***CURRICULUM VITAE***

**James Tabery**

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| **EMPLOYMENT HISTORY** |

**Professor, Department of Philosophy, University of Utah** 2021—Present

* Associate Professor, Department of Philosophy, University of Utah 2013—2021
* Assistant Professor, Department of Philosophy, University of Utah 2007—2013

**Member, Center for Health Ethics, Arts, and Humanities, U. of Utah** 2007—Present

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| **EDUCATION** |

**University of Pittsburgh, Pittsburgh, PA**

PhD, History and Philosophy of Science (2007)

MA, Interdisciplinary Master of Arts in Bioethics (2007)

**Fairfield University, Fairfield, CT**

BS, Biology (2000)

BA, Philosophy (2000)

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| **PUBLICATIONS** |

**Monographs**

1. Tabery, James (August 2023), *Tyranny of the Gene: Personalized Medicine and Its Threat to Public Health*. New York, NY: Alfred A. Knopf.
2. Tabery, James (2014), *Beyond Versus: The Struggle to Understand the Interaction of Nature and Nurture*. Cambridge, MA: The MIT Press.

* For reviews, see *Acta Biotheoretica* (by David S. Moore), *The* *American Journal of Bioethics* (by Kathryn Tabb), *Choice* (by R. C. Robinson), *History and Philosophy of the Life Sciences* (by Marion Blute), *International Journal of Epidemiology* (by Marcus Munafò, Michael Rutter, and Neven Sesardic), *International Studies in the Philosophy of Science* (Jana Švorcová), *Journal of Evaluation in Clinical Practice* (Serife Tekin), *Isis: A Journal of the History of Science Society* (by Nadine Weidman), *Journal of the History of Biology* (by Stefan Linquist), *Journal of the History of the Behavioral Sciences* (Anne C. Rose), *Notre Dame Philosophical Reviews* (by Jonathan Michael Kaplan), *PsycCRITIQUES* (by Eric P. Charles), *Studies in History and Philosophy of Biological and Biomedical Sciences* (by Peter Taylor), *Theoretical Medicine and Bioethics* (Leonardo Nepi), *The Review of Metaphysics* (by John Safranek).

**Articles**

1. Tabery, James, Nicole L. Novak, Lida Sarafraz, and Aubrey Mansfield (2023), “Victims of Eugenic Sterilisation in Utah: Cohort Demographics and Estimate of Living Survivors”, The Lancet Regional Health—Americas. <https://doi.org/10.1016/j.lana.2023.100436>
   * Media Coverage (Insider): <https://www.businessinsider.com/eugenics-utah-sterilized-children-rape-victims-study-2023-2>
   * Media Coverage (*The Salt Lake Tribune*): <https://www.sltrib.com/news/politics/2023/02/15/least-830-people-were-forcibly/>
   * Media Coverage (abc4 News): <https://www.abc4.com/news/digital-exclusives/u-of-u-study-recounts-horrifying-history-of-forced-sterilizations-in-utah-due-to-eugenics-1925-to-1974/>
2. Brown, Teneille R., Leslie P. Francis, and James Tabery (2021), “Should We Discriminate Among Discriminations?”, *Saint Louis University* *Journal of Health Law & Policy* 14: 359-390.
3. Brown, Teneille R., Leslie P. Francis, and James Tabery (2021), “Teneille R. Brown, Leslie P. Francis, and James Tabery Respond”, *The Hastings Center Report* 51: 43.
4. Brown, Teneille R., Leslie P. Francis, and James Tabery (2021), “When Is Age-Choosing Ageist Discrimination?”, *The Hastings Center Report* 51: 13-15.
5. Brown, Teneille R., Leslie P. Francis, and James Tabery (2020), “Embedding the Problems Doesn’t Make Them Go Away”, *American Journal of Bioethics* 20: 109-111.
6. Tabery, James (2019), “Genetics”, *The Stanford Encyclopedia of Philosophy*, Edward N. Zalta (ed.). Available online at: <https://plato.stanford.edu/entries/genetics/>
7. Tabery, James, Monika Piotrowska, and Lindley Darden (2019), “Molecular Biology”, *The Stanford Encyclopedia of Philosophy*, Edward N. Zalta (ed.). Available online at: <http://plato.stanford.edu/entries/molecular-biology/>
8. Brown, Teneille R., James Tabery, and Lisa G. Aspinwall (2016), “Understanding Validity in Empirical Legal Research: The Case for Methodological Pluralism in Assessing the Impact of Science in Court”, *Hastings Law Journal* 67: 1067-1086.
9. Craver, Carl and James Tabery (2015), “Mechanisms in Science”, *The Stanford Encyclopedia of Philosophy*, Edward N. Zalta (ed.). Available online at: <http://plato.stanford.edu/entries/science-mechanisms/>
10. Tabery, James (2015), “Debating Interaction: The History, and an Explanation”, *International Journal of Epidemiology* 44: 1117-1123. (This is a target article, with commentaries by Sir Michael Rutter, Neven Sesardic, and Marcus Munafò, and my reply.)
11. Tabery, James (2015), “Author’s Reply: Considerations of Context, Distractions by Politics, and Evaluations of Evidence”, *International Journal of Epidemiology* 44: 1132-1136.
12. Tabery, James and Sahotra Sarkar (2015), “R.A. Fisher, Lancelot Hogben, and the ‘Competition’ for the Chair of Social Biology at the London School of Economics in 1930: Correcting the Legend”, *Notes and Records: The Royal Society Journal of the History of Science* 69: 437-446.
13. Tabery, James (2015), “Why Is Studying the Genetics of Intelligence So Controversial?”, *The* *Hastings Center Report* 45: S9-S14.

