

## **Daryn Rosario Lehoux**

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Department of Philosophy  
Queen's University  
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### **CURRENT POSITION:**

Department Head, Classics; Professor of Classics, Professor of Philosophy (50/50 joint appointment) Queen's University

### **EDUCATION:**

Ph.D. History and Philosophy of Science and Technology, University of Toronto (2000)  
M.A. History and Philosophy of Science and Technology, University of Toronto (1996)  
B.A. Hons. Philosophy, Greek Minor, University of Waterloo (1991)

### **EMPLOYMENT HISTORY:**

2021-2026: Department Head, Queen's University Classics  
2016-2020: Graduate Coordinator, Queen's University Classics  
2008 to present: Queen's University. Full Professor (tenured) and Queen's National Scholar, 50/50 joint appointment to Department of Classics and Department of Philosophy

- Joint appointment with Philosophy from 2017
- Promoted from Associate Professor of Classics (tenured), 2010

2005-08: University of Manchester. Senior Lecturer, Classics and Ancient History

- Promoted from Lecturer, 2006

2000-2006: University of King's College. Associate Professor (tenured), History of Science and Technology

- Promoted from Assistant Professor, 2005

1997-98: University of Toronto. Instructor, Institute for the History and Philosophy of Science and Technology

### ***Visiting appointments***

2007-2008: Max-Planck-Institut für Wissenschaftsgeschichte, Berlin. Visiting Fellow  
2004-2005: Institute for Advanced Study, Princeton. Member

**PUBLICATIONS:*****Books***

1. *Ancient Science* (Chicago: University of Chicago Press, forthcoming)
2. *Creatures Born of Mud and Slime: The Wonder and Complexity of Spontaneous Generation* (Baltimore: Johns Hopkins University Press, 2017)  
 REVIEWS: (1) *HOPOS (History of Philosophy of Science)* 8.2 (2) *Choice* July 2018 (Editor's Pick) (3) *Nuncius* 34.1 (4) *Rorotoko* 12.11.17 (interview) (5) *Galilaeana* 16
3. *What Did the Romans Know? An Inquiry into Science and Worldmaking* (Chicago: University of Chicago Press, 2012). Paperback: 2014  
 REVIEWS: (1) *Phronesis* 60.1 (2) *Times Higher Education* 3 May 2012 (3) *Times Literary Supplement* 12 Oct. 2012 (4) *Science* 18 Jan. 2013 (5) *Bryn Mawr Classical Review* 2012.07.47 (6) *Nature* 482 (Books in Brief) (7) *Choice* Aug. 2012 (8) *British Journal for the History of Science* 45.3 (9) *History Today* Aug. 2012 (10) *Expositions* 6.2 (three-paper roundtable) (11) *Frankfurter Allgemeine Zeitschrift* 22 Mar. 13 (12) *Isis* 104.1 (13) *American Journal of Philology* 134.2 (14) *Mnemosyne* 67.1 (15) *Annals of Science* 71.2 (16) *Technai* 4 (article-length discussion) (17) *New Books Network* (hour-long interview) (18) *Shells and Pebbles* 2 Nov. 2014 (19) *Centaurus* 55.1 (20) *Teaching History* 50.1
4. Editor, *Lucretius: Poetry, Philosophy, Science*, with A. D. Morrison and Alison Sharrock (Oxford: Oxford University Press, 2013)  
 REVIEWS: (1) *Phronesis* 60.1 (2) *Phoenix* 68.1 (3) *Bryn Mawr Classical Review* 2013.10.38 (4) *Choice* Mar. 2014 (5) *Classical Review* 64.2 (6) *Revue philosophique de Louvain* 112.4 (7) *Klio* 97.2 (8) *Journal of Roman Studies* 104
5. Subject Editor: Ancient Science, *Encyclopedia of Ancient History* (13 vols.), R. Bagnall *et al.*, general eds. (New York: Wiley, 2012)  
 REVIEWS: (1) Dartmouth Medal (honorable mention) (2) *Booklist* 22 Mar. 2013 (3) *Choice* Oct. 2013 (4) *Bryn Mawr Classical Review* 2013.09.61 (5) *Reference Reviews* 28.1 (6) *Library Journal* 138.7
6. *Astronomy, Weather, and Calendars in the Ancient World: Parapegmata and Related Texts in Classical and Near-Eastern Societies* (Cambridge: Cambridge University Press, 2007). Paperback, 2011  
 REVIEWS: (1) *Classical Review* 58.2 (2) *Bryn Mawr Classical Review* 2008.12.28 (3) *Nuncius* 23.1 (4) *Journal of Hellenic Studies* 129 (5) *Gnomon* 82.1 (6) *British Journal for the History of Science* 43.2 (7) *Journal for the History of Astronomy* 41.1 (8) *Isis* 100.4 (9) *Scripta Classica Israelica* 27 (10) *Aestimatio* 5 (11) *Journal of Astronomical History and Heritage* 12.1 (12) *Metascience* 19.1 (13) *Arctos* 46

