

KLODIAN COKO
Curriculum Vitae

The Cohn Institute for the History and Philosophy of Science and Ideas
Humanities Faculty, Tel Aviv University
Phone: 058-739-0817
E-mail: klodian.coko.hps@gmail.com

Education

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|------------------|---|
| 2010-2015 | Indiana University
PhD in History and Philosophy of Science (minor in Philosophy). Dissertation title:
<i>The Structure and Epistemic Import of Multiple Determination in Scientific Practice.</i> |
| 2008-2010 | Indiana University
MA in History and Philosophy of Science |
| 2004-2007 | National and Kapodistrian University of Athens and National Technical University of Athens
MA in History and Philosophy of Science and Technology |
| 2000-2004 | National and Kapodistrian University of Athens
BA (with honors) in Methodology, History, and Theory of Science |

Academic Positions

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| 2024-2026 | Tel Aviv University
Postdoctoral Researcher at the <i>Cohn Institute for the History and Philosophy of Science and Ideas</i> |
| 2021-2024 | Ben-Gurion University of the Negev
Postdoctoral Researcher at the <i>Department of Philosophy</i> |
| 2019-2021 | Ben-Gurion University of the Negev
Postdoctoral Fellow at the <i>Jacques Loeb Centre for the History and Philosophy of Life Sciences</i> |
| 2017-2019 | University of Western Ontario
Postdoctoral Associate at the <i>Rotman Institute of Philosophy</i> |
| 2016-2017 | Hebrew University of Jerusalem
Postdoctoral Fellow at <i>The Edelstein Center for the History and Philosophy of Science, Technology and Medicine</i> |
| Fall 2014 | Max Planck Institute for the History of Science
Predoctoral Fellow |

Areas of Specialization

History and Philosophy of Scientific Methods; History and Philosophy of Experimental Practices;
History of Atomism

Areas of Competence

Integrated History and Philosophy of Science; History of Philosophy of Science; General Philosophy
of Science; History of Science

Languages

Albanian (native); Greek (native-like); English (fluent); Italian (fluent); French (reading); Spanish
(reading); German (reading)

Awards and Distinctions

2015	Norwood R. Hanson Prize for Outstanding Graduate Student Paper Department of History and Philosophy of Science, Indiana University
2014	Victor E. Thoren Graduate Student Research Fellowship Department of History and Philosophy of Science, Indiana University
2014	Richard S. Westfall Fellowship for Graduate Student Research Travel Department of History and Philosophy of Science, Indiana University
2014	Dissertation Writing Fellowship College of Arts and Sciences, Indiana University
2012	Richard S. Westfall Fellowship for Graduate Student Research Travel Department of History and Philosophy of Science, Indiana University
2010-13	Departmental Fellowship for Graduate Studies Department of History and Philosophy of Science, Indiana University
2010-11	Post Graduate Student Fellowship Foundation for Education and European Culture (IPEP)
2009-10	Post Graduate Student Fellowship Foundation for Education and European Culture (IPEP)
2008-09	Post Graduate Student Fellowship Foundation for Education and European Culture (IPEP)
2003-04	Performance Award National and Kapodistrian University of Athens
2002-03	Performance Award National and Kapodistrian University of Athens
2001-02	Performance Award National and Kapodistrian University of Athens

Grants

2023 Israel Science Foundation

Research Grant for the project *Anti-theory in Ethics and Philosophy of Science*. NIS 70000. With Uri Leibowitz.

2018 Social Sciences and Humanities Research Council of Canada

Research Grant for the Project *Understanding Replication Across the Sciences*. C\$ 24554. With Michael L. Anderson.

2018 University of Western Ontario

Matching funds for the Project *Understanding Replication Across the Sciences*. C\$ 13750. With Michael L. Anderson.

List of Publications

Edited Book

1. *Philosophical Theorizing and Its Limits: Anti-Theory in Ethics and Philosophy of Science*. With Uri D. Leibowitz and Yanni Nevo. Springer. 2025. [Link to the Book](#).

Stanford Encyclopedia of Philosophy Article

2. "Atomism from the 17th to the 20th Century". With Alan Chalmers. 2026. [Link to the Article](#).