* Media coverage (*National Geographic)*: <http://news.nationalgeographic.com/2015/12/151211-genetics-intelligence-racism-science/>
* Media coverage (Quirks and Quarks): <http://www.cbc.ca/radio/quirks/trump-exits-paris-accord-finding-genes-linked-to-intelligence-and-more-1.4143218/we-ve-found-50-genes-for-intelligence-could-that-lead-to-discrimination-1.4143354>

1. Tabery, James (2015), “Nature versus Nurture”, in *The Eugenics Archive*. Available online at: <http://eugenicsarchive.ca/discover/encyclopedia/535eed0d7095aa0000000241>.
2. Tabery, James (2014), “Genetics”, in *The Eugenics Archive*. Available online at: <http://eugenicsarchive.ca/discover/encyclopedia/535eec197095aa000000022c>
3. Griffiths, Paul E. and James Tabery (2013), “Developmental Systems Theory: What Does It Explain, and How Does It Explain It?”, *Advances in Child Development and Behavior 44*: 65-94.
4. Aspinwall, Lisa G., Teneille R. Brown, and James Tabery (2012), “The Double-Edged Sword: Does Biomechanism Increase or Decrease Judges’ Sentencing of Psychopaths?”, *Science* 337(6096): 846-849.

* Media coverage (*National Public Radio)*: <http://www.npr.org/blogs/health/2012/08/17/158944525/would-judge-give-psychopath-with-genetic-defect-lighter-sentence?ps=sh_sthdl>
* Media coverage (*The New York Times)*: <http://www.nytimes.com/2012/08/17/science/brain-evidence-sways-sentencing-in-study-of-judges.html?pagewanted=all>
* Media coverage (*Reuters*): <http://uk.reuters.com/article/2012/08/16/us-science-psychopaths-biology-idUKBRE87F12M20120816>
* Media coverage (*Science*): <http://www.sciencemag.org/content/337/6096/788.summary>
* Media coverage (*Time*): <http://healthland.time.com/2012/08/17/my-brain-made-me-do-it-psychopaths-and-free-will/>

1. Tabery, James (2011), “Commentary: Hogben vs. the Tyranny of Averages”, *International Journal of Epidemiology* 40(6): 1454-1458.
2. Tabery, James (2011), “Hogben, Lancelot”, in *Encyclopedia of the Life Sciences*. Chichester: John Wiley and Sons. Available online at: <http://onlinelibrary.wiley.com/doi/10.1002/9780470015902.a0023110/abstract>
3. Tabery, James (2009), “Interactive Predispositions”, *Philosophy of Science* 76(5): 876-888.
4. Tabery, James (2009), “Difference Mechanisms: Explaining Variation with Mechanisms”, *Biology and Philosophy* 24(5): 645-664.
5. Tabery, James (2009), “Making Sense of the Nature-Nurture Debate (Review of Neven Sesardic, *Making Sense of Heritability*)”, *Biology and Philosophy* 24(5): 711-723.
6. Tabery, James (2009), “From a Genetic Predisposition to an Interactive Predisposition: Rethinking the Ethical Implications of Screening for Gene-Environment Interactions”, *Journal of Medicine and Philosophy* 34(1): 27-48.
7. Tabery, James (2008), “R. A. Fisher, Lancelot Hogben, and the Origin*(s)* of Genotype-Environment Interaction”, *Journal of the History of Biology* 41(4): 717-761.
8. Griffiths, Paul E. and James Tabery (2008), “Behavioral Genetics and Development: Historical and Conceptual Causes of Controversy”, *New Ideas in Psychology* 26(3): 332-352.
9. Tabery, James and Charles W. Mackett (2008), “The Ethics of Triage in the Event of an Influenza Pandemic”, *Disaster Medicine and Public Health Preparedness* 2(2): 114-118.
10. Tabery, James (2007), “Biometric and Developmental Gene-Environment Interactions: Looking Back, Moving Forward”, *Development and Psychopathology* 19(4): 961-976.
11. Tabery, James (2006), “Looking Back on Lancelot’s Laughter: The Lancelot Thomas Hogben Papers, University of Birmingham, Special Collections”, *Mendel Newsletter* 15: 10-17.
12. Tabery, James (2004), “Synthesizing Activities and Interactions in the Concept of a Mechanism”, *Philosophy of Science* 71(1): 1-15.

* Awarded 2004 Philosophy of Science Association Graduate Student Essay Prize

1. Tabery, James (2004), “The ‘Evolutionary Synthesis’ of George Udny Yule”, *Journal of the History of Biology* 37(1): 73-101.
2. Tabery, James (2001), “Marshall Nirenberg: Transition to Neurobiology, 1965-1969”, *Profiles in Science*. Available online at: <http://profiles.nlm.nih.gov/ps/retrieve/Narrative/JJ/p-nid/25>
3. Tabery, James (2001),”Marshall Nirenberg: Neuroblastoma Research, 1967-1976,” *Profiles in Science*. Available online at: <http://profiles.nlm.nih.gov/ps/retrieve/Narrative/JJ/p-nid/64>

**Book Chapters**

1. Downes, Stephen M. and James Tabery (2018), “Variability of Aggression”, in Todd K. Shackelford and Viviana Weeks-Shackelford (Eds.), *Encyclopedia of Evolutionary Psychological Science*. New York, NY: Springer.
2. Matthews, Lucas, and James Tabery (2017), “Mechanisms and the Metaphysics of Causation”, in Stuart Glennan and Phyllis Illari (Eds.), *The Routledge Handbook of Mechanisms and Mechanical Philosophy*. Abingdon, UK: Routledge. Pp. 131-143.
3. Tabery, James (2014), “Can (and Should) We Regulate Neurosecurity?: Lessons from History”, in James Giordano (Ed.), *Neurotechnology in National Security and Defense: Practical Considerations, Neuroethical Concerns*. Boca Raton, FL: CRC Press. Pp. 249-258.
4. Tabery, James (2014), “Identifying the ‘Able’ in a Vari-able World: Two Lessons”, in H-Dirksen L. Bauman and Joseph J. Murray (Eds.), *Deaf Gain: Raising the Stakes for Human Diversity*. Minneapolis: University of Minnesota Press. Pp. 23-36.
5. Tabery, James and Paul E. Griffiths (2010), “Historical and Philosophical Perspectives on Behavioral Genetics and Developmental Science”, in Hood, Halpern, Greenberg, and Lerner (Eds.), *Handbook of Developmental Science, Behavior, and Genetics*. Wiley-Blackwell, pp. 41-60.

