

## KLODIAN COKO

The Cohn Institute for the History and Philosophy of Science and Ideas  
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### Education

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- 2010-2015**     **Indiana University**  
Ph.D. in History and Philosophy of Science (minor in Philosophy). Title of Dissertation: *The Structure and Epistemic Import of Multiple Determination in Scientific Practice.*
- 2008-2010**     **Indiana University**  
M.A. in History and Philosophy of Science
- 2004-2007**     **National and Kapodistrian University of Athens and National Technical University of Athens**  
M.A. in History and Philosophy of Science and Technology
- 2000-2004**     **National and Kapodistrian University of Athens**  
B.A. (with honors) in Methodology, History, and Theory of Science

### Academic Positions

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

## Areas of Specialization

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

## Areas of Competence

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

## Languages

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

## Awards and Distinctions

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

## Grants

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### **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

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### **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 17<sup>th</sup> to the 20<sup>th</sup> 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**

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### **Book Chapter**

“The Multiple Invention of the Telephone.” To appear on a volume on *Multiple Inventions*, edited by Shaul Katzir and Johannes-Geert Hagmann. Oxford University Press. 2026.

### **Research Article**

“Variants of Robustness and Multiple Determination”. Advanced Draft.

### **Book**

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

### **Research Projects**

*History and Philosophy of Multiple Inventions*. In Progress.

*Understanding Replication Across the Sciences*. In Progress.

## **Presentations**

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### **Peer-Reviewed**

1. “Multiple 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, 14<sup>th</sup> 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, 7<sup>th</sup> Biennial Conference of the European Philosophy of Science Association, University of Geneva, Geneva, Switzerland, September 2019.*
11. "Robustness, Invariance, and Multiple Determination," *CLMPST2019, 16<sup>th</sup> 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, 26<sup>th</sup> 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, 12<sup>th</sup> 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, 6<sup>th</sup> 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," *3<sup>rd</sup> 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, 11<sup>th</sup> 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 6<sup>th</sup> 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, 5<sup>th</sup> 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, 9<sup>th</sup> 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, 4<sup>th</sup> 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 Steidle'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

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### **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; kept 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 teaching the course in coordination with the primary instructor; planned and taught weekly discussion-section classes, met with students, 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

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### **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’?*” *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*, July 4-6, 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 of *The 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

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### Research

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#### Jordi Cat

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#### Amit Hagar

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**Orly Shenker**

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The Hebrew University of Jerusalem, Edmund J. Safra Campus, Jerusalem 91904, Israel  
Phone: 972 2 6585652  
[orly.shenker@mail.huji.ac.il](mailto:orly.shenker@mail.huji.ac.il)

**Christopher Smeenk**

Director, Rotman Institute of Philosophy, University of Western Ontario  
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**Uri D. Leibowitz**

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**Teaching****Elisabeth A. Lloyd**

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1165 East Third Street, Morrison Hall 309, Bloomington, IN 47405, USA  
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**Domenico Bertoloni Meli**

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February 2026