Joseph P. Dexter

Data Science Initiative and Department of Human Evolutionary Biology
Harvard University
Science and Engineering Complex 1.312-10
150 Western Avenue
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https://scholar.harvard.edu/dexter

EMPLOYMENT

Harvard University **2020-present**

Data Science Fellow

Dartmouth College **2018-2020**

Neukom Fellow

EDUCATION

Harvard University **2013-2018**

Ph.D. in Systems Biology

Dissertation: *Quantitative Approaches to Cellular Information Processing and Metabolic Regulation*
Advisors: Jeremy Gunawardena and Vamsi Mootha

Princeton University **2009-2013**

A.B. in Chemistry *cum laude*
Certificate in Quantitative and Computational Biology

Chemistry Thesis: *Predicting Systems-Level Behavior from Biochemically Realistic Algebraic Models*
Advisors: Jeremy Gunawardena and Tom Muir

Classics Thesis: *The Performance of Identity in Plautine Comedy*
Advisor: Denis Feeney

GRANTS AND FELLOWSHIPS

Grants

As Principal Investigator

Collaborative Research Grant, National Endowment for the Humanities (PI with co-PIs Pramit Chaudhuri and Joseph Henrich; $247,178, 2023-2026)
Project title: *Computational Methods for Historical Psychology: A case-study in Latin ca. 200 BCE - 1700 CE*

Digital Humanities Advancement Grant, National Endowment for the Humanities (co-PI with PI Pramit Chaudhuri; grant no. HAA-271822-20, $324,971, 2020-2023)
Project title: *Computational Tools for Diachronic and Cross-cultural Study of Literature: Multilingual Stylometry and Phylogenetic Profiling*

CoronaVirusFacts Alliance Grant, Poynter Institute (PI; $5,000, 2020)
Project title: *Characterizing the Comprehensibility of Trustworthy and Untrustworthy Information About COVID-19*

Digital Extension Grant, American Council of Learned Societies (co-PI with PI Pramit Chaudhuri; $150,000, 2019-2020)
Project title: *Linking Literature, Bioinformatics, and Machine Learning through the Quantitative Criticism Lab*

Project Grant, Leslie Center for the Humanities, Dartmouth College (PI; $20,000, 2019)
Project title: *Part I of the "Digital Humanities Beyond Modern English" Conference*

Workshop Grant, Neukom Institute for Computational Science, Dartmouth College (PI; $15,000, 2019)
Project title: *Part I of the "Digital Humanities Beyond Modern English" Conference*

As Collaborator

Constructive Advanced Thinking, Network of European Institutes for Advanced Study (collaborator with PI Damián Blasi; 2022-2024)
Project title: *Challenges for the Development of Fair Language-Based Assessments of Health, Education, Behavior, and Beyond*

John Templeton Foundation (collaborator with co-PIs Joseph Henrich and Jonathan Schulz; $2,542,700, 2021-2024)
Project title: *Religion, Family Structure and the Origins of Individual Freedom and Economic Prosperity*

Digital Humanities Start-Up Grant, National Endowment for the Humanities (collaborator with PI Pramit Chaudhuri; grant no. HD-248410-16, $74,921, 2016-2018)
Project title: *Classical Intertextuality and Computation*

Arts, Humanities, and Social Science Fund, Office of the Provost, Dartmouth College (collaborator with PI Pramit Chaudhuri; $20,000, 2015-2017)
Project title: *Computational Analysis of Intertextuality in Classical Literature*

CompX Grant, Neukom Institute for Computational Science, Dartmouth College (collaborator with PI Pramit Chaudhuri; $21,500, 2014-2015)
Project title: *Computational Analysis of Intertextuality in Classical Literature*

Fellowships

Harvard Data Science Fellowship ($227,810, 2020-2023)

Neukom Fellowship ($130,500, 2018-2020)

National Science Foundation Graduate Research Fellowship (grant no. DGE1144152, $130,000, 2013-2016)