**Book Reviews**

1. Tabery, James (2018), “Book Review of *Behaving: What’s Genetic, What’s Not, and Why Should We Care?*, by Kenneth F. Schaffner”, *Philosophy of Science* 85(2): 321-324.
2. Tabery, James (2014), “Pluralism, Social Action, and the Causal Space of Human Behavior” (A Symposium Review of *Studying Human Behavior: How Scientists Investigate Aggression and Sexuality*, by Helen Longino, 2013), *Metascience* 23: 443-459.
3. Tabery, James (2007), “Pearson, the Person” (A Review of *Karl Pearson: The Scientific Life in a Statistical Age*, by Theodore Porter, 2004), *Metascience* 16(1): 143-146.
4. Tabery, James (2006), “Fueling the (In)Famous Fire” (A Review of *Making Sense of Heritability*, by Neven Sesardic, 2005), *Metascience* 15(3): 605-609.
5. Tabery, James and Lisa Parker (2005), “Book Review: *Politics in the Laboratory, The Constitution of Human Genetics*, by Ira H. Carmen, 2004,” *Journal of the American Medical Association* 294(11): 1431-1433.
6. Tabery, James (2002), “No Gene Is an Island…” (A Review of *The Misunderstood Gene*, by Michel Morange, 2001), *Metascience* 11(2): 227-229.

**Opinion/Editorial**

1. Tabery, James (2020), “Your Guide to the Strange World of COVID Conspiracies”, *Perspectives*, 2019-2020, pp. 7-8. Available online at: <https://humanities.utah.edu/perspectives/2020/your-guide-to-covid-conspiracies.php>.
2. Tabery, James (2020), “How to Prepare for the Worst-Case Scenario”, *The Salt Lake Tribune*, 7 April 2020. Available online at: <https://www.sltrib.com/opinion/commentary/2020/04/07/james-tabery-how-prepare/>
3. Tabery, James (2016), “Trump Supporters Need to Renounce the Hate”, *The Salt Lake Tribune*, 16 November 2016. Available online at: <http://www.sltrib.com/opinion/4583132-155/op-ed-trump-supporters-need-to-renounce>
4. Tabery, James (2012), “Science in the Courtroom”, *The Scientist*, 6 November 2012. Available online at: <http://www.the-scientist.com/?articles.view/articleNo/33145/title/Opinion--Science-in-the-Courtroom/>
5. Tabery, James (2012), “Jobless Conspiracy: Judging a Conspiracy Theory”, *The Salt Lake Tribune*, 14 October 2012. Available online at: <http://www.sltrib.com/sltrib/opinion/55051076-82/conspiracy-skepticism-theory-bureau.html.csp>
6. Tabery, James (2012), “What Would Darwin Do?”, *The Salt Lake Tribune*, February 10, 2012. Available online at: <http://www.sltrib.com/sltrib/opinion/53456799-82/darwin-wallace-manuscript-watson.html.csp>.

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| **GRANTS, FELLOWSHIPS, AND AWARDS** |

**Grants**

GURU: Graduate and Undergraduate Researchers of UCEER, National Institutes of Health, National Human Genome Research Institute

* Role: PI
* Dates: 2018-2023
* Grant Category: Diversity Action Plan
* Grant Number: 1R25HG010020-01
* Website: <https://uofuhealth.utah.edu/uceer/guru1.php>

UCEER: Utah Center for Excellence in ELSI Research, National Institutes of Health, National Human Genome Research Institute

* Role: MPI (with Erin Rothwell)
* Dates: 2016-2020 (Co-I), renewed 2020-2024 (MPI)
* Grant Category: Center for Excellence in ELSI Research
* Grant Number: 1RM1HG009037-01
* Website: <https://uofuhealth.utah.edu/uceer/>

**Fellowships, Awards, and Other Support**

Collaborative Fellowship (co-awarded with Carl F. Craver), University College London Institute of Philosophy, Summer 2020 (postponed until summer 2021 due to pandemic)

University Sabbatical, University of Utah, Spring 2017

University Faculty Fellowship, University of Utah, Fall 2016

Virgil C. Aldrich Fellowship in the Humanities, Tanner Humanities Center, University of Utah, Spring 2012

‘Experiment Month’ Selection, Yale University, 2010-2011

Interdisciplinary Research Seed Grant, University of Utah, 2010

Interdisciplinary Travel and Research Grant, University of Utah, 2010, 2012

Andrew W. Mellon Dissertation Research Fellowship, 2004-2005

Philosophy of Science Association Graduate Student Essay Prize for “Synthesizing Activities and Interactions in the Concept of a Mechanism,” 2004

**Teaching Awards**

Ramona W. Cannon Award for Teaching Excellence in the Humanities, University of Utah, 2012

Early Career Teaching Award, University of Utah, 2012

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| **MEDIA APPEARANCES** |

**Television**

1. Utah Researchers Put Spotlight on Black Army Veteran’s Lynching, KUTV, 4 May 2022, available online at: <https://kutv.com/news/belonging-in-utah/utah-researchers-put-spotlight-on-black-army-veterans-lynching>
2. Sema Hadithi Educates, Explores History of Lynching in Utah, KUTV, 27 April 2022, available online at: <https://kutv.com/news/belonging-in-utah/sema-hadithi-educates-explores-history-of-lynching-in-utah>
3. Vaccine Mandates, abc4 News, 27 October 2021, available online at: <https://www.abc4.com/video/discussing-vaccine-mandates-with-u-of-u-prof-jim-tabery/7103709/>
4. COVID-19 Vaccine Passports, abc4 News, 28 April 2021, available online at: <https://www.abc4.com/news/infocus/in-focus-discussion-covid-19-vaccine-passports/>.
5. CRISPR and Genetic Editing, abc4 News, 13 April 2021, available online at: <https://www.abc4.com/news/infocus/in-focus-discussion-crispr-and-genetic-editing/>.
6. COVID-19 Conspiracies: Understanding Them and Combating Them, *Silicon Slopes Live*, 19 May 2020, available online at: <https://www.youtube.com/watch?v=dIzKoNqiy3I>.

