**ALISON LYNN MCMANUS**

Princeton University

Program in the History of Science

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**EDUCATION**

PRINCETON UNIVERSITY

PhD, History of Science. Expected June 2022.

Dissertation: “The Other Chemists’ War: The Uses, Dual Uses, and Abuses of Chemical Weapons in World War II.”

Advisor: Michael Gordin. First reader: Angela Creager.

MA with Distinction, History. 2019.

Exam fields: Modern Science (major), Environmental History (minor), Modern European History (minor).

THE UNIVERSITY OF CHICAGO

BA with Honors, History. 2016.

Thesis: “Building the New Fascist Scientist: Rhetoric and Empire in Italian National Research Organizations, 1907­–1936.”

BA with Honors, Chemistry. 2016.

Thesis: “Energies and Structures in Biradical Chemistry from the Parametric Two-Electron Reduced-Density Matrix Method: Application to the Benzynes.”

**PUBLICATIONS**

Forthcoming: “Science, Interrupted: Censorship and the Problem of Credit Allocation in the American Advisory Committee on Scientific Publications, 1940–46,” *Historical Studies in the Natural Sciences* 52, no. 1.

Revise and resubmit: “The Censor’s Priority: Credit, Intellectual Property, and Secrecy in Synthetic Auxin Research, 1940–1945,” *Ambix*.

“The Two Faces of Modern Chemistry. Review of *The Chemical Age,* by Frank A. von Hippel,” *Physics Today* 73, no. 11 (November 2020): 53–54.

A. McManus, E. Hoy, D. Mazziotti, “Energies and Structures in Biradical Chemistry from the Two-Electron Reduced-Density Matrix Method,” *Physical Chemistry and Chemical Physics* 17 (2015): 12521–12529.

N. Planas, A. Dzubak, R. Poloni, L. Lin, A. McManus, T. MacDonald, J. Neaton, J. Long, B. Smit, L. Gagliardi, “The Mechanism of Carbon Dioxide Adsorption in an Alkylamine-Functionalized Metal-Organic Framework,” *Journal of the American Chemical Society* 135 (2013): 7402–7405.

**TEACHING**

“Chemistry and Conflict” (BHP 270).

Rider University, Baccalaureate Honors Program. Interdisciplinary chemistry-history course co-taught with Bryan Spiegelberg. Fall 2019.

**TALKS and CONFERENCE PRESENTATIONS**

**Φ = by invitation**

“Patenting Agent Orange: Chemical Classification, Novelty, and the Military-Industrial Complex in the Cold War United States,” 26th International Congress of the History of Science and Technology. Virtual Conference. July 27, 2021.

**Φ** “Restricted Priority: Debating the Invention of Agent Orange in the Aftermath of War,” Oxford Seminar in the History of Chemistry. June 10, 2021.

“Who Invented Agent Orange? Priority Disputes in the Aftermath of Wartime Secrecy,” Society for the History of Alchemy and Chemistry Postgraduate Workshop. June 4, 2021.

“Constructing a Magic Bullet: DDT and its Auxiliaries in the Sardinian Anti-Malaria Campaign, 1946–1950,” History of Science Society Virtual Meeting. October 10, 2020.

**Φ** “A Tale of Two Secrets: Hormone Herbicides between Britain and the United States,” Georgetown Workshop: The Role of Sharing and Denying Knowledge in International Relations since World War I. Washington, DC. March 27, 2020. *Postponed due to COVID-19.*

“The Object of Secret Science: Censoring Hormone Herbicides in the Second World War,” History of Science Society. Utrecht, NL. July 24, 2019.

“The Object of Secret Science: Censoring Hormone Herbicides in the Second World War,” Princeton-Harvard-MIT Graduate Workshop in the History of the Physical Sciences (Phunday). Cambridge, MA. October 6, 2018.