PUBLICATIONS

** equal contribution; ** corresponding author*

V. Mishra* and **J.P. Dexter**,*, ** "Response of Unvaccinated US Adults to Official Information About the Pause in Use of the Johnson & Johnson-Janssen COVID-19 Vaccine," *Journal of Medical Internet Research* (forthcoming)

J.P. Dexter,** P. Chaudhuri,** P.J. Burns, E.D. Adams, T.J. Bolt, A. Cásarez, J.F. Flynt, K. Li, J.F. Patterson, A. Schwartz, and S. Shumway, "A Database of Intertexts in Valerius Flaccus' *Argonautica* 1: A Benchmarking Resource for the Evaluation of Computational Intertextual Search of Latin Corpora," *Journal of Open Humanities Data* (forthcoming)

M.J.S. MacEwen, D.-V. Rusnac, H. Ermias, T.M. Locke, H.E. Gizinski, **J.P. Dexter**,** and Y. Sancak,** "Mathematical modeling and biochemical analysis support partially ordered CaM-MLCK binding," *iScience* **26** (2023) 106146. doi:10.1016/j.isci.2023.106146

J.P. Dexter and V. Mishra, "Understanding of and Trust in the Centers for Disease Control and Prevention's Revised COVID-19 Isolation and Quarantine Guidance Among US Adults," *Journal of General Internal Medicine* **38** (2023) 554-557. doi:10.1007/s11606-022-07904-8

A. Fedchin, P.J. Burns, P. Chaudhuri, and **J.P. Dexter**, "Senecan Trimeter and Humanist Tragedy," *American Journal of Philology* **143** (2022) 475-503. doi:10.1353/ajp.2022.0019

P. Chaudhuri and **J.P. Dexter**, "More Latian Anagrams (*Aen*. 8.314-36)," *Classical Philology* **117** (2022) 200-209. doi:10.1086/717567

J.P. Dexter and P. Chaudhuri, "*Dardanio Anchisae*: Hiatus, Homer, and Intermetricality in the *Aeneid*," *Harvard Studies in Classical Philology* **111** (2021) 245-256

P.J. Burns, J.A. Brofos, K. Li, P. Chaudhuri, and **J.P. Dexter**,** "Profiling of Intertextuality in Latin Literature Using Word Embeddings," *Proceedings of the 2021 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies* (2021) 4900-4907. doi:10.18653/v1/2021.naacl-main.389

V. Mishra and **J.P. Dexter**,** "Comparison of Readability of Official Public Health Information About COVID-19 on Websites of International Agencies and the Governments of 15 Countries," *JAMA Network Open* **3** (2020) e2018033. doi:10.1001/jamanetworkopen.2020.18033

J.P. Dexter,* S. Prabakaran,* and J. Gunawardena, "A Complex Hierarchy of Avoidance Behaviors in a Single-Cell Eukaryote," *Current Biology* **29** (2019) 4323-4329. doi:10.1016/j.cub.2019.10.059

P. Chaudhuri, T. Dasgupta, **J.P. Dexter**,** and K. Iyer, "A small set of stylometric features differentiates Latin prose and verse," *Digital Scholarship in the Humanities* **34** (2019) 716-729. doi:10.1093/llc/fqy070

T.J. Bolt., J.H. Flynt, P. Chaudhuri, and **J.P. Dexter**,** "A Stylometry Toolkit for Latin Literature," *Proceedings of the 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP): System Demonstrations* (2019) 205-210. doi:10.18653/v1/D19-3035

L. Neidorf, M.S. Krieger,** M. Yakubek, P. Chaudhuri, and **J.P. Dexter**,** "Large-scale quantitative profiling of the Old English verse tradition," *Nature Human Behaviour* **3** (2019) 560-567. doi:10.1038/s41562-019-0570-1