**Radio**

1. Nelson, Paul (2020), “Researchers: Both Parties Believe ‘Conspiracy Theories’”, KSL NewsRadio, 27 October 2020, available online at: <https://kslnewsradio.com/1935904/researchers-both-political-parties-believe-conspiracy-theories/>
2. “COVID-19 Conspiracy Theories with Jim Tabery”, *Humanities Radio*, 9 September 2020, available online at: <https://soundcloud.com/u-of-u-humanities/covid-19-conspiracy-theories-with-jim-tabery>.
3. “The Truth About COVID-19”, KVMR 89.5, 25 June 2020, available online at: <https://www.kvmr.org/show/the-truth-about-covid-19/>.
4. “How to Decide Who to Treat During a Pandemic” (2020), *Top of Mind with Julie Rose*, 7 May 2020, available online at: <https://www.byuradio.org/episode/0fbf38db-b090-4234-b7d4-30eb3c6b4ff4/top-of-mind-with-julie-rose-climate-change-migration-curved-universe-vietnam-war>
5. *The Rod Arquette Show*, 13 April 2020, available online at: <https://www.iheart.com/podcast/rod-arquette-show-20686511/episode/rod-arquette-show-ppp-small-biz-61175929/>
6. “Scientists Have Put a Human Brain Gene into Monkeys. Have They Crossed the Line?”, *Quirks and Quarks*, CBC, 20 April 2019, available online at: <https://www.cbc.ca/radio/quirks/april-20-2019-human-brain-genes-in-monkeys-urine-archaeology-evolving-human-faces-and-more-1.5101867/scientists-have-put-a-human-brain-gene-into-monkeys-have-they-crossed-the-line-1.5101890>
7. “We’ve Found 50 Genes for Intelligence. Could That Lead to Discrimination?”, *Quirks and Quarks*, CBC, 3 June 2017, available online at: <http://www.cbc.ca/radio/quirks/trump-exits-paris-accord-finding-genes-linked-to-intelligence-and-more-1.4143218/we-ve-found-50-genes-for-intelligence-could-that-lead-to-discrimination-1.4143354>
8. “Nature, Nurture, Sexuality, & Gender”, *RadioWest*, National Public Radio, 25 August, 2015, available online at: <http://radiowest.kuer.org/post/nature-nurture-sexuality-gender>
9. “Going Beyond Nature Versus Nurture Debate”, *Access Utah*, Utah Public Radio, 9 July 2014, available online at: <http://upr.org/post/going-beyond-nature-versus-nurture-debate-thursdays-access-utah>
10. “The Psychology of Sentencing”, *Academic Minute*, WAMC, 6 December 2012, available online at: <http://www.wamc.org/post/dr-james-tabery-university-utah-psychology-sentencing>
11. “Prisoners as Organ Donors”, *CityViews*, KCPW, 6 November 2012, available online at: <http://kcpw.org/blog/cityviews/2012-11-06/cityviews-11612-prisoners-as-organ-donorslds-earth-stewardship/>
12. “Would Judge Give Psychopath with Genetic Defect Lighter Sentence?”, *Morning Edition*, National Public Radio, 17 August 2012, available online at: <http://www.npr.org/blogs/health/2012/08/17/158944525/would-judge-give-psychopath-with-genetic-defect-lighter-sentence?ps=sh_sthdl>

**Magazine**

1. Lewis-Kraus, Gideon (2021), “Can Progressives Be Convinced That Genetics Matters?”, *The New Yorker*, 6 September 2021, available online at: <https://www.newyorker.com/magazine/2021/09/13/can-progressives-be-convinced-that-genetics-matters>.
2. Starr, Douglas (2018), “Two Psychologists Followed 1000 New Zealanders for Decades. Here’s What They Found Out How Childhood Shapes Later Life.” *Science*, 1 February 2018, available online at: <http://www.sciencemag.org/news/2018/02/two-psychologists-followed-1000-new-zealanders-decades-here-s-what-they-found-about-how>.
3. “Are There Genes for Intelligence—And Is It Racist to Ask?”, *National Geographic*, 11 December, 2015, available online at: <http://news.nationalgeographic.com/2015/12/151211-genetics-intelligence-racism-science/>
4. “Ethics: Taboo Genetics”, *Nature*, 2 October, 2013, available online at: <http://www.nature.com/news/ethics-taboo-genetics-1.13858>
5. “My Brain Made Me Do It: Psychopaths and Free Will”, *Time*, 17 August 2012, available online at: <http://healthland.time.com/2012/08/17/my-brain-made-me-do-it-psychopaths-and-free-will/>
6. “In Mock Case, Biological Evidence Reduces Sentences”, *Science*, 17 August 2012, available online at: <http://www.sciencemag.org/content/337/6096/788.summary>