***Refereed articles and chapters***

1. Astrology at Alexandria: Cultural Worlds and the Space-Time Moment. In M. J. Versluys, ed. *Alexandria the Cosmopolis* (Centre d'études alexandrines, in press)
2. Knowledge of Nature. In R. Fletcher and W. Shearin, eds., *The Oxford Handbook of Roman Philosophy* (Oxford, forthcoming)
3. Astronomy and Time. In J. Steele, ed. *Oxford Handbook of Ancient Astronomy* (Oxford, forthcoming)
4. Astrology. In T. Whitmarsh, ed., *Oxford Classical Dictionary Online* (2020)
5. Saved by the Phenomena: Law and Nature in Cicero and the (Pseudo?) Platonic *Epinomis*. *Studies in History and Philosophy of Science* 81 (2020) 55-61
6. Cosmology and Meteorology. In P. Mitsis, ed., *Oxford Handbook of Epicureanism*, (Oxford, 2020) 81-93
7. Image, Text, and Pattern: Reconstructing Parapegmata. In A. Jones and C. Carman, eds., *Instruments – Observations – Theories: Studies in the History of Astronomy in Honor of James Evans* (New York, New York University Archive Online, 2020) 109-131
8. On Certain Uncertainties in Ancient Astrology. In M. Epple, A. Imhausen, and F. Müller, eds., *Weak Knowledge: Forms, Functions, and Dynamics* (Frankfurt, 2019) 85-108
9. The Miletus Parapegma and the Kesikintos Astronomical Inscription: New Evidence from Reflectance Transformation Imaging. *Zeitschrift für Papyrologie und Epigraphik* 212 (2019) 137-46 [with George Bevan and Alexander Jones]
10. Brian and the Air Pump. In M. Fend et al., eds., *Surprise: 107 Variations on the Unexpected* (Berlin, 2019) 233-236
11. Why Does Aristotle Think Bees Are Divine? Proportion, Triplicity, and Order in the Natural World. *British Journal for the History of Science* (2019) 383-403
12. Climatic Agency in the Classical Age. In A. Johns-Putra, ed., *Cambridge Critical Concepts: Climate* (Cambridge, 2019) 60-75
13. All Things Are Full of Gods. In P. Harrison and J. Roberts, eds., *Science Without God* (Oxford, 2019) 19-36
14. Let Us Make the Effort: Science into Latin in Antiquity. *Isis* 109 (2018) 308-12
15. Clever Machines and the Gods Who Make Them. In C. J. Crisostomo et al., eds., *The Scaffolding of Our Thoughts: Essays on Assyriology and the History of Science in Honor of Francesca Rochberg* (Leiden, 2018) 421-445
16. Observation Claims and Epistemic Confidence in Aristotle's Biology. *Isis* 108 (2017) 241-58
17. A Roman Worldview Clarified: Reflectance Transformation Imaging of the 'Pillbox' Sundial in Vienna. In N. Bouloux, A. Dan, and G. Tolia, eds., *Orbis Disciplinae* (Turnhout, BE, 2017) 235-253 [collaboration with Richard Talbert (lead author) and George Bevan]
18. The Authority of Galen's Witnesses. In J. König and G. Woolf, eds., *Authority and Expertise in Ancient Culture* (Cambridge, 2016) 260-282
19. Days, Months, Years. In A. Jones, ed., *Time and Cosmos in Greco-Roman Antiquity* (Princeton, 2016) 95-121
20. The Predictive Sciences: Measuring and Forecasting Weather Conditions. In G. Williams, ed. *Oxford Handbooks Online in Classical Studies* (Oxford, 2015)
21. Enclitic Accents, Further Simplified. *Classical World* 108 (2015) 431-2
22. Greco-Roman Astrometeorology. In C. Ruggles, ed., *Handbook of Archaeoastronomy and Ethnoastronomy* (Springer, 2014) 1625-1628