-Cover article

T.E. Gianitsos, T.J. Bolt, P. Chaudhuri, and **J.P. Dexter**,** "Stylometric Classification of Ancient Greek Literary Texts by Genre," *Proceedings of the 3rd Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature* (2019) 52-60. doi:10.18653/v1/W19-2507

J.P. Dexter,* P.S. Ward,* T. Dasgupta, A.M. Hosios, J. Gunawardena, and M.G. Vander Heiden, "Lack of evidence for substrate channeling or flux between wildtype and mutant isocitrate dehydrogenase to produce the oncometabolite 2-hydroxyglutarate," *Journal of Biological Chemistry* **293** (2018) 20051-20061. doi:10.1074/jbc.RA118.004278

J.P. Dexter, J.W. Biddle, and J. Gunawardena, "Model discrimination for Ca^{2+}-dependent regulation of myosin light chain kinase in smooth muscle contraction," *FEBS Letters* **592** (2018) 2811-2821. doi:10.1002/1873-3468.13207

P. Chaudhuri** and **J.P. Dexter**,** "Bioinformatics and Classical Literary Study," *Journal of Data Mining and Digital Humanities* (2017). doi:10.46298/jdmdh.1386

-Special issue on computer-aided processing of intertextuality in ancient languages

J.P. Dexter,*, ** T. Katz,* N. Tripuraneni,* T. Dasgupta,* A. Kannan, J.A. Brofos, J.A. Bonilla Lopez, L.A. Schroeder, A. Casarez, M. Rabinovich, A. Haimson Lushkov, and P. Chaudhuri,** "Quantitative criticism of literary relationships," *Proceedings of the National Academy of Sciences USA* **114** (2017) E3195-E3204. doi:10.1073/pnas.1611910114

P. Chaudhuri, **J.P. Dexter**, and J.A. Bonilla Lopez, "Strings, Triangles, and Go-betweens: Intertextual Approaches to Silius' Carthaginian Debates," *Dictynna* **12** (2015). doi:10.4000/dictynna.1156

-Special issue on Flavian epic intertextuality

J.P. Dexter,* T. Dasgupta,* and J. Gunawardena, "Invariants reveal multiple forms of robustness in bifunctional enzyme systems," *Integrative Biology* **7** (2015) 883-894. doi:10.1039/c5ib00009b

-Cover article

-Themed issue on integrative approaches for signaling and metabolic networks

J.P. Dexter, P. Xu, J. Gunawardena, and M.N. McClean, "Robust network structure of the Sln1Ypd1-Ssk1 three-component phospho-relay prevents unintended activation of the HOG MAPK pathway in *Saccharomyces cerevisiae*," *BMC Systems Biology* **9** (2015) 17. doi:10.1186/s12918015-0158-y

J.P. Dexter, M.B. Tamme, C.H. Lind, and E.-M. S. Collins, "On-chip immobilization of planarians for *in vivo* imaging," *Scientific Reports* **4** (2014) 6388. doi:10.1038/srep06388

J.P. Dexter** and J. Gunawardena, "Dimerization and bifunctionality confer robustness to the isocitrate dehydrogenase regulatory system in *Escherichia coli*," *Journal of Biological Chemistry* **288** (2013) 5770-5778. doi:10.1074/jbc.M112.339226

J.P. Dexter, "The Reception of Phanocles at *Georgics* 4.507-27," *Mnemosyne* **66** (2013) 303311. doi:10.1163/156852512X621448

J.P. Dexter, "A Nineteenth-Century American Interpretation of the *Aeneid*," *Classical World* **105** (2011) 39-56. doi:10.1353/clw.2011.0112

J.P. Dexter, "*An Iliad*," *Theatre Journal* **63** (2011) 453-455. doi:10.1353/tj.2011.0096

J.P. Dexter** and W. Parker, "Parallel combinatorial chemical synthesis using single-layer poly(dimethylsiloxane) microfluidic devices," *Biomicrofluidics* **3** (2009) 034106. doi:10.1063/1.3230501