Peer-Reviewed Articles and Book Chapters

3. "Hypothesis and Consilience in the Nineteenth Century." Forthcoming in *History and Philosophy of Modern Science: 1750-1900*, edited by Elise Crull and Erik Peterson, Bloomsbury Press. [Link to the Preprint Version](#).
4. "Philosophical Theorizing and Its Limits: Anti-Theory in Ethics and Philosophy of Science. Introduction." With Uri D. Leibowitz and Yanni Nevo. In *Philosophical Theorizing and Its Limits: Anti-Theory in Ethics and Philosophy of Science*, edited by Uri D. Leibowitz, Klodian Coko, and Yanni Nevo. Springer. 2025. [Link to the Chapter](#).
5. "Against Theory and Method in Ethics and Philosophy of Science." In *Philosophical Theorizing and Its Limits: Anti-Theory in Ethics and Philosophy of Science*, edited by Uri D. Leibowitz, Klodian Coko, and Yanni Nevo. Springer 2025. [Link to the Chapter](#).
6. "Controlling the Unobservable: Experimental Strategies and Hypotheses in Discovering the Cause of Brownian Movement." In *Elusive Phenomena, Unwieldy Things: Historical Perspectives on Experimental Control*, edited by Jutta Schickore and William R. Newman. Springer. 2024. [Link to the Open Access Chapter](#).
7. "The Multiple Dimensions of Multiple Determination." *Perspectives on Science* 28 (4): 505-541. 2020. [Link to the Article](#).
8. "Jean Perrin and the Philosophers' Stories: The Role of Multiple Determination in Determining Avogadro's Number." *HOPOS: The Journal of the International Society for the History of Philosophy of Science* 10:143-193. 2020. [Link to the Article](#).
9. "Towards a Mutually Beneficial Integration of History and Philosophy of Science: The Case of Jean Perrin." In *The Past, The Present, The Future of iHPS*, edited by Emily Herring et al., 186-209. London: Routledge. 2019. [Link to the chapter](#).
10. "Epistemology of a Believing Historian: Making Sense of Duhem's Anti-atomism." *Studies in History and Philosophy of Science A* 50:71-82. 2015. [Link to the Article](#).
11. "Using Multiple Means of Determination" (with Jutta Schickore). *International Studies in the*

Philosophy of Science 27 (3): 295-313. 2013. [Link to the Article](#).

Book Review

12. "Robustness, Solidity, and Multiple Determinations." With Jutta Schickore. *Metascience* 22, no. 3: 681-83. Review of *Characterizing the Robustness of Science after the Practice Turn in the Philosophy of Science*, edited by Léna Soler et al., *Boston Studies in the History and Philosophy of Science* 292 (2012). Dordrecht: Springer. 2013. [Link to the Book Review](#).

Work in Progress

Book Chapter

"The Multiple Invention of the Telephone." Forthcoming in a volume on *Multiple Inventions*, edited by Shaul Katzir and Johannes-Geert Hagmann, Oxford University Press, 2027.

Research Articles

1. "On the Fragility of 'Robustness' Notions." Research article on the historical and conceptual relations among the different variants of robustness. Advanced Draft.
2. Research Article on the history of the 'variety of evidence' types of epistemic strategies. In Progress.

Book

Monograph on *The Structure and Epistemic Import of Multiple Determination*. In provisional contract with the University of Pittsburgh Press. In Progress.

Research Projects

1. *History and Philosophy of Multiple Inventions*. In Progress.
2. *Understanding Replication Across the Sciences*. In Progress.

Presentations

Peer-Reviewed

1. "Multiplex Telegraphy and the (Multiple) Invention of the Telephone." *Annual Conference of the Israeli Society for the History and Philosophy of Science*. The Ben-Gurion University of the Negev, Israel, October 2025.
2. "Against Theory and Method in Ethics and Philosophy of Science." *The Israel Philosophical Association Annual Conference*. University of Haifa. Haifa, Israel, July 2024.
3. "Against Theory and Method in Ethics and Philosophy of Science." *Annual Conference of the Israeli Society for the History and Philosophy of Science*. The Van Leer Jerusalem Institute, Jerusalem, Israel, July 2024.
4. "Hypothesis and Consilience in the Nineteenth Century." *The Israel Philosophical Association Annual Conference*. Ben-Gurion University of the Negev, Beer Sheva, Israel, June 2023.
5. "Hypothesis and Consilience in the Nineteenth Century," *The Israel Philosophical Association Annual Conference*, Ben-Gurion University of the Negev, Beer Sheva, Israel, June 2023.

