

# GUY M. SECHRIST

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## EDUCATION

- Ph.D. in History and Philosophy of Science**, University of Cambridge. 2017-2022
- M.Phil. in History and Philosophy of Science**, University of Cambridge. 2016-2017
- Graduated First Class.
- Pre-Doctoral Fellow**, Harvard University's Dumbarton Oaks. 2016
- M.A. in History of Medicine**, Villanova University 2014-2016
- Graduated Magna Cum Laude.
- B.A. in History**, Kutztown University of Pennsylvania 2010-2014
- Graduated Magna Cum Laude.
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## TEACHING EXPERIENCE

**Lecturer, Early Modern History of Science, Technology and Medicine, University of Tennessee.** 2023-

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**Instructor (Fixed Term), Early Modern European History, Donnelly College, USA.** 2021-2023

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**Supervisor, University of Cambridge.** 2017-2021

PhD Supervisor for Professor Simon Schaffer and Dr. Dániel Margócsy's Part 1B and 2A in Natural Philosophy, History of Medicine, and Early History of Science, Cambridge University.

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**Graduate Teaching Assistant, Villanova University.** 2014-2016

Graduate Teaching Assistant for Dr. Jeffrey Johnson's *Nature and Human Society: Science, Medicine, and Technology from 1300-1800*.

Graduate Teaching Assistant for Dr. Rebecca Winer's *Global Slavery before 1500 & Women & Gender in Europe 400-1650*

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## SELECTION OF CONFERENCES, LECTURES AND WORKSHOPS

- Johannes Kepler's *Messekunst Archimedis* and specific gravities of substances, JUNTO, Truman State University. 2023
- The Use of a Dead Mans' Bones, BARNES Conference, Temple University, Philadelphia. 2023
- Kepler's use of Archimedean Polyhedral Theory, Linda Hall Library Colloquium, KS. 2021

- Capacity to Enslave: a history of Middle Passage, Donnelly College Fall Semester Introductory Lecture. 2021
- Investigating Kepler's *Nova Stereometria*, Univerisity of Cambridge Colloquium. 2021
- Origins and Practices of Barrel Gauging in Stuart England, Michaelmas HPS Departmental Guest Speaker, Cambridge University, History and Philosophy of Science Department. 2019
- Invited round table discussion speaker at "From Hansa to Lufthansa: Transportation Technologies and the Mobility of Knowledge in Germanic Lands and Beyond, 1300 -2018", Cambridge University. 2019
- "False Measures": Seventeenth century gauging instruments. Measurement at the Crossroads, Paris, France. 2018
- Charles Davenant's Diary: an effort to centralize the Excise Office. Lent HPS Departmental Guest Speaker, Cambridge University, History and Philosophy of Science Department. 2018
- Closed Curiosity Cabinets and Sheltered Gardens: St. Edmunds College, Cambridge. 2018
- Invited participant at an editorial workshop for "Consumers of the Exotic: European commerce and the consumption of materia medica." Corpus Christi College, Cambridge. 2017
- How merchants mathematically calculated and gauged the contents of wooden barrels. Clare Hall Graduate Conference, Cambridge University. 2017
- Naturalia* as State Knowledge: the role of naturalists and the state's interest in transporting living plants for economic and commercial purposes. Dumbarton Oaks' Residency Colloquium. 2016
- Sponsored Workshop Attendee at Images and Texts in Medical History: An Introduction to Methods, Tools, and Data from the Digital Humanities. The National Institute of Health, Bethesda, MD. 2016

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## **SELECTION OF GRANTS, FELLOWSHIPS AND AWARDS**

- Research Release Grant, Donnelly College. 2021
- Special Essay Prize Issue of Notes and Records Runner-Up (longlisted, accepted publication). 2021
- History and Philosophy of Science Special Research Travel Grant. 2019
- Bulletin of the Scientific Instrument Society Grant Award Recipient. 2018
- Medical History William Bynum Essay Prize Runner-Up. 2018
- European Innovation Technologies (EIT) Global Food Securities Research Funding. 2018
- Heidelberg University Summer Research Fellowship. 2017
- Cambridge BOAKS research and travel grant, Clare Hall College. 2017
- Chemical Heritage Foundation's History of Science Consultancy Research Fellowship. 2016
- Short-Term Pre-Doctoral Residency Fellowship, Harvard's Dumbarton Oaks. 2016
- National Endowment Traveling Grant for NIH Humanities Workshop in Bethesda, MD. 2016

Graduate Studies Service Award for Teaching Assistantship, Villanova.	2016
Graduate Studies Research Grant, Villanova.	2016
History Department Travel Grant, Villanova.	2016
College of Physicians of Philadelphia Student Research Fellowship.	2016
Mutter Museum of Philadelphia Internship Recipient.	2015
Chambliss Student Academic Achievement Award for top ten students graduating in 2014.	2014
Senior Scholarship Awarded for highest distinction in history graduating class.	2014
Anthony J. Mazzaferri Scholarship for distinguished scholarship in history.	2013

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## LIST OF PUBLICATIONS, SUBMISSIONS & WORKS-IN-PROGRESS

### “WORKS-IN-PROGRESS”

“Printed Authority & Calculative Methods: Seventeenth-Century Legal Measurement and Computation for the Bank of England”, research project is being co-authored with J.P. Ascher and has been submitted to Harvard University’s Just Computation - Social and Historical Perspectives on Calculation in the Law. Submitted March 23, 2023.