PREPRINTS

** equal contribution; ** corresponding author*

V. Mishra,** A. Sarraju, N.M. Kalwani, and **J.P. Dexter**,** "Evaluation of Prompts to Simplify Cardiovascular Disease Information Using a Large Language Model," *medRxiv* 2023.11.08.23298225. doi:10.1101/2023.11.08.23298225

D.E. Blasi,** V. Mishra,** A.M. García, and **J.P. Dexter**,** "Linguistic fairness in the U.S.: The case of multilingual public health information about COVID-19," *medRxiv* 2021.09.27.21264211. doi:10.1101/2021.09.27.21264211

PRESENTATIONS AND POSTERS

**presenter*

By Invitation

D. Blasi,* **J.P. Dexter**,* A.M. García,* C. Scaff,* and A.G. Thalmayer,* "Language-based Assessments," Central European University, November 2023

M. Atari,* P.J Burns, P. Chaudhuri,* J. Devereaux, and **J.P. Dexter**,* "Natural Language Processing for Historical Psychology with Deep Diachronic Corpora," Workshop on Historical Kinship, Psychology, and Economic Prosperity, Harvard University, October 2023

J.P. Dexter, "Impactful and Fair Language Technologies: Integrating NLP, Biomedicine, and the Digital Humanities," University of Macau, March 2023

J.P. Dexter, "Natural Language Processing and Cultural Analytics for Latin Literature," Duke Kunshan University, December 2022 (virtual)

D. Blasi,* **J.P. Dexter**,* A.M. García,* C. Scaff,* and A.G. Thalmayer,* "Challenges for the development of fair language-based assessments of health, education, behavior, and beyond," University of Konstanz, November 2022

J.P. Dexter, "Linguistic Fairness and Health Literacy," Harvard Data Science Initiative Annual Conference, Harvard University, November 2022

P. Chaudhuri* and **J.P. Dexter**,* "Computational differentiation of genre and speaker styles in Latin literature," University of Birmingham, February 2022 (virtual)

P. Chaudhuri* and **J.P. Dexter**,* "Some Limit Cases in the Relevance of Classics: Computation, Culture, and COVID," Swansea University, February 2021 (virtual)

J.P. Dexter, "Strategies for Clear Communication About COVID-19," 2020 Big Data Conference, Center of Mathematical Sciences and Applications, Harvard University, August 2020 (virtual)

J.P. Dexter, "Stylometry Beyond Modern English Literature," University of Toronto, July 2020 (virtual)

J.P. Dexter, "Phylogenetic profiles of long literary histories," Renaissance Man: Re-Appraisal and Re-Invention, Jadavpur University, November 2019

J.P. Dexter, "Quantifying literary style and evolution," Yale University, March 2019

J.P. Dexter, "Quantifying literary style and evolution," University of Rhode Island, February 2019

P. Chaudhuri* and **J.P. Dexter**,* "Quantitative Criticism of Classical Literature," University of Iowa, November 2016

J.P. Dexter, "Performing the Non-Canonical Antigone: The Reception of Euripides' *Phoenissae*, 1990-2010," Princeton-Oxford Seminar in Greek Literature: Antigone and Postclassicism, Princeton University, January 2013

By Refereed Abstract

J.P. Dexter,* T.J. Bolt, and P. Chaudhuri, "Computational Profiling of Genre and Speech Styles in Latin Literature," 120th Annual Meeting of the Classical Association of the Middle West and South, St. Louis, April 2024

J.P. Dexter,* T.J. Bolt, and P. Chaudhuri, "Computational Profiling of Genre and Speech Styles in Latin Literature," Annual Meeting of the Classical Association of New England, Durham, March 2024

E. D. Adams,* P. Chaudhuri, and **J.P. Dexter**,* "Corpus-Wide Computational Analysis of Anagrammatic Wordplay in Latin Literature, 155th Annual Meeting of the Society for Classical Studies, Chicago, January 2024

