History of Art and Ideas, Mar. 28th, 2022.*
- 2022 “Constructing *Centimeters*: Emanuel Friedman’s Cervimeter and the Dilatation-Time Curve”  
*Presented for Graduate Seminar in Metaphysics and Epistemology (PHI 650), University of Kentucky, Dept. of Philosophy, Mar. 1st, 2022, Lexington, KY, USA.*
- 2022 “Fingers, Centimeters, and Pocket-watches: A Hands-on Group Experiment on Cervical Dilation Measuring Units”  
*Demonstration for Graduate Seminar in Metaphysics and Epistemology (PHI 650), University of Kentucky, Dept. of Philosophy, Mar. 1st, 2022, Lexington, KY, USA.*
- 2022 “Fingers, Centimeters, and Pocket-watches: A Hands-on Group Experiment on Cervical Dilation Measuring Units”  
*Presentation and demonstration for Undergraduate Course, Health Care Ethics (PHI 305), University of Kentucky, Dept. of Philosophy, Mar. 1st, 2022, Lexington, KY, USA.*

# Service

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## Departmental Service

- 2025-Current    **Measurement Network Director**, Discovery Research Platform for Medical Humanities
- 2024-2025    **Peer Mentor** in Discovery Research Platform for Medical Humanities Mentoring Scheme
- 2024-2025    **Lab Representative** in Communications Working Group, Durham University Discovery Research Platform for Medical Humanities
- 2019-2021    **Student Faculty Representative** for IU Dept. of History and Philosophy of Science and Medicine
- 2017-2018    **Chair of Graduate Student Association** in IU Dept. of History and Philosophy of Science and Medicine

## Service to the Profession

- 2025-Current    **Mentor** in Philosophy of Science Association's Underrepresented Philosophy of Science Scholars ([UPSS](#)) Mentoring Initiative
- 2025-Current    **Member** of [Philosophy of Science Association](#) 2026 Biennial Meeting Poster Committee
- 2025-Current    **Member** of [IUHPST Joint Commission](#) (International Union of History and Philosophy of Science and Technology), which unites the Division of History of Science and Technology (DHST) and the Division of Logic, Methodology and Philosophy of Science and Technology (DLMPST)
- 2025    **Reviewer** for *European Journal for Philosophy of Science*
- 2025    **Reviewer** for *History and Philosophy of the Life Sciences*
- 2025    **Co-Organizer** of Measurement in Medicine Seminar Series (Jan.-May.) hosted by Measurement Lab (Durham)
- 2025    **Organizer** of [Measurement Heretics Reading Group](#) (Jan.-May.) hosted by Measurement Lab (Durham)
- 2024, 2025    **Reviewer** for *Studies in History and Philosophy of Science*
- 2024    **Organizer** of [Medical Statistics Writing Group](#) hosted through Max Planck Institute for the History of Science
- 2024    **Moderator** for Seminar, "[In Search of Biomedical Validity](#): Towards a Cross-Disciplinary History of Validation Practices" Seminar, Max Planck Institute for the History of Science, Feb. 20th 2024, Berlin, Germany
- 2022    **Founding Member** of [Society for the Study of Measurement](#)
- 2022    **Moderator** for [Control Practices in Historical and Systematic Perspectives](#) Conference, IU Bloomington, Mar. 3rd 2022, Bloomington, IN, USA  
*Moderated presentation "Controlling Away the Phenomenon: Maze Research and the Nature of Learning," by Evan Arnet*

- 2022, 2021      **Reviewer** for *Synthese*
- 2020-2021      **Workshop Organizer** for Ethical, Epistemological, and Historical Perspectives on Public Health and Wellness
- Designed website pages (<https://iuhpsworkshop.blogspot.com/>) and conference [flyer](#)
  - Coordinated speaker selection, payment logistics, and [workshop schedule](#)
  - Co-facilitated reading group for graduate students in preparation
  - Introduced speaker and moderated Q&A discussion
- 2019              **Conference Committee Member** for IUHPSC Women's Leadership Conference, Bloomington, IN, USA
- Coordinated housing
  - Reviewed conference proposals
- 2018-2019;  
2017-2018      **Conference Committee Member** for 2018 and 2019 STIU Graduate Student Conferences on the History and Philosophy of Science and Medicine, Bloomington, IN, USA (2018, 2019)
- Coordinated housing
  - Reviewed conference proposals
  - Moderated panel

## **Community Outreach and Involvement**

- 2025              **Completed Facilitation Skills Train-the-Trainers Course** at [Recovery College Collective](#) (ReCoCo) in Newcastle, UK.
- 2023              **Public lecturer** for [Lunchtime Lecture Series](#) hosted by the Science History Institute (Philadelphia).
- 2022              **Public lecturer** for [Science on Tap Philadelphia](#) series hosted by six Philadelphia institutions.
- 2019, 2016      **Mathematics Tutor** for students with learning disabilities and acute learning difficulties.
- 2018, 2017      **Volunteer for IU Science Fest**, providing educational and hands-on science activities for K-12 students.