**Refereed articles and chapters, cont'd.**

23. Why Doesn't My Baby Look Like Me? In V. Wohl, ed., *Probabilities, Hypotheticals, and Counterfactuals in Ancient Greek Thought* (Cambridge, 2014) 208-229
24. Reflectance Transformation Imaging of a Byzantine Portable Sundial. *Zeitschrift für Papyrologie und Epigraphik* 187 (2013) 221-229 [with George Bevan and Richard Talbert]
25. Seeing and Unseeing, Seen and Unseen. In D. Lehoux, A. D. Morrison, and A. Sharrock, eds., *Lucretius: Poetry, Philosophy, Science* (Oxford, 2013) 131-152
26. Ancient Science in a Digital Age. *Isis* 104 (2013) 111-118
27. A Revolution of its Own. *Science* 338 (16 Nov. 2012) 885-6 [essay review, with Jay Foster]
28. Myth and Explanation in Manilius. In K. Volk and S. Green, eds., *Forgotten Stars: Rediscovering Manilius' Astronomica* (Oxford, 2011) 45-56
29. Natural Knowledge in Classical Antiquity. In P. Harrison, R. Numbers, and M. Shank, eds., *Wrestling with Nature: From Omens to Science* (Chicago, 2011) 37-58
30. Creation Myths and Epistemic Boundaries. *Spontaneous Generations* 3.1 (2009) 28-34
31. A Mighty Wind? *Clinical Toxicology* 46 (2008) 1098-1099 [with Jay Foster]
32. Observers, Objects, and the Embedded Eye; Or, Seeing and Knowing in Ptolemy and Galen. *Isis* 98 (2007) 447-467 [Winner of 2008 Derek Price Prize for best article]
33. Drugs and the Delphic Oracle. *Classical World* 101 (2007) 29-44
34. The Ethylene-Intoxication Hypothesis and the Delphic Oracle. *Clinical Toxicology* 45 (2007) 85-89 [with Jay Foster]
35. Laws of Nature and Natural Laws. *Studies in History and Philosophy of Science* 37 (2006) 527-49
36. Rethinking Parapegmata: The Puteoli Fragment. *Zeitschrift für Papyrologie und Epigraphik* 157 (2006) 95-104
37. Tomorrow's News Today: Astrology, Fate, and the Ways Out. *Representations* 95 (2006) 105-122
38. Logic, Physics, and Prediction in Hellenistic Philosophy:  $x$  Happens, but  $y$ ? In B. Löwe, V. Peckhaus, and T. Räsch, eds., *Foundations of the Formal Sciences IV: History of the Concept of the Formal Sciences (Studies in Logic 3)* (London, 2006) 125-142
39. The Miletus Parapegma Fragments. *Zeitschrift für Papyrologie und Epigraphik* 152 (2005) 125-40
40. Observation and Prediction in Ancient Astrology. *Studies in History and Philosophy of Science* 35 (2004) 227-246
41. Impersonal and Intransitive ἐπισημαίνεαι. *Classical Philology* 99 (2004) 78-85
42. Weather, Why and When (essay review of Liba Taub's *Ancient Meteorology*). *Studies in History and Philosophy of Science* 35 (2004) 835-843
43. Tropes, Facts, and Empiricism. *Perspectives on Science* 11 (2003) 326-345
44. The Historicity Question in Mesopotamian Divination. In J. M. Steele and A. Imhausen, eds., *Under One Sky: Astronomy and Mathematics in the Ancient Near East. Alter Orient und Altes Testament* 297 (Münster, 2002) 209-222
45. Astronomy and Cosmology: Pre-Eighteenth Century. In B. S. Baigrie, ed., *History of Modern Science and Mathematics* (New York, 2002) vol. II, 1-24
46. All Voids Large and Small, Being a Discussion of Place and Void in Strato of Lampsacus's Matter Theory. *Apeiron: Journal for Ancient Philosophy and Science* 32 (1999) 1-36

**Translations and reprints**

47. Portuguese translation of [14] by A. O. Prudente de Oliveira: Vamos fazer o esforço: ciência em latim na Antiguidade. In *Tradução em revista* 26 (2019) 51-58
48. Reprint of [32] in M. Mazzotti, ed., *The History of Science* (Routledge, 2020)