**Newspaper**

1. Jacobs, Becky (2022), “Though It’s Rarely Used, Utah Still Has a Forced Sterilization Law”, *The Salt Lake Tribune*, 18 August 2022, available online at: <https://www.sltrib.com/news/2022/08/18/though-its-rarely-used-utah/>.
2. Beal-Cvetko, Bridger (2022), “Elon Musk Said He Wants to Make Twitter a Platform for Free Speech. Here’s Why That Might Be Harder Than You Think”, *Deseret News*, 4 May 2022, available online at: <https://www.deseret.com/2022/5/4/23049380/elon-musk-twitter-takeover-free-speech-donald-trump-truth-social-media-conservative-liberal-bias>
3. Beal-Cvetko, Bridger (2022), “Is Misinformation Becoming a Trend on Utah’s Capitol Hill?”, *Deseret News*, 8 February 2022, available online at: <https://www.deseret.com/utah/2022/2/8/22923842/misinformation-conspiracy-theories-utah-legislature-united-nations-salt-lake-city-digital-ids>.
4. Beal-Cvetko, Bridger (2022), “No, This Utah Bill Is Not a UN Ploy to Force the National Guard to Give You a COVID-19 Vaccine”, *Deseret News*, 25 January 2022, available online at: <https://www.deseret.com/utah/2022/1/25/22899890/covid-19-conspiracy-theory-misinformation-vaccines-national-guard-critical-race-theory-donald-trump>.
5. Raymond, Art (2021), “Poll Finds Utahns Cynical about Aliens Flying UFOs; Sen. Romney ‘Fascinated Not Fearful’”, *Deseret News*, 1 July 2021, available online at: <https://www.deseret.com/2021/7/1/22554337/poll-utahns-cynical-about-aliens-ufos-sen-mitt-romney-fascinated-not-fearful-federal-report>.
6. Stevens, Taylor (2021), “Will Utahns Wait Their Turn in Line Once Vaccines Open Up for Those with Underlying Conditions?”, *The Salt Lake Tribune*, 28 February 2021, available online at: <https://www.sltrib.com/news/2021/02/28/will-utahns-wait-their/>.
7. Scribner, Herb (2021), “Is There Meaning Behind the Monoliths?”, *Deseret News*, 14 January 2021, available online at: <https://www.deseret.com/u-s-world/2020/12/6/22152508/utah-monolith-meaning-location-theory-romania-california-andy-lewis-ross-bernards-john-mccracken>.
8. Evans, Erica (2020), “How a Recent Surge in Concern about Child Sex Trafficking Has Links to Online Conspiracy Community QAnon”, *Deseret News*, 12 August 2020, available online at: <https://www.deseret.com/indepth/2020/8/12/21353119/conspiracy-theory-qanon-link-connection-child-sex-trafficking-exploitation-social-media-advocacy>
9. Collins, Lois (2019), “Is America Addicted to Conspiracy Theories?”, *Deseret News*, 14 August 2019, available online at: <https://www.deseret.com/2019/8/14/20802701/jeffrey-epstein-death-conspiracy-theories-trump-clinton-twitter>
10. Avril, Tom (2018), “‘Three Identical Strangers’ and the Real Impact of Nature vs. Nurture”, *The Philadelphia Inquirer*, 14 August 2018, available online at: <https://www.philly.com/philly/health/three-identical-strangers-nature-vs-nurture-genes-environment-20180814.html?__vfz=medium%3Dsharebar>
11. “The Execution of Cecil Clayton and the Biology of Blame”, *The Washington Post*, 18 March 2015, available online at: <https://www.washingtonpost.com/news/morning-mix/wp/2015/03/18/the-execution-of-cecil-clayton-and-the-biology-of-blame/?utm_term=.036914f786b1>
12. “Study of Judges Finds Evidence from Brain Scans Led to Lighter Sentences”, *The New York Times*, 16 August 2012, available online at: <http://www.nytimes.com/2012/08/17/science/brain-evidence-sways-sentencing-in-study-of-judges.html?_r=0>

**Website**

1. Padinka, Melissa (2021), “3 COVID-19 Vaccine Conspiracy Theories, Debunked”, Mic, 12 May 2021, available online at: <https://www.mic.com/p/3-covid-19-vaccine-conspiracy-theories-debunked-77744487>.
2. DeWitt, Kaylee (2021), “No, COVID-19 Vaccine Patients Are Not Being Injected with a Microchip”, abc4 News, 8 February 2021, available online at: <https://www.abc4.com/news/digital-exclusives/no-covid-19-vaccine-patients-are-not-being-injected-with-a-microchip/>.
3. Cheney, Christopher (2020), “4 Ethical Dilemmas for Healthcare Organizations During the Covid-19 Pandemic”, *Health*Leaders, 28 March 2020, available online at: <https://www.healthleadersmedia.com/clinical-care/4-ethical-dilemmas-healthcare-organizations-during-covid-19-pandemic>.
4. Cunningham, Jana (2019), “Nothing About Us Without Us”, @theU, 2 December 2019, available online at: <https://attheu.utah.edu/facultystaff/nothing-about-us-without-us/>.
5. Barras, Colin (2018), “The Controversial Debut of Genes in Criminal Cases”, *BBC*, 30 May 2018, available online at: <http://www.bbc.com/future/story/20180530-the-controversial-debut-of-genes-in-criminal-cases>.
6. “Mindful of Eugenics’ Dark History, Researchers Are Reexamining the Genetics of Social Mobility”, Quartz, 27 July 2017, available online at: <https://qz.com/1035624/150-years-after-the-birth-of-the-eugenics-movement-researchers-are-carefully-dipping-back-into-the-genetics-of-social-mobility/>.
7. Woodall, Angela (2016), “How Can Precision Medicine Change Our Approach to Clinical Trials”, *PRC Clinical*, 28 October 2016, available online at: <https://prcclinical.com/how-can-precision-medicine-change-our-approach-to-clinical-trials/>.
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9. “Biological Psychiatric Problems Garner Less Empathy”, *Reuters*, 5 December 2014, available online at: <http://www.reuters.com/article/us-empathy-psychology-patients-idUSKCN0JJ27G20141205#Xzcgl0hWdglX2yVy.97>
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| **CONFERENCE PRESENTATIONS AND INVITED LECTURES** |