“Atomic Layer Deposition in NU1000: Insights from Quantum Chemistry,” Nanoporous Materials Genome Center All Hands Meeting. Berkeley, CA. October 23, 2013. Co-presented with N. Planas.

“CO2 Adsorption in Alkylamine-Functionalized Mg2(dobpdc),” Energy Frontier Research Center (EFRC) for Gas Separation Relevant to Clean Air Technologies. Berkeley, CA. September 13, 2012. Co-presented with A. Dzubak and N. Planas.

**AWARDS and FELLOWSHIPS**

Deutscher Akademischer Austauschdienst (DAAD) Kurzstipendium. 2021-22.

Visiting Predoctoral Fellow, Max-Planck-Institut für Wissenschaftsgeschichte. 2021-22.

American Institute of Physics Grant-in-Aid. 2020

Frances E. Knock Prize for Outstanding Academic Achievement in Chemistry, University of Chicago. 2016

Phi Beta Kappa, University of Chicago. 2016.

**OTHER WRITING**

“Secrets of Matter, Matters of Secrecy: A Report on the 12th Annual Postgraduate Workshop.” *Chemical Intelligence* (Newsletter of the Society for the History of Alchemy and Chemistry). August 6, 2021. [Link](https://www.ambix.org/wp-content/uploads/2021/08/Final_ChemicalIntelligence-Summer2021.pdf)

“Dispatches from Princeton’s History of Science Colloquium: Jutta Schickore’s ‘Contributions to a History of Experimental Controls.’” *Journal of the History of Ideas Blog*. March 28, 2018. [Link](https://jhiblog.org/2018/03/28/dispatches-from-princetons-history-of-science-colloquium-jutta-schickores-contributions-to-a-history-of-experimental-controls/)

“Firebrand Infrastructures: Insights from the Society for the History of Alchemy and Chemistry Postgraduate Workshop.” *Journal of the History of Ideas Blog*. January 22, 2018. [Link](https://jhiblog.org/2018/01/22/firebrand-infrastructures-insights-from-the-society-for-the-history-of-alchemy-and-chemistry-postgraduate-workshop/)

**DEPARTMENTAL and PROFESSIONAL SERVICE**

Postgraduate Representative, Society for the History of Alchemy and Chemistry (SHAC).

2020 ­– present.

Organized SHAC Postgraduate Workshop: Secrets of Matter, Matters of Secrecy: Concealing (al)Chemical Knowledge from Ciphers to the Military-Industrial Complex. Virtual. June 3­–4, 2021.

Program Committee, History of Science Society Forum for the History of the Chemical

Sciences (FoHCS). 2019 – present.

Organized panels:

- “Chemical Pasts and Chemical Futures,” History of Science Society. New Orleans, LA. November 19, 2021.

- “Extraction, Reaction, Production: Telling the Histories of Chemistry Through Labor,” History of Science Society. Virtual. October 10, 2020.

Graduate Representative. Princeton Environmental Humanities Faculty Search. 2020.

History of Science Graduate Representative. Served as liaison between graduate students and faculty in the History of Science Program. 2018 – 2019.

Organized Princeton-Harvard-MIT Graduate Workshop in the History of the Physical

Sciences (Phunday). Cambridge, MA. October 5–6, 2018.

Women’s Committee President, Princeton Graduate History Association. 2017 – 2018.

**EMPLOYMENT**

Project Manager, The Making (and Unmaking) of Environmental Carcinogens. Princeton University Center for Digital Humanities. [Project Description](https://cdh.princeton.edu/projects/making-and-unmaking-environmental-carcinogens-19602000/)

Visitor Experience Associate, Science Museum of Minnesota. 2016 – 2017.

Collections Department Intern, Minnesota Historical Society. Fall 2016.

**RESEARCH LANGUAGES**

Italian (reading and speaking)

German (reading)

Spanish (reading)

**PROFESSIONAL AFFILIATONS**

History of Science Society

Society for the History of Alchemy and Chemistry