**RESEARCH PRESENTATIONS:*****Keynote addresses and endowed lectures***

- Epistemic Corruption. Inaugural lecture, *Institut für Wissensgeschichte des Altertums*, Freie Universität, Berlin (forthcoming, 2022)
- The Antikythera Mechanism. William A. McDonald Lecture, *Archaeological Institute of America National Lecture Program*, Washington DC (2019)
- The Shifting Ground of Spontaneous Generation. Inaugural lecture, *Philosophy, Science, and the Sciences*, Institut für Philosophie, Humboldt Universität zu Berlin (2015)
- *Charles Singleton Distinguished Lecturer*, Johns Hopkins University (2014). Three lectures:
  - Aristotle on Life
  - Medieval Mutations
  - Super-Eggs and Vegetative Forces
- Why Doesn't My Baby Look Like Me? *Ancient Aitia*, New York University (2011)

***Recent Invited lectures, conference papers, etc.***

- Modelling the Heavens in Greco-Roman Egypt, University of Patras (2022)
- History and the Two-Way Problem of Epistemic Corruption, *Netherlands Graduate Research School of Science, Technology, and Modern Culture Summer School* (2021)
- Species and Variation in Lucretius, *Darwin before Darwin*, Università degli Studi di Bari (2021)
- Lucretian Substrates, *The Elusive Substrate*, KU Leuven (2021)
- Questions in Greek and Roman Anatomy, *Queen's University Master of Anatomy Program* (2021)
- Greco-Roman Egypt and the History of Ancient Astronomy and Astrology. *Canadian Institute for Mediterranean Studies | Archaeological Institute of America*, Ottawa (2020)
- Astrology at Alexandria: Crossing Cultures, Crossing Worlds. *Alexandria the Cosmopolis*, Centre d'études alexandrines, Alexandria, Egypt (2019)
- Book Panel: *Ptolemy's Philosophy* by J. Feke. *Canadian Philosophical Assoc.*, Vancouver (2019)
- The Antikythera Mechanism: Its Discovery and Interpretation. *Archaeological Institute of America National Lecture Program*, University of Alberta (2019)
- — *Biblical Archaeology Forum*, Washington, DC (2019)
- — *Laird Lecture*, University of Winnipeg (2019)
- Why Are Bees Divine for Aristotle? Tel Aviv University (2018)
- — University of Haifa (2018)
- — *International Congress of History of Science and Technology*, Rio de Janeiro (2017)
- On Utopia. Memorial University of Newfoundland (2018)
- Standardization and Universal Constants. Memorial University of Newfoundland (2018)
- On Certain Uncertainties in Ancient Astrology. *Weak Knowledge: Forms, Functions, Dynamics*, Goethe-Universität, Frankfurt am Main (2017)
- — *Fourth International Workshop on Epistemology and Astronomy*, Universidade Federal do Estado do Rio de Janeiro (2017)
- Spontaneous Generation and the Inevitability Question. University of Toronto (2017)
- The Antikythera Mechanism. *Archaeological Institute of America*, Ottawa (2017)
- Knowledge and Foreknowledge in Ancient Astrology. *Canadian Society for History and Philosophy of Science*, Ryerson University (2017)
- Weeks, Months, and Years in Greek and Roman Calendars. New York University (2016)
- Life from Inert Matter? Columbia University (2016)
- Heavenly Causes of Knowledge in Manilius. Oxford University (2016)
- Albertus and Aristotle on Spontaneous Generation. Queen's University (2016)

***Recent invited lectures, conference papers, etc. (con't)***

- Plutarch's Animal Stories. *Evidence, Testimony, and Visualization*, Cambridge University (2015)
- Spontaneous Generation after Aristotle. University of Manchester (2015)
- Aristotle on Bees: Observation and Scientific Method. Bielefeld University (2015)
- Generating Natures in Aristotle. *History of Science Society*, San Francisco (2015)
- Galen's Prognoses and their Audiences. Memorial University of Newfoundland (2015)
- Posidonius' Wonderful Machine. Memorial University of Newfoundland (2015)
- Questions and Problems in Spontaneous Generation. University of Western Ontario (2015)
- — Bryn Mawr and Haverford Colleges (2014)
- — Cornell University (2014)
- Historical Ontology. *STS Summer School*, SSHRC Situating Science Cluster (2014)
- Clever Machines and the Gods Who Make Them. York University (2014)
- Reflectance Transformation Imaging and Scientific Artefacts. *Scientific Instrument Symposium*, Tartu, Estonia [with George Bevan] (2014)
- What Is Up to Us? Memorial University of Newfoundland (2014)
- On The Dream of Scipio. Memorial University of Newfoundland (2014)
- The World in a Box: Modeling the Cosmos in Antiquity. Columbia University (2013)
- Workshop Conclusion and Future Prospects for the Antikythera Mechanism. *The Antikythera Mechanism*, Lorentz Center, Leiden (2013)
- *Sphaerae* in Roman Philosophy. *The Antikythera Mechanism*, Lorentz Center, Leiden (2013)
- Natural and Supernatural in Ancient Science. *Science without God*, Tallahassee, FL (2013)