D. Blasi, V. Mishra,* A.M. García, and **J.P. Dexter**,* "Linguistic fairness and health equity in the U.S.: The case of multilingual public health information about COVID-19," 2023 Health Literacy Research Conference, October 2023 (virtual)

J. Devereaux,* M. Atari, **J.P. Dexter**,* P. Chaudhuri, and P.J. Burns, "Collaborative Criticism: Historical Psychology in Latin Texts," The Functions of Criticism, University of Cambridge, May 2023

J. Devereaux,* M. Atari, **J.P. Dexter**,* P. Chaudhuri, and P.J. Burns, "The Future is Collaborative: Historical Psychology in Latin Texts," Humanities Forward: Opportunities and Challenges for the Next Twenty Years, University of Oxford, May 2023

B. Dasgupta,* **J.P. Dexter**,* and P. Chaudhuri, "Racial and Disciplinary Language in Classical Studies: A Quantitative Study of Three Text Collections," 119th Annual Meeting of the Classical Association of the Middle West and South, Provo, March 2023

A. Fedchin,* P. Chaudhuri,* and **J.P. Dexter**,* "Senecan Trimeter and Humanist Tragedy," 153rd Annual Meeting of the Society for Classical Studies, January 2022 (virtual)

J.P. Dexter* and P. Chaudhuri,* "Semantic intertextual search with Latin word embedding models," 152nd Annual Meeting of the Society for Classical Studies, January 2021 (virtual)

T.J. Bolt,* P. Chaudhuri, and **J.P. Dexter**,* "A Stylometric Analysis of Latin Literary Genre," 151th Annual Meeting of the Society for Classical Studies, Washington, D.C., January 2020

P. Chaudhuri and **J.P. Dexter**,* "The Ship of Theseus: A framework for intertextuality connecting literature, biology, and computation," 150th Annual Meeting of the Society for Classical Studies, San Diego, January 2019

P. Chaudhuri* and **J.P. Dexter**,* "More Latian Anagrams (*Aen.* 8.314-36)," 149th Annual Meeting of the Society for Classical Studies, Boston, January 2018

J.P. Dexter, B. Liu, B. Kotopka, P. Xu, and M.N. McClean,* "Bandwidth measurements elucidate a rapid timescale for the regulation of aromatic amino acid metabolism in the budding yeast *Saccharomyces cerevisiae*," 11th Annual q-bio Conference, New Brunswick, July 2017

J.P. Dexter,* P. Chaudhuri, and A.S. Schwartz,* "Phylogenetic profiling and the reception of classical drama," 148th Annual Meeting of the Society for Classical Studies, Toronto, January 2017

P. Chaudhuri* and **J.P. Dexter**,* "What can computers do for philology? A case study in Pseudo-Seneca," 147th Annual Meeting of the Society for Classical Studies, San Francisco, January 2016

J.P. Dexter, P. Xu, J. Gunawardena, and M.N. McClean,* "Robust network structure of the Sln1-Ypd1-Ssk1 three-component phospho-relay prevents unintended activation of the HOG MAPK pathway in *Saccharomyces cerevisiae*," Ninth Annual q-bio Conference, Blacksburg, August 2015

J.P. Dexter,* M. Romanello,* P. Chaudhuri,* T. Dasgupta, and N. Tripuraneni, "Enhancing and Extending the Digital Study of Intertextuality," 146th Annual Meeting of the Society for Classical Studies, New Orleans, January 2015

J.P. Dexter, "The Performance of Identity in Plautus' *Amphitryon*," 145th Annual Meeting of the American Philological Association, Chicago, January 2014

J.P. Dexter, "*The* Aeneid *in Modern American* and the State of the Classics in Late Nineteenth-

Century America," Annual Meeting of the Classical Association of the Atlantic States, Baltimore, October 2011

J.P. Dexter, "The Crafting of Vergil's Orpheus: Phanocles and *Georgics* 4.507-27," Annual Meeting of the Classical Association of New England, Providence, March 2010

