

## Curriculum Vitae

Adam Richter

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### **Education**

*University of Toronto, Toronto, ON*

PhD in History and Philosophy of Science and Technology

Graduated June 2018

Thesis:

- “The Mathematical Minister: John Wallis (1616-1703) at the Intersection of Science, Mathematics, and Religion,” an examination of John Wallis’s role in the intellectual world of seventeenth-century England, with particular attention to his importance in the history of science and religion, supervised by Yiftach Fehige

Courses and Examinations:

- course on Teaching in Higher Education
- fundamentals courses on the history of physics, astronomy, biology, and medicine
- history seminars including the Scientific Revolution; Renaissance Humanism; Early Modern Ecologies; Body, Medicine, and Society in Early Modern Europe; and Conceptual and Theoretical Foundations of Historiography
- two philosophy seminars: Religion and Science on Human Sexuality, and Miracles
- Latin and German grammar courses

*Dalhousie University, Halifax, NS*

MA in History

Graduated October 2011

Thesis:

- “Priority and Nationalism: The Royal Society’s International Priority Disputes, 1660-1700,” supervised by Stephen Snobelen

Areas of study:

- the relationship between Copernican astronomy and the Bible in early modern Europe
- research paper on the diary of Robert Hooke
- Latin grammar course

*Glendon College (York University), Toronto, ON*

Specialized Hons. BA in History

Graduated First Class June 2010

Areas of study:

- history of modern science
- history of early modern Europe
- historiography
- written and oral French language training

## Publications

### *Edited volume*

Co-editor of “John Wallis at 400: Science, Mathematics, and Religion in Seventeenth-Century England,” special issue of *Notes and Records: The Royal Society Journal of the History of Science* (December 2018), with Stephen D. Snobelen

### *Peer-reviewed articles*

“On Food and Fossils: Natural Philosophy, Mathematics, and Biblical History in the Works of John Wallis,” *The Seventeenth Century* 35 (2020): 77-104

“‘Nature Doth Not Work by Election:’ John Wallis, Robert Grosseteste, and the Mathematical Laws of Nature,” *Journal of Early Modern Studies* 7 (2018): 47-72

“John Wallis and the Catholics: Confessional and Theological Antagonism in Wallis’s Mathematics and Philosophy,” *Notes and Records: The Royal Society Journal of the History of Science* 72 (2018): 487-503

### *Other publications*

Review of *Priest of Nature: The Religious Worlds of Isaac Newton* by Rob Iliffe, *Journal of Ecclesiastical History* (forthcoming)

“A Syllabus of (Some of) Gingras’ Errors,” Review of *Science and Religion: An Impossible Dialogue* by Yves Gingras, *Metascience* 28 (2019): 211-219, co-written with Yiftach Fehige

“Complexity and Its Context in Science and Religion,” Review of *Science and Religion: A Historical Introduction*, 2nd ed., edited by Gary Ferngren, *Metascience* 26 (2017): 447-450

“Kepler in a Witch’s World,” Review of *The Astronomer and the Witch: Kepler’s Fight for His Mother* by Ulinka Rublack, *Metascience* 26 (2017): 191-193

Review of *Augustine and Science*, eds. John Doody, Adam Goldstein, and Kim Paffenroth, *Isis* 106 (2015), co-written with Yiftach Fehige

Report on 2013 CSHPS conference, *History of Science Society Newsletter* 42 (2013): 27-28

## Awards, Scholarships, and Distinctions

Nathan Reingold Prize, awarded by the History of Science Society for best essay by a graduate student, \$500 (2016)

- for “‘Nature Doth Not Work by Election’: John Wallis (1616-1703) on Natural and Divine Action”

Jackman Humanities Institute Conference Grant, \$2000 (2016)

- in support of “John Wallis at 400: A Workshop on Science, Mathematics, and Religion in Seventeenth-Century England”

Bursary to attend “Mathematics Emerging: A Tribute to Jackie Stedall and Her Influence on the History of Mathematics,” Oxford (2016)

University of Toronto School of Graduate Studies (SGS) Research Travel Grant, \$2340 (2015)

- for archival research at the University of Oxford and the Royal Society of London

Institute for the History and Philosophy of Science and Technology (IHPST) Travel Grant, \$910 (2015)