6. "Hypothesis and Consilience in the Nineteenth Century," *Hypothesis in Science, International Conference, Nicolaus Copernicus University in Toruń*, Torun, Poland, October 2022.
7. "Inductive and Deductive Reasoning in Discovering the Cause of Brownian Movement," *HOPOS2022, 14th International Conference in History of Philosophy of Science, University of California, Irvine*, Irvine, USA, June 2022.
8. "Inductive and Deductive Reasoning in Discovering the Cause of Brownian Movement," *Annual Conference of the Israeli Society for the History and Philosophy of Science, The Van Leer Jerusalem Institute*, Jerusalem, Israel, June 2021.
9. "Varieties of Robustness and Multiple Determination," *The Israel Philosophical Association Annual Conference, Tel Aviv University*, Tel Aviv, Israel, February 2020.
10. "Varieties of Robustness and Triangulation," *EPSA19, 7th Biennial Conference of the European Philosophy of Science Association, University of Geneva*, Geneva, Switzerland, September 2019.
11. "Robustness, Invariance, and Multiple Determination," *CLMPST2019, 16th International Congress on Logic, Methodology and Philosophy of Science and Technology*, Prague, Czech Republic, August 2019.
12. "Inductive and Deductive Reasoning in Discovering the Cause of Brownian Movement," *CSHPS2019, Canadian Society for the History and Philosophy of Science Annual Conference, University of British Columbia*, Vancouver, Canada, June 2019.
13. "Robustness, Invariance, and Multiple Determination," *PSA2018, 26th Biennial Meeting of the Philosophy of Science Association*, Seattle, USA, November 2018.
14. "The Method of Hypothesis in the 19th Century: Whewell, Mill, Herschel and Peirce on the Criterion of Consilience," *HOPOS2018, 12th International Conference in History of Philosophy of Science*, Groningen, Netherlands, July 2018.
15. "The Method of Hypothesis in the 19th Century: Whewell, Mill, Herschel and Peirce on the Criterion of Consilience," *CSHPS2018, Canadian Society for the History and Philosophy of Science Annual Conference, University of Regina*, Regina, Canada, May 2018.
16. "The Structure and Epistemic Implications of Multiple Determination in Empirical Science," *EPSA17, 6th Biennial Conference of the European Philosophy of Science Association, University of Exeter*, Exeter, UK, September 2017.
17. "The Multiple Dimensions of Multiple Determination," *The Israeli Philosophical Association Annual Conference, Ben-Gurion University of the Negev*, Beer Sheva, Israel, February 2017.
18. "Towards a Mutually Beneficial Integration of H and P of S: The Case of Jean Perrin," *The Past, Present and Future of Integrated HPS: An International Postgraduate Forum, Centre for History and Philosophy of Science, University of Leeds*, Leeds, UK, January 2017.
19. "The Multiple Dimensions of Multiple Determination," *3rd Lisbon International Conference on Philosophy of Science: Contemporary Issues*, Lisbon, Portugal, December 2016.
20. "The Structure and Epistemic Import of Experimental Multiple Determination: The Case of Jean Perrin," *HOPOS2016, 11th International Conference in History of Philosophy of Science*, Minneapolis, MN, USA June 2016.

21. "The Structure and Epistemic Import of Empirical Multiple Determination," *University of Évora's 6th Symposium in Philosophy of Science and Technology*, Évora, Portugal, November 2015.
22. "Jean Perrin and the Philosophers' Stories: A Case-Study on the role of Case-Studies in Integrated History and Philosophy of Science," *&HPS5, 5th International Conference on Integrated History and Philosophy of Science*, University of Vienna, Vienna, Austria, June 2014.
23. "Epistemology of a Believing Historian: Making Sense of Duhem's Anti-atomism," *HOPOS2012, 9th International Conference in History of Philosophy of Science*, Halifax, Canada, June 2012.
24. "Epistemology of a Believer: Making Sense of Duhem's Anti-atomism," *&HPS4, 4th International Conference on Integrated History and Philosophy of Science*, University of Athens, Athens, Greece, March 2012.

Invited

25. "The Multiple Invention of the Telephone." International Workshop: *Multiple Inventions in the History of Technology*. Deutsches Museum, Munich, July 23-25, 2025.
26. "Against Method and Theory in Philosophy of Science and Ethics," *International Workshop: Anti-theory in Philosophy of Science and Ethics*, Ben-Gurion University of the Negev, Beer Sheva, Israel, July 2023.
27. "Inductive and Deductive Reasoning in Discovering the Cause of Brownian Movement," *International Conference: Rigor: Control, Analysis, and Synthesis in Historical and Systematic Perspectives*, Indiana University, Bloomington, USA, March 2022.
28. "Triangulation vs. Replication: Towards a More Nuanced Evaluation of Scientific Findings," *International Conference: The Problem of Irreproducibility in Experimental Science: Is there a 'Crisis'?* Ben-Gurion University of the Negev, Beer Sheva, Israel, March 2022.
29. "Varieties of Robustness and Multiple Determination," *Université de Montréal*, Montréal, Canada, April 2019.
30. "The Structure and Epistemic Import of Multiple Determination in Scientific Practice," *University of Haifa*, Haifa, Israel, May 2017.
31. "On the Multiple Determination of Experimental Results," *Edelstein Colloquium, The Edelstein Center for the History and Philosophy of Science Technology and Medicine, The Hebrew University of Jerusalem*, Jerusalem, Israel, May 2017.
32. "The Historical and Philosophical Roots of Multiple Determination," *University of Haifa*, Haifa, Israel, April 2017.
33. "The Multiple Dimensions of Multiple Determination," *The Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University*, Tel Aviv, Israel, March 2017.
34. "Epistemology of a Believing Historian: Making Sense of Duhem's Anti-Atomism," *Hanson Lecture, Indiana University*, Bloomington, USA, September 2015.
35. "The Role of Experimental Multiple Determination in the Work of Jean Perrin," *Friedrich*