***Previous invited talks and conference papers:*** UNC Chapel Hill; Manipal U (India); Freie U Berlin; U of Manchester; UW Madison; Memorial U of Newfoundland; Johns Hopkins; McGill; U van Amsterdam; U of Toronto; U of Southern California; Brock U; Budapest U of Technology and Economics; Caltech; Max-Planck Institut für Wissenschaftsgeschichte; St Andrews; Columbia; U di Bologna; Cambridge; Oxford; U Charles-de-Gaulle - Lille 3; York U; U of York; École Normale Supérieure; U of Bristol; U of Glasgow; Imperial College; Princeton; U of Pennsylvania; Minneapolis; Dalhousie U; King's College, Halifax; U of Waterloo; Rheinische Friedrich-Wilhelms-Universität; U of Guelph; Simon Fraser; Oaxaca; British Museum; U de Laval; U du Québec à Montréal; McMaster U; U of Ottawa

**SERVICE TO THE PROFESSION:**

- Editorial board, *Phoenix* (since 2021)
- Editorial board, *British Journal for the History of Science* (since 2015)
- Editorial board, *Texts and Studies on Time, Astronomy, and Calendars*, Brill (since 2011)
- Editorial board, *Philosophia naturalis* (since 2006)
- Editorial advisory board, *Encyclopedia of Ancient History*, Wiley (since 2017)
- Editorial board, *Aestimatio: Critical Reviews in the History of Science* (2003-2021)
- Advisory board, *Canadian Society for the History and Philosophy of Science* (2014-17)
- Nominating committee, *Canadian Society for the History and Philosophy of Science* (2012-14)
- Editorial board, *Isis* (2010-12)
- SSHRC Doctoral Awards Committee (2008-10)
- Co-organizer, *Lucretius: Poetry, Philosophy, Science* conference, University of Manchester (2009)
- Organizer, *Ontario-Québec Symposium on the History and Sociopolitics of Science and Technology*, University of Toronto (1999)

**GRANTS, PRIZES, AND DISTINCTIONS:**

- Insight grant, *Epistemic Corruption* [with S. Sismondo], Social Sciences and Humanities Research Council of Canada (2022-2027) \$267,000
- Insight grant, *Nature, Knowledge, and Culture*, Social Sciences and Humanities Research Council of Canada (2015-2023) \$53,500
- Frank Knox Award for Excellence in Teaching, Queen's University (hon. men. 2017)
- 2014 Charles Singleton Distinguished Lecturer, Johns Hopkins University
- Research grant (co-applicant), Fondo para la investigación científica y tecnológica, Agencia Nacional de Promoción Científica y Tecnológica, Argentina (2011-2013) ARS\$96,000
- Research grant, *What Did the Romans Know?* Social Sciences and Humanities Research Council of Canada (2009-2012) \$59,000
- Travel grant, Shastri Indo-Canadian Institute (2011)
- Research-Time Stipend, Social Sciences and Humanities Research Council of Canada (2009)
- Derek Price / Rod Webster Prize (Best Article, History of Science Society, 2008)
- Visiting Fellowship, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin (2007-08)
- Research grant, *Prediction in Ancient Science*, Social Sciences and Humanities Research Council of Canada (2005-2008) \$51,300
- Membership, Institute for Advanced Study, Princeton (2004-05)
- Research grant, Loeb Classical Library Foundation, Harvard University (2004-05) \$21,800
- Andrew G. Mellon Fellowship, Institute for Advanced Study, Princeton (shortlist 2004-05)
- Visiting fellowship, Clare Hall, Cambridge (2004-05, declined)
- Research grant, Social Sciences and Humanities Research Council of Canada (2001-2004) \$27,000
- Postdoctoral fellowship, Massachusetts Institute of Technology (2000-2002, declined)
- Postdoctoral fellowship, University of Cambridge (Social Sciences and Humanities Research Council of Canada, 2000-2002, declined)
- Postdoctoral fellowship, University of Toronto (2000-2001, declined)
- Doctoral fellowship, Social Sciences and Humanities Research Council (1996-2000) \$72,000