- for delivering the paper “Biblical History in the Natural Philosophy of John Wallis (1616-1703)” at the History of Science Society Annual Meeting in San Francisco

Joseph-Armand Bombardier Canada Graduate Scholarship (CGS) doctoral grant, \$35 000 (2014-2015)

University of Toronto School of Graduate Studies (SGS) Conference Grant, \$1000 (2014)

- for delivering the paper “Similitudes for the Unobservable: the *analogia Trinitatis* of John Wallis” at Themes of Polemical Theology across Early Modern Literary Genres, a conference in Bratislava, Slovakia

Richard Hadden Award for best student paper at CSHPS conference (2012)

- for “The Trinity and the Cube: Nescience in the Epistemology of John Wallis”

Social Sciences and Humanities Research Council (SSHRC) doctoral grant, \$20 000 per annum (2012-2014)

Ontario Graduate Scholarship (OGS) doctoral grant (declined), \$5000 (2012)

Avie Bennet Award, \$10 000 (2011)

- for excellence in arts and science

School of Graduate Studies Fellowship from University of Toronto, \$15 000 per annum + tuition (2011-2016)

Faculty of Graduate Studies Fellowship from Dalhousie University, \$7500 (2010)

John Brückmann Prize in European History from Glendon College (2010)

## Teaching Experience

Assistant Professor, Dalhousie University, Department of History, for development of “Engineering and Society” (2020-present)

Sessional Instructor, University of Toronto Mississauga, Department of Chemical & Physical Sciences: “Astronomical Revolutions” (2019-2020)

Associate Instructor of Language Arts at Brain Power Enrichment Programs, Toronto (2019-present)

Teaching Assistant, OCAD University: “The Culture of Science” (2019-2020)

Teaching Assistant, Dalhousie University: “Computer Science in Humanistic Perspective” (2018)

Teaching Assistant, University of King’s College: “Science Fiction in Film” (2018)

Course Instructor, University of Toronto: “Scientific Revolutions I” (2017)

Teaching Assistant, University of Toronto: “Science and Values” (2015-2016)

Teaching Assistant, University of Toronto: “Scientific Revolutions I” (2015)

Course Instructor, University of Toronto: “History of Science and Religion” (2015)

Teaching Assistant, University of Toronto: “Introduction to History and Philosophy of Science” (2014)

Teaching Assistant, University of Toronto: “History of Science and Religion” (2013)

Teaching Assistant, University of Toronto: “Scientific Revolutions I” (2011)

Teaching Assistant, Dalhousie University: “Modern American Culture” (2011)

Teaching Assistant, Dalhousie University: “Twentieth Century Germany” (2010)

## Academic Community Involvement

Research assistant for Gateway to Early Modern Manuscript Sermons (GEMMS) Project (2016-present)

- contributing to the development of an online database of early modern sermons

Head copyeditor for *Spontaneous Generations: A Journal for the History and Philosophy of Science* (2016-2018)

- communicated with authors and coordinated all copyediting for the 2018 issue

Co-organizer of reading group, “Demything the Conflict between Science and Religion,” with Robert Logan (2016)

- chose texts and led discussions with students on the science-religion relationship

Organizer for “John Wallis at 400: A Workshop on Science, Mathematics, and Religion in Seventeenth-Century England” (2016)

- developed conference program and managed budget

Centre for Reformation and Renaissance Studies Graduate Committee (2015-2016)

- participated with a team to develop a plan for the future of CRRS and its library

Instrument researcher and archivist for the University of Toronto Scientific Instruments Collection (2013-2015)

- investigated the purpose and provenance of scientific instruments
- contributed to two exhibits: “Science in Colour” (2014) and “Staging Science” (2015)
- maintained archive related to the history of the collection

Undergraduate Program Review for Environmental and Health Sciences program at Glendon College (2009)

- participated with the program’s faculty to plan the future of the program

## Conference Presentations

Scotland’s Historians of Science virtual meeting, June 2020

- “David Abercromby’s Anti-Catholic Science”

Representations of Popery in British History Workshop, Newcastle upon Tyne, April 2019

- “Anti-Catholicism and Early Modern Science”

Canada Milton Seminar XIII, Toronto, April 2018

- “GEMMS: Gateway to Early Modern Manuscript Sermons”