Steinle's Colloquium in the History of Science, Technische Universität Berlin, Berlin, Germany, October 2014.

36. "The Role of Experimental Triangulation in Determining Avogadro's Number," *Max Planck Institute for the History of Science*, Berlin, Germany, October 2014.

Teaching

Ben Gurion University of the Negev

Associate Instructor

Co-designed and co-taught the course (with Professor Ute Deichmann)

- *Contemporary Issues in the Philosophy of Biology*
Spring 2021/Spring 2022
- *History, Philosophy, and Ethics of Science*
Spring 2021/Spring 2022/Spring 2023
- *Introductory Topics in History and Philosophy of Science*
Spring 2020

Indiana University

Instructor

Ran the course; designed the syllabus; selected the readings and the method of examination; maintained regular contact with students; graded assignments and exams.

- *Plato to NATO*
Fall 2011/Spring 2012/Summer 2013
- *The War between Religion and Science? Perspectives on a Historical Antithesis*
Fall 2012/Spring 2013

Associate Instructor

Assisted in teaching the course in coordination with the primary instructor; planned and taught weekly discussion-section classes, met with students, and graded assignments and exams.

- *The Scientific Revolution* (with Domenico Bertoloni Meli)
Fall 2010
- *Evolution, Religion & Society* (with Elisabeth A. Lloyd)
Fall 2009

Courses I Am Prepared to Teach Immediately

Introduction to Philosophy of Science (historical or thematic approach), *Introduction to Philosophy, History and Philosophy of Scientific Methods*, *History and Philosophy of Experiment*, *Understanding Replication Across the Sciences*, *Critical Thinking*, *Revolutions in Science*, *The Scientific Revolution*, *The Darwinian Revolution*, *Science and Religion* (historical approach), *Evolution*, *Creationism*, and *Religion*.

Professional Services and Activities

Referee Services

Perspectives on Science; *HOPOS: The Journal of the International Society for the History of the*

Philosophy of Science; European Journal for the Philosophy of Science; Studies in History and Philosophy of Science, Part A; The British Journal for the Philosophy of Science; Brill Books.

Conference Organization

- Organizer of the International Conference “*Understanding Replication Across the Sciences*,” *Rotman Institute of Philosophy, University of Western Ontario*, October 2018.
- Organizer of the International Workshop “The Problem of Irreproducibility in Experimental Science: Is there a ‘Crisis’?” at the *Jacques Loeb Centre for the History and Philosophy of Life Sciences, Ben-Gurion University of the Negev*, March 2022.
- Co-organizer of the International Conference “Anti-theory in Philosophy of Science and Ethics,” *Ben-Gurion University of the Negev*, 4–6 July 2023, Beer Sheva, Israel.

Reading Group Organization

- Organizer of a reading group on “Contemporary Issues in Philosophy of Science,” *Edelstein Center, The Hebrew University of Jerusalem*, October 2016-May 2017.
- Organizer of the reading group “Understanding Replication Across the Sciences,” *Rotman Institute of Philosophy, University of Western Ontario*, January-May 2018.

Administrative Service

- Member, *Rotman Institute of Philosophy Steering Committee*, 2018-19.
- Organizing Member of *POND (Philosophy of Science Around the Mediterranean)*

Academic Associations

Philosophy of Science Association, European Philosophy of Science Association, International Society for the History of Philosophy of Science, Canadian Society for the History and Philosophy of Science, POND-Philosophy of Science Around the Mediterranean

References

Research

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Christopher Smeenk

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Uri D. Leibowitz

Ben-Gurion University of the Negev, Department of Philosophy
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Teaching

Elisabeth A. Lloyd

Indiana University, Department of History and Philosophy of Science and Medicine
1165 East Third Street, Morrison Hall 309, Bloomington, IN 47405, USA
Phone: (812) 855-3195
E-mail: éalloyd@indiana.edu

Domenico Bertoloni Meli

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