J.P. Dexter, "The Reception of Phanocles at Vergil, *Georgics* 4.507-27," Annual Meeting of the Classical Association of the Atlantic States, Wilmington, October 2009

Posters

P.J. Burns,* J.A. Brofos, K. Li, P. Chaudhuri,* and **J.P. Dexter**,* "Profiling of Intertextuality in Latin Literature Using Word Embeddings," 2021 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies, June 2021 (virtual)

T.J. Bolt., J.H. Flynt, P. Chaudhuri, and **J.P. Dexter**,* "A Stylometry Toolkit for Latin Literature," 2019 Conference on Empirical Methods in Natural Language Processing and the 9th International Joint Conference on Natural Language Processing (EMNLP-IJCNLP), Hong Kong, November 2019

T.E. Gianitsos,* T.J. Bolt, P. Chaudhuri, and **J.P. Dexter**,* "Stylometric Classification of Ancient Greek Literary Texts by Genre," 3rd Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature, Minneapolis, June 2019

J.P. Dexter,* P.S. Ward, T. Dasgupta, A.M. Hosios, J. Gunawardena, and M.G. Vander Heiden, "2-hydroxyglutarate production by mutant isocitrate dehydrogenase is independent of substrate channeling but sensitive to compartment-specific metabolite levels," Biophysical Society 60th Annual Meeting, Los Angeles, February 2016

-Published abstract: *Biophysical Journal* **110** (2016) 145a

DIGITAL PROJECTS

Quantitative Criticism Lab **2014-present**
Co-founder and co-director (with Pramit Chaudhuri)
www.qcrit.org

TEACHING

Dartmouth College **Spring 2019, Spring 2020**
Instructor
Classical Studies 10.09/Quantitative Social Science 30.12: Quantitative Literary Criticism

Harvard University **Fall 2016**
Teaching Fellow
Human Evolutionary Biology 1290: Cultural Evolution (Instructor: Joseph Henrich)

Research Science Institute **2011-2020**
Research Mentor (2014, 2016-2017, 2020), Tutor (2012-2015), Teaching Assistant (2011)

MENTORSHIP OF STUDENT RESEARCH

Graduate students: Zafeirios Adramerinas (Ph.D., University of Texas at Austin, 2021-2024), Anna Papile (Ph.D., University of Texas at Austin, 2021-2024), Aleksandr Fedchin (Ph.D., Tufts University, 2020-2024), Elizabeth Adams (Ph.D., University of Texas at Austin, 2017-2022), James Brofos (Ph.D., Yale University, 2019-2020), Kun Yuan (M.S., Dartmouth College, 2019-2020), T.J. Bolt (Ph.D., University of Texas at Austin, 2017-2020), Efthimios Tim Gianitsos (M.S., Stanford University, 2019), Adriana Cásarez (M.S.I.S., University of Texas at Austin, 2015-2018)

Undergraduate students: Ella Foes (2022-2023, University of Alabama), Paulina Payne (2022-2023, University of Virginia), Vera Poyraz (2022-2023, Brown University), Isuru Abeysekara (2020, Dartmouth College), Michelle Sun (2020, Dartmouth College), Naina Bhalla (2019-2020, Dartmouth College), Elizabeth Rego (2019-2020, University of Texas at Austin), Aleksandr Fedchin (2018-2020, Bard College), Efthimios Tim Gianitsos (2018, University of Texas at Austin), Elias Sanchez (2018, University of Texas at Austin), Alvin Deng (2017, University of Texas at Austin), Jeffrey Flynt (2017, University of Texas at Austin), Max Grether (2017, University of Texas at Austin), Eric Rincon (2017, University of Texas at Austin), Daniela Perry (2016, Cornell University), Bailey Miller (2015-2016, Dartmouth College), Caleb Caldwell (2015, Dartmouth College), Jorge Bonilla Lopez (2014-2016, Dartmouth College), Lea Schroeder (2014-2016, Dartmouth College), James Brofos (2014-2015, Dartmouth College), Ajay Kannan (2014-2015, Dartmouth College)