**Conference Presentations**

* “Diagnosing Repugnant Science”, with Lucas Matthews and Eric Turkheimer, Philosophy of Science Association, Pittsburgh, PA, Nov 2022.
* “Weaponizing Genetics: A Brief History of an Old Idea”, American Society for Bioethics and the Humanities, Portland, OR, Oct 2022.
* “The Black Prisoners of Stateville”, with Hannah Allen, American Society for Bioethics and the Humanities, Portland, OR, Oct 2022.
* “The GURU Program: No ELSI About Us, Without Us”, with Aubrey Mansfield, Maya Sabatello, and Leslie Francis, National Human Genome Research Institute’s Irreducible Subjects Symposium, Oct 2022.
* “‘Personalized Medicine’ Wasn’t Personal; ‘Precision Medicine’ Isn’t Precise”, Orange Beach Epistemology Conference, Orange Beach, AL, Oct 2022.
* “Victims of Eugenic Sterilization in Utah: Demographics and Survivor Estimate”, with Nicole Novak, Lida Sarafraz, and Aubrey Mansfield, ELSI Congress, June 2022.
* “The Parallel Lives of the Bead Array”, Society for Philosophy and Technology, Lille France, 28-30 June 2021.
* “COVID-19 Triage Protocols: Implications for Patients with Diabetes”, Virtual International COVID-19 and Diabetes Summit, 26-27 August 2020.
* “ALL OF US Should Be Concerned: What History Says We Should Expect from the Largest Genetics Study in the Nation’s History”, Philosophy of Science Biannual Meeting, Seattle, WA, 3 November 2018. Also presented at:
  + International Society for the History, Philosophy, and Social Studies of Biology, Oslo, Norway, 11 July 2019.
  + PoBaM (Philosophy of Biology at the Mountains), Salt Lake City, UT, 16 May 2018.
* “Book Symposium: *Beyond Versus: The Struggle to Understand the Interaction of Nature and Nurture*, Commentaries by Angela Potochnik, Serife Tekin, and C. Kenneth Waters”, American Philosophical Association Pacific Division, Vancouver, British Columbia, 4 April, 2015.
* “Of Dogs, Daycare, and Discipline: A ‘Genetic Guide to Parenting’?”, American Philosophical Association Pacific Division, San Diego, CA, 16 April, 2014.
* “Gene-Environment Interaction in the 21st Century: Its Rise, Its Fall…Its Rise?”, History of Science Society, San Diego, CA, 16 November 2012. Also presented at:
  + International Society for the History, Philosophy, and Social Studies of Biology biannual meeting, Montpellier, France, 9 July 2013.
* “Testing the Blades of the ‘Double-Edged Sword’: Biological Mechanism Reduces Judges’ Sentencing of Psychopaths” (with Lisa Aspinwall and Teneille Brown), American Association for Psychiatry and the Law, Boston, MA, 27 October 2011. Also presented at:
  + American Society for Bioethics and the Humanities, Minneapolis, MN, 14 October 2011.
  + International Society for the History, Philosophy, and Social Studies of Biology, University of Utah, Salt Lake City, UT, 12 July 2011.
* “Population Thinking about Mechanisms”, Causality in the Biomedical and Social Sciences, Rotterdam, Netherlands, 7 October 2010.
* “Interactive Predispositions,” Philosophy of Science Association biannual meeting, Pittsburgh, PA, 7 November 2008.
* “Mechanisms and Mechanism Differences: Between Proximate and Ultimate Biology,” 3rd Queensland Biohumanities Conference, Brisbane, Australia, 15-17 December 2006.
* “Synthesizing Activities and Interactions in the Concept of a Mechanism,” 4th Athens-Pittsburgh Symposium in the History and Philosophy of Science and Technology, Delphi, Greece, 3 June 2003. Also presented at:
  + 5th Annual Pittsburgh-CMU Graduate Conference in Philosophy, University of Pittsburgh, Pittsburgh, PA, 15-16 March 2003.
* “Genotype-Environment Interaction in the IQ Controversy,” History of Science Society Annual Meeting, Minneapolis, MN, 3-6 November 2005.
* “R.A. Fisher, Lancelot Hogben, and the Origin*(s)* of Genotype-Environment Interaction,” British Society for the History of Science Annual Meeting, University of Leeds, Leeds, UK, 15-17 July 2005. Also presented at:
  + International Society for the History, Philosophy, and Social Studies of Biology Bi-annual Meeting, University of Guelph, Guelph, ON, 13-17 July 2005.
  + Canadian Society for the History and Philosophy of Science Annual Meeting, University of Western Ontario, London, ON, 29-31 May 2005.
  + *Beyond Dichotomies, Across Boundaries: Interdisciplinary Investigations of Dynamic Interactions in Biological and Social Sciences*, University of Minnesota, Minneapolis, MN, 14-17 April 2005.
* “The ‘Evolutionary Synthesis’ of George Udny Yule,” 46th Midwest JUNTO for the History of Science Conference, University of Minnesota, Minneapolis, MN, 5 April 2003.