Early Modern Celebration, Toronto, April 2018

- “Anti-Catholic Science in Early Modern England: The Case of John Wallis”

Science, Imagination and Wonder: Robert Grosseteste and His Legacy, Oxford, April 2018

- “Robert Grosseteste, John Wallis, and the Laws of Nature”

Scientiae Conference, Padua, April 2017

- “John Wallis and the Catholics”

John Wallis at 400 workshop, Toronto, November 2016

- “John Wallis and the Catholics”

CSHPS Conference, Calgary, June 2016

- Panelist in book panel on Peter Harrison’s *The Territories of Science and Religion*
- “Biblical History in the Natural Philosophy of John Wallis (1616-1703)”

HSS Annual Meeting, San Francisco, November 2015

- “Biblical History in the Natural Philosophy of John Wallis (1616-1703)”

Early Modern Interdisciplinary Graduate Forum, University of Toronto, October 2015

- “Biblical History in the Natural Philosophy of John Wallis (1616-1703)”

Themes of Polemical Theology across Early Modern Disciplinary Genres, Bratislava, December 2014

- “Similitudes for the Unobservable: the *Analogia Trinitatis* of John Wallis”

CSHPS Conference, Victoria, June 2013

- “John Wallis on Natural and Divine Action”

HOPOS Conference, Halifax, June 2012

- “The Trinity and the Cube: Nescience in the Epistemology of John Wallis”

CSHPS Conference, Waterloo, May 2012

- “The Trinity and the Cube: Nescience in the Epistemology of John Wallis”

CSHPS Conference, Fredericton, May 2011

- “‘Unrefined and Undisciplined Masses’: Copernicanism, Esotericism, and Divine Accommodation”

Dalhousie Graduate History Conference, Halifax, March 2011

- “‘Unrefined and Undisciplined Masses’: Galileo, Esotericism, and Divine Accommodation”

## Guest Lectures

“Science Against Religion? A Complex History”, University of Toronto, Fall 2019

- “John Wallis (1616-1703): Science, Religion, and Politics in Early Modern England”

“Natural Science and Social Issues”, University of Toronto, Winter 2019

- “The Walt Disney Company and Narratives of Scientific Progress”

“Science and Religion: Historical Perspectives”, University of King’s College, Fall 2018

- “Religion and the Royal Society of London”
- “Galileo and the Catholic Church”

“The Scientific Revolution”, University of King’s College, Fall 2018

- “Galileo, Astronomy, and the New Physics”

“Science Fiction in Film”, University of King’s College, Fall 2018

- “Blade Runner”

“History of Science and Religion”, University of Toronto, Summer 2018

- “Religion and the Royal Society of London”

“History of Science and Religion”, University of Toronto, Winter 2018

- “Galileo, the ‘New Physics’ and the ‘Conflict Thesis’”
- “The Changing Historiography of ‘Science and Religion’”

“Scientific Revolutions I”, University of Toronto, Fall 2016

- “Mechanical Philosophy and the Royal Society”

“History of Science and Religion”, University of Toronto, Winter 2016

- “Changing Historiography”
- “When Does the History of Science Begin?”
- “Galileo and the Church”
- “The Reformation, Newton, and Deism”

“Scientific Revolutions I”, University of Toronto, Summer 2013

- “Pluralism in Early Modern Medicine”

“History of Science and Religion”, University of Toronto, Winter 2013

- “Science, Religion, and How to Write the History of Their Interaction”
- “Galileo and God’s Two Books”
- “Science and Religion in Good Company: The Royal Society”
- “Science, Religion, and Medicine”

“History of Science and Religion”, University of Toronto, Winter 2012

- “Galileo and God’s Two Books”

“Faith and Physics”, University of Toronto, Winter 2012

- “Galileo and God’s Two Books”

“Scientific Revolutions I”, University of Toronto, Fall 2011

- “Religious Reactions to Copernicanism”

## **Research Interests**

- the history of science in early modern Europe
- interactions between science and religion
- the natural philosophy and theology and John Wallis
- anti-Catholicism in early modern science
- priority disputes and intellectual property in the history of science
- science fiction in relation to the history of science

## **Languages**

- reading, writing, and speaking knowledge of French
- reading knowledge of Latin