High School students: Bihan Dasgupta (2021-2023), Sarah Chen (2020, RSI), Kyle Li (20192020), Zen Grether (2017-2018), Daniel Michael (2017, RSI), Michelle Yakubek (2017, RSI), Prathik Naidu (2016-2017), Tom Dienes (2016, RSI), Krithika Iyer (2016, RSI), Theodore Katz (2014, RSI)

SERVICE AND OUTREACH

Peer reviewer **2015-2024**
Journals: *Humanities & Social Sciences Communications* (2024), *Universal Access in the Information Society* (2023), *Journal of Open Humanities Data* (2023), *iScience* (2023), *Advances in Clinical Neuroscience and Rehabilitation* (2021), *Vaccine* (2021), *JAMA Network Open* (2020), *Digital Scholarship in the Humanities* (2019, 2021), *Greek, Roman, and Byzantine Studies* (2019), *FEBS Letters* (2018), *Biophysical Journal* (2015)

Conferences: ACL Rolling Review (2021-2024), EACL (2023), ACL (2021-2022), NAACL

(2021), EMNLP (2020, 2023)

Grants: Harvard Data Science Postdoctoral Fellow Research Fund (2021-2023), Icelandic Research Fund (2020)

Admissions committees **2021-2024**
Research Science Institute (2021-2024)
Master's in Data Science, Harvard University (2023-2024)

Conference organization **2019-2022**
Co-organizer with Pramit Chaudhuri of "Digital Humanities Beyond Modern English: Computational Analysis of Premodern and Non-Western Literature"
Part 1: April 23-25, 2019 (Dartmouth College)
Part 2: April 6-8, 2022 (University of Texas at Austin)

Systems Biology Ph.D. Program, Harvard University **2016**
Student recruitment

Community House, Princeton University **2010-2013**
Member of the Executive Board and Project Coordinator for science outreach

SELECTED MEDIA COVERAGE

F. Kritz, "How Medical Jargon Can Make COVID Health Disparities Even Worse," *NPR*, May 24, 2021

J. Frazier, "Can a Cell Make Decisions?" *Scientific American*, May 22, 2021

S. Kominers, "CDC's Virus Messaging Is Too Complicated to Trust," *Bloomberg*, October 1, 2020

L. Mascarenhas, "Coronavirus websites usually go over people's heads, study finds," *CNN*, August 20, 2020

A. Rodriguez, "Many Americans may not comprehend COVID-19 information as agencies fail to meet health literacy guidelines, study says," *USA Today*, August 18, 2020

R. Williams, "Single-Celled Organism Appears to Make Decisions," *The Scientist*, December 5, 2019

T. Anderson, " 'Beowulf' is bloody, canonical, and long—and one person wrote it, scholars say," *The Boston Globe*, April 11, 2019

"The Times view on Beowulf: Epic Discovery," *The Times*, April 9, 2019

N. Davis, "Beowulf the work of single author, research suggests," *The Guardian*, April 8, 2019

K. Jiang, "A Closer Read," *Harvard Medicine*, Autumn 2017

SELECTED AWARDS

Outstanding Reviewer, Association for Computational Linguistics, 2021
John J. Keaney Thesis Prize, Princeton University, 2013
Sigma Xi, Princeton University, 2013
Finalist, Gates Cambridge Scholarship, 2013
John J. Winkler Memorial Prize, 2011
Quin Morton Essay Prize, Princeton University, 2010
Phyllis B. Katz Prize, 2010
United States Presidential Scholar, 2009
Semifinalist, Intel Science Talent Search, 2009
National Merit Scholar, 2009
Robert C. Byrd Honors Scholarship, 2009
Research Science Institute Scholar, 2008