**Invited Lectures**

* “Victims of Eugenic Sterilization in Utah: Demographics and Survivor Estimate”, with Nicole Novak, Lida Sarafraz, and Aubrey Mansfield, University of Utah Internal Medicine Grand Rounds, Salt Lake City, UT, Feb 2022.
* “Salt Lake County Community Remembrance Project”, Utah Black History Conference, Salt Lake City, UT, 9 October 2021.
* “‘Personalized Medicine’ Wasn’t Personal; ‘Precision Medicine’ Isn’t Precise”, Philosophy in Biology and Medicine, University of Bordeaux, 15 December 2020. Also presented at:
  + Institute of Philosophy, University of London, London, UK, July 2022.
* “COVID Conspiracies: How We Got Here, Where We’re Going”, COVID-19 Flash Talks, University of Utah, 8 January 2021.
* “What Makes Social-Behavioral Genomics *Particularly* Worrisome?”, Wrestling with Social-Behavioral Genomics: Risks, Potential Benefits, and Ethical Responsibility Workshop, New York, 16 December 2019.
* “ALL OF US Should Be Concerned: What History Says We Should Expect from the Largest Genetics Study in the Nation’s History”, University of Pittsburgh, Pittsburgh, PA, 1 April 2019. Also presented at:
  + Genetics and Human Agency, Charlottesville, VA, 9 May 2019.
* “Neuro-genetics in the Courtroom: What Have We Learned from a Decade of Experimental Research?”, Center for Research on Ethical, Legal, and Social Implications of Psychiatric, Neurologic, and Behavioral Genetics, Columbia University, 11 April 2016. Also presented at:
  + Center for Interdisciplinary Research, University of Bielefeld, 24 May 2016.
  + Penn State Lehigh Valley, 3 October 2016.
  + Wichita State University, 11 November 2016.
* Collins’ Cohort: The Path from Human Genome Project to Precision Medicine Initiative, University of Virginia, 25 March 2016. Also presented at:
  + Columbia University, 15 September 2016.
* “Probing the Genetics of Intelligence: A Field-Guide to the Controversies”, The Hastings Center, 4 December, 2015.
* “Understanding the Impact of Science in the Courtroom: The Case for Methodological Pluralism”, Victoria University at Wellington, 12 August, 2015.
* “A Tale of Two Techniques: G×E and GWAS”, National Human Genome Research Institute, 29 April, 2015.
* “Of Dogs, Daycare, and Discipline: A ‘Genetic Guide to Parenting’?”, Columbia University, 7 January, 2015. Also presented at:
  + University of Arkansas for the Medical Sciences, 7 January, 2014.
  + Personalized Health Program, University of Utah, 27 January, 2014.
  + Washington University, St. Louis, 5 February, 2014.
* “Why is Investigating the Genetics of Intelligence So Controversial?”, The Hastings Center, 6 November 2014.
* “Promising Questions at the Intersection of Philosophy and Behavioral Genetics”, Templeton Foundation Workshop on Philosophy and Behavior Genetics, Miami, FL, 1 November, 2014.
* “Gene-Environment Interaction in the 21st Century: It’s Rise, It’s Fall…It’s Rise?”, Nurturing Genetics Workshop, University of Leeds, 1 July 2014. Also presented at:
  + Center for Philosophy of Science, University of Pittsburgh, 26 February, 2013.
  + Duke University, 18 February 2013.
  + 50th Anniversary Commemoration of R.A. Fisher, The Royal Statistical Society, London, UK, 7 June 2012.
  + Passing on Genes?: Looking for Heritability in the Post-Genomic Era, Institute for Society and Genetics, University of California, Los Angeles, Los Angeles, CA, 2 March 2012.
* “Testing the Blades of the ‘Double-Edged Sword’” (with Lisa Aspinwall and Teneille Brown), Florida International University, Miami, FL, 22 March 2012. Also presented at:
  + University of Arkansas at Little Rock, Little Rock, AR, 30 September 2014.
  + Annual Phi Beta Kappa lecture, University of Utah, Salt Lake City, UT, 12 April 2012.
* “Can (and Should) We Regulate Neurosecurity?: Lessons from the History of Science, the Military, and Regulation”, Ethical Issues in the Use of Neuroscience and Neurotechnology in National Defense (NELSI-3), Fairfax, VA, 25 February 2011.
* “A ‘Genetic Predisposition to Violence’?”, American College of the Caribbean, Netherland Antilles, St. Maarten, 21 November 2011. Also presented at:
  + Potomac Institute, Washington, DC, 22 October 2010.
* “Identifying the ‘Able’ in a Vari-able World: A Call to Caution”, Gallaudet University, Washington, DC, 26 October 2010.
* “Interactive Predispositions: From IQ Controversy to Genetic Screening”, University of Maryland, College Park, MD, 13 May 2009.
* “Genotype-Environment Interaction in the IQ Controversy,” Washington University—St. Louis, St. Louis, MO, 25 March 2009.
* “Difference Mechanisms”, Future Directions in Genetic Studies (ISHPSSB Off-Year Workshop), University of Washington—St. Louis, St. Louis, MO, 9 August 2008. Also presented at:
  + University of California, San Diego, San Diego, CA, 8 October 2007.
* “From a Genetic Predisposition to an Interactive Predisposition: Rethinking the Ethical Implications of Screening for Gene-Environment Interactions”, University of Nevada—Las Vegas, Las Vegas, NV, 8 February 2008. Also presented at:
  + University of Dayton, Dayton, OH, 22 January 2007.
  + University of Utah, Salt Lake City, UT, 29 January 2007.
  + Southern Illinois University, Edwardsville, Edwardsville, IL, 1 February 2007.
  + University at Albany, Albany, NY, 7 February 2007.
* “Causes of Development, Causes of Variation…Causes of Controversy,” Pomona College, Claremont, CA, 13 February 2007. Also presented at:
  + Rice University, Houston, TX, 17 January 2007.
* “What Is Genotype-Environment Interaction?,” Na-Nu (Nature-Nurture) Symposium, University of Indiana, Bloomington, IN, 23-25 March 2007.
* “Pandemic Flu: Lessons from the Past, Preparing for the Future,” Muhlenberg College, Allentown, PA, 27 November 2006. Also presented at:
  + VHA Pennsylvania Physician Leaders Forum, Harrisburg, PA, 21 November 2006.
  + Bioethics and Health Law Grand Rounds, University of Pittsburgh, Pittsburgh, PA, 28 September 2006.
* “Critiquing the Analysis of Variance: The Argument from Genotype-Environment Interaction,” EGenIS, University of Exeter, Exeter, UK, 14 September 2004.

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| **TEACHING PHILOSOPHY: MAKING PHILOSOPHY *PERSONAL* AND *PRACTICAL*** |

People from all walks of life encounter philosophical problems every day: the person who hears somebody utter a racial microaggression and then struggles with what to say, the molecular biologist who must decide whether a data point is an outlier to be dismissed or a genuine refutation of her theory, the physician who must decide which patient is most appropriate for a hospital’s last ventilator during a pandemic. Philosophy, unfortunately, can have bad reputation. It’s often caricatured as too abstract, too nebulous, too obscure. My goal as a philosopher is to combat that caricature by making philosophy *personal* and *practical*—by drawing attention to the philosophical problems that philosophers and non-philosophers alike encounter and by providing the philosophical tools to work through those problems.

My position as a professor of philosophy offers me access to a great diversity of students: undergraduate students who are taking their first philosophy class, graduate students in philosophy hoping to enter the profession, medical students who are required to take a class in ethics. Despite this diversity, I bring the same goal of making philosophy personal and practical to all. For example, in an undergraduate class on the science of race and racism, I make the philosophical problem personal by focusing on how issues like stereotype, implicit bias, racial health disparities, the history of violent racism, and racial dehumanization have played out in Utah generally and at the University of Utah specifically. We discuss, for example, the history of lynchings in the state, data on instances of racial bias reported at the university, and the complicated history between the LDS Church and matters of race. To make the philosophical problems practical, we focus on matters like: how to effectively respond to a microaggression, how to combat one’s own implicit biases, how to identify and defuse language that dehumanizes, and how to make sense of a personal DNA ancestry report.

Medical students and graduate students in the sciences who are required to take a medical ethics or a research ethics class (respectively) present a very different population of learners. These students often come to the class begrudgingly because ethics is being “forced on them”. But making the material personal and practical quickly wins them over. These classes are typically quite large (100+) and so I look for opportunities to draw students into class discussions about topics that they will encounter or may have encountered already—picking a mentor, navigating an authorship dispute, deciding how to allocate an organ. We then utilize philosophical ideas and tools to address those issues—theories of justice, principles of transparency and fairness, methods for evaluating both intentions and consequences.

Finally, philosophical problems are not confined to the university campus; the wider community also encounters them. As a result, I look for opportunities to make philosophy personal and practical for a public audience whenever possible. In spring 2020, as the COVID-19 pandemic was spreading across the globe, hospitals announced their plans for ethically triaging patients when medical resources became scarce, and those plans were occasionally met with misguided criticism about efforts to “decide who lives and who dies”. As a result, I published an op-ed in *The Salt Lake Tribune* explaining the rationale, process, and ethics of triage.

