

J. Benjamin Hurlbut

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Education

Harvard University, Ph.D. 2010, History of Science

Stanford University, A.B. 2001 (with distinction), Classics, minor in History

Academic Positions

- 2010- Assistant Professor, School of Life Sciences, Arizona State University;
Affiliate, School for the Future of Innovation in Society
- Summer 2013 Visiting Scholar, Stanford University, Program on Science, Technology and
Society
- 2009-2010 Research Fellow, Program on Science, Technology and Society, John F.
Kennedy School of Government, Harvard University
Lecturer, Department of History of Science, Harvard University

Publications

Books:

1. Hurlbut, J.B., *Experiments in Democracy: Human Embryo Research and the Politics of Bioethics* (New York: Columbia University Press, in press, forthcoming, 2016.)
2. **Hurlbut, J.B.** and H. Tirosh-Samuelson, *Perfecting Human Futures: Transhuman Visions and Technological Imaginations*, (Dordrecht: Springer, 2016), 362 pages.

Peer Reviewed Articles and Book Chapters

1. Hilgartner, S., Prainsack, B. and **Hurlbut J.B.** “Ethics as Governance in Genomics and Beyond,” in Felt et al ed. *The Handbook of Science and Technology Studies, fourth edition.* (Cambridge: MIT Press, in press, forthcoming 2017).

2. Miller, C.A., Ross, H., Bennett, G. & **Hurlbut, J.B.**, “The Ethics of Ubiquitous Computing in Healthcare.” in M. Eshaghian-Wilner, ed. *Wireless Computing in Medicine: From Nano to Cloud with Legal and Ethical Aspects*. (New York: Wiley, 2016) .
3. Boenig-Liptsin, M., & **Hurlbut, J.B.** “Technologies of Transcendence and the Singularity University.” In J.B. Hurlbut & H. Tirosh-Samuels (Eds.), *Perfecting Human Futures: Transhuman Visions and Technological Imaginations*. (Dordrecht: Springer, 2016). 239-268.
4. Tirosh-Samuels, H & **Hurlbut, J.B.** “Technology, Utopianism and Eschatology.” In J.B. Hurlbut & H. Tirosh-Samuels (Eds.), *Perfecting Human Futures: Transhuman Visions and Technological Imaginations*. (Dordrecht: Springer, 2016), 1-32.
5. Hurlbut, J. B. “Promising Waste: Biobanking, Embryo Research, and Infrastructures of Ethical Efficiency.” *Monash Bioethics Review*, 33(4) (December, 2015): 301–24.
6. Jasanoff, S, **Hurlbut, J.B.** & Saha, K. “CRISPR Democracy” *Issues in Science and Technology*, (Fall 2015), 25-32.
7. Hurlbut, J. B. “Limits of Responsibility: Genome Editing, Asilomar, and the Politics of Deliberation.” *Hastings Center Report*, 45(5), (2015) 11–14.
8. Hurlbut, J. B. “Remembering the Future: Science, Law and the Legacy of Asilomar.” in ed. Jasanoff S. and Kim, S. *Dreamscapes of Modernity: Sociotechnical Imaginaries and the Fabrication of Power*, (Chicago: University of Chicago Press, 2015) 126-151.
9. Hurlbut, J. B. “Technologies of Imagination: Secularism, Transhumanism and the Idiom of Progress.” In ed. Yerxa, D. *Religion and Innovation: Antagonists or Partners?* (London: Bloomsbury, 2015), 213-228.
10. Hurlbut, J. B. “Religion and Public Reason in the Politics of Biotechnology.” *Notre Dame Journal of Law, Ethics and Public Policy*, (Spring 2015), 423-452.
11. Hurlbut, J. B. “Reimagining responsibility in synthetic biology.” *Journal of Responsible Innovation*, 2(1), (2015), 113–116.
12. Hurlbut J.B. and Robert, J.S. “Stem Cells, Science and Public Reason.” *Journal of Policy Analysis and Management*, 31(3), (2012), 707-714.
13. Hurlbut J.B and Robert, J.S. “Good Governance Connects Science and Society.” *Journal of Policy Analysis and Management*, 31(3), (2012), 722-726.
14. Saha, K & **Hurlbut, J.B.**, “Disease Modeling Using Pluripotent Stem Cells: Making Sense of Disease from Bench to Bedside.” *Swiss Medical Weekly* 2011; 141:w13144.

Invited Editorials and Short Essays

1. Hurlbut, J.B. "The Demands of CRISPR'S World." *Ethics & Medics*, 41(4) (April 2016), 1-2.
2. Hurlbut, J.B. "IRBs and germline editing research: The outer limits of oversight." *IRB Advisor*, April, 2016, 46-47.
3. Hurlbut, J. B., Jasanoff, S., & Saha, K., Human Genetic Engineering Demands More Than a Moratorium. *The Guardian*. London. (April 7, 2015)
<http://www.theguardian.com/science/political-science/2015/apr/07/human-genetic-engineering-demands-more-than-a-moratorium>.
4. Hurlbut, J. B. "Synthetic Biology: The Power to Imagine the Future," *Time Magazine Online*, <http://time.com/3419445/if-synthetic-biology-lets-us-play-god-we-need-rules/>.
5. Saha, K. & Hurlbut, J.B. "Occupy Science?" *The Scientist*, (2011). <http://the-scientist.com/2012/01/24/opinion-occupy-science/>, (invited).
6. Saha, K. & Hurlbut, J.B. "Research Ethics: Treat Donors as Partners in Biobank Research." *Nature* 478, 312–313 (2011).

Encyclopedia Articles

1. Hurlbut, J.B. "Stem Cell Research." in H. Slotten ed. *The Oxford Encyclopedia of American Scientific, Medical, and Technological History* (New York: Oxford University Press, 2014).

Invited Lectures and Presentations

International

1. "Science and Technology Studies." Harvard University Institute for Global Law and Policy Workshop, Madrid, Spain, July 22, 2014.
2. Hermeneutics of Technology Assessment, Institute of Technology Assessment and Systems Analysis, Karlsruhe Institute of Technology, Karlsruhe, Germany, January 21-22, 2016.
3. "Assembling Knowledge without Borders: the Science of Pandemic Preparedness." *Data Associations in International Law*, University of New South Wales Law School, Sydney, Australia, December 10-12, 2015.
4. "Appropriate(d) Governance: Democracy, Deliberation, and the Legacy of Asilomar." Genome on Demand: Exploring the Implications of Human Genome Editing, convened by the Health Council of the Netherlands & Netherlands Commission on Genetic Modification, Amsterdam, The Netherlands, November 5-6, 2015.

5. “Science and Governance at the Frontiers of Life.” Brocher Foundation, Geneva, Switzerland, July 9, 2015.
6. “Global Science and Technology Studies.” Harvard Law School Institute for Global and Policy, Doha, Qatar, January 6, 2015.
7. “Promising Waste: Choice, Infrastructure and the Stuff of Progress.” Banking Eggs and Embryos Workshop, Dalhousie University, Halifax, Canada December 4-5, 2014.
8. “Biology and Law” Uses and Abuses of Biology Workshop, Cambridge University, Cambridge, UK, September 21, 2013
9. “Religion, Innovation and Imagination” Religion and Innovation in Human Affairs Workshop, Oxford University, Oxford, UK, July 11, 2013.
10. “Global Science and Technology Studies.” Harvard University Institute for Global Law and Policy Workshop, Doha, Qatar, January 5, 2014.
11. “Self and Society: units of analysis in political theory and the human sciences” EMBL