“Colonial Bonsai: John Bradby Blake’s curious little plants”, research project will be conducted at the Oak Spring Garden Foundation and will be prepared for *The Journal of Japanese Studies*. Summer, 2023.

“‘The use of a dead mans bones’: Applying the Archimedean polyhedral theory, invention of logarithms, and mathematical instruments to the practice of gauging barrels”, article is written and undergoing editing to be submitting with the *British Journal for the History of Mathematics*.

“John Lethbridge and the Air-pump: vacuums, compressed air, and a fraudulent solution to salvage diving in eighteenth-century Britain”, project is being prepared for *Technology and Culture*. Research has been conducted at the Linda Hall Library.

“Science for Hire: the Royal Society of Arts and the financial impact of ‘Premiums’ on agricultural production in the Atlantic World”, project is being prepared for publication with the *British Journal on the History of Science*.

### “SUBMITTED”

*Mathematical Ports: From Shipbuilding and the Calculation of Commodities to Managing Colonial Networks and the Establishment of Britain’s Maritime Supply-Chain in the Atlantic World, 1680-1850*, book proposal submitted to Liverpool University Press, Currently ‘Under Review’ with Nick White for newly launched series, “Studies in Port and Maritime History”. Submitted March 15, 2023

“Collaborative Healers: Pregnant-Patients and their Midwives in Richard Napier’s Casebooks”, submitted to *Social History of Medicine*, Manuscript ID SHM-2022-122, awaiting review as of September 21, 2022.

“‘The Infinitely little part’: Isaac Newton and the barrel gaugers”, submitted to *Historia Mathematica*, Manuscript ID HM 22-40, ‘Under Review’ as of August 25, 2022.

## “PUBLISHED”

“Barrels for transporting and preserving natural history specimens in the eighteenth century”, *Archives of Natural History*, Manuscript ID ANH 2022-11, Accepted by Anne Secord, Charles Nelson and Peter Davis for publication in October, 2023.

*Gauging a State: Excise Taxation, Practical Mathematics, and Cask Measuring in Seventeenth Century England* (Doctoral thesis). 2022. <https://doi.org/10.17863/CAM.89522>

“An Instrument of Gender: Re-evaluating the Role of the Male-Midwife and the Lying-in Chamber in Seventeenth and Eighteenth Century England” in *CONCEPT: Villanova Graduate Journal*, Vol. 40, 87-99. (2017). <https://concept.journals.villanova.edu/article/view/2192>

“Nicholas Culpeper’s Directory: Legitimizing the Profession of Midwives in Seventeenth-Century England”, in Sace, Elder, eds. *Essays on Race, Gender, and Politics in Global History* (Common Ground Publishing, University of Illinois, August, 2017) ISBN: 978-1612299273.

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## RELATED EXPERIENCE/SERVICE

**Treasurer**, Cambridge Food Security Forum 2018-2019

**Invigilator**, Whipple Museum of the History of Science. 2018

**Co-Founder and Chief-Editor of *The Elmsider***, Cambridge University’s first graduate journal. 2017

**Chief-Editor of History for CONCEPT**, graduate journal published by Villanova University. 2016

**Research Contractor**, Chemical Heritage Foundation under Richard Ulrych. 2016

**Public History Curator for Public Health**- Designer of a short-term exhibition displaying curated objects from the Mutter Museum of Philadelphia entitled, “The Professionalization of Women in Medicine: from Midwifery to Nursing.” 2016

**Archival Assistant & Docent**- Mutter Museum of Philadelphia specializing in early-modern History of Medicine. 2014-2016

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## REFERENCES

Professor Simon Schaffer, [sjs16@cam.ac.uk](mailto:sjs16@cam.ac.uk) Department of History and Philosophy of Science, University of Cambridge, Free School Lane, Cambridge, CB2 3RH, U.K.

Professor Dániel Margócsy, [dm753@cam.ac.uk](mailto:dm753@cam.ac.uk) Department of History and Philosophy of Science, University of Cambridge, Free School Lane, Cambridge, CB2 3RH, U.K.

Dr. William Deringer, [deringer@mit.edu](mailto:deringer@mit.edu) Program in Science, Technology, and Society, Massachusetts Institute of Technology, 77 Massachusetts Ave, Cambridge, MA. 02139, U.S.A.

*Sechrist, CV*

Dr. William Ashworth, [W.J.Ashworth@liverpool.ac.uk](mailto:W.J.Ashworth@liverpool.ac.uk) Department of History, University of Liverpool, 8-14 Abercromby Square, Liverpool, L69 7WZ, U.K.

Benjamin Gross, Phd., [grossb@lindahall.org](mailto:grossb@lindahall.org) Vice President for Research and Scholarship at The Linda Hall Library, 5109 Cherry Street, Kansas City, MO. 64110, U.S.A.

Dr. Jeffrey Johnson, [Jeffrey.johnson@villanova.edu](mailto:Jeffrey.johnson@villanova.edu) Department of History, Villanova University, Saint Augustine Center, 800 East Lancaster Ave., 19085, U.S.A.