Philosophical problems are all around us. By making philosophy personal and practical, I aim to convey this reality and to provide the philosophical tools for dealing with it.

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| **TEACHING EXPERIENCE AND TEACHING SERVICE** |

**Courses Taught (University of Utah)**

Advanced Bioethics: Healthcare and the Gene (Spring 2023)

History and Philosophy of Science (Fall 2021)

Philosophy of Race (Spring 2021, Fall 2022)

The Science of Race and Racism (Spring 2018, Spring 2019, Spring 2020)

Medical Humanities (Fall 2013, Spring 2014, Fall 2015, Spring 2016)

Proseminar: Metaphysics and Epistemology (Fall 2020)

Philosophy of Science (Spring 2012)

Theory of Knowledge: Cranks, Conspiracies, and Climate Change (Fall 2011, Fall 2012, Fall 2013, Spring 2015)

Research Ethics (Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012, Fall 2013, Fall 2015, Spring 2016, Fall 2017, Spring 2018, Fall 2018)

Philosophy of Biology: Philosophy and the Psychopath (Spring 2010, Spring 2011)

Bioethics (Spring 2008, Fall 2008, Fall 2010, Fall 2019)

Science and Society (Fall 2007, Spring 2009, Fall 2009)

Topics in the Philosophy of Science: Genetics: (Fall 2007)

Undergraduate Research Opportunities Program (UROP)

* Ethics of Genetic Screening, with Roger Aboud (Spring 2009-Fall 2009).
* Legally But Not Morally Responsible Psychopaths, with Gabriela Cash (Fall 2011-Spring 2012).

Independent Study: Philosophy of Epigenetics, with Eric Hu (Fall 2008)

**Teaching Philosophy Outside of the Philosophy Classroom (University of Utah)**

School of Medicine (medical students): Theories of Justice, Research Ethics, Informed Consent, Ethics in a Time of Disaster, Conflicts of Interest, Personalized Medicine

Genetic Counseling Program (genetic counseling students): Genetic Counseling and the Shadow of Eugenics

School of Medicine Clinical Research Center: Research Misconduct, Research Involving Non-Human Animals, Data Management, Authorship, Conflicts of Interest, Science and Society

Undergraduate Research Mentor Development Program (faculty and graduate students): Mentoring Ethics

Research Administration Training Series (faculty, staff, and graduate students): Classic Cases of Responsible and *Ir*responsible Conduct of Research

Academic Associates Program (undergraduate students): Human Research Ethics

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| **SERVICE** |

**Department of Philosophy**

Associate Chair (2017-2018)

RPT Committee (2013, 2014, 2020)

Undergraduate Committee (2014-2015)

Graduate Committee (2007-2013, 2015-2016, 2019)

Director of Job Placement (2007-2012, 2022-2023)

Hiring Committee (2010-2011, 2011-2012, 2012-2013, Chair: 2013-2014, Chair: 2015-2016, Chair: 2017-2018, Chair 2019-2020)

**College of Humanities**

Co-Chair Dean Search (2021)

Authorship Dispute Ad Hoc Committee (2019)

Ramona Cannon Award for Teaching Excellence in the Humanities Committee (2013-2017)

Linguistics Department Chair Search (2015-2016, 2016-2017)

College of Humanities, College RoadMap Committee (2016)

**University of Utah**

Learning Outcomes Assessment Committee (2015-2017)

Student Course Feedback Committee (2015-2017)

General Education Curriculum Committee (2011-2015)

**Academic Community**

Working Group Member: Wrestling with Social-Behavioral Genomics: Risks, Potential Benefits and Ethical Responsibility, The Hastings Center and Geisinger Health (2019-2022).

Organizing Committee Member: The 5th ELSI Congress 2020, June 15-17, 2020.

Selection Panel Member: Andrew W. Mellon Sawyer Seminar Series (2018-2020).

Co-Organizer: Frontiers in Precision Medicine II: Cancer, Big Data, and the Public, University of Utah, December 1-2, 2016.

Advisory Committee: Genetics and Human Agency, John Templeton Foundation Initiative (2015-2019).

Co-Organizer: Reductionism and Integration, Bioethics and Behavior: A Conference Celebrating the Career of Kenneth F. Schaffner, University of Pittsburgh, September 22-23, 2016.

Philosophy of Science Association 2016 Biannual Meeting Program Committee, November 3-5, 2016.

*Stanford Encyclopedia of Philosophy*, Subject Area Co-editor—Philosophy of Biology, 2013—present.

Operations Committee: International Society for the History, Philosophy, and Social Studies of Biology, 2011-2013.

Local Organizing Committee (with Matthew Haber): International Society for the History, Philosophy, and Social Studies of Biology biannual meeting, Salt Lake City, UT, July 10-14, 2011.

Co-Organizer: 6th Annual CMU-Pittsburgh International Graduate Philosophy Conference, 2004

Co-Organizer: University of Pittsburgh Grad-Expo, 2003

Referee: *Acta Biotheoretica*; *British Journal for the Philosophy of Science*; *Philosophy of Science*; *Erkenntnis*; *Biological Theory*; *European Journal for the Philosophy of Science; International Studies in the Philosophy of Science*; *Biology and Philosophy*; *Journal of Medicine and Philosophy*; *Journal of the History of Biology*; *Philosophy, Ethics, and Humanities in Medicine*; *The Historical Journal*; *Studies in the History and Philosophy of Biological and Biomedical Sciences*; *Behavior Genetics*; Cambridge University Press; Oxford University Press; National Science Foundation; Israel Science Foundation

**Wider Community**

Sema Hadithi Foundation (2021—present)

Salt Lake County Community Remembrance Project (2021-2022)

Consultant on Ethics of Triage during COVID-19 Pandemic (2020)

* State of Utah Crisis Standards of Care Task Force
* Intermountain Medical Center Hospital Crisis Triage Officer Team
* University of Utah Hospital Ethics Committee

Committee Member: Health Data Committee, Department of Health, State of Utah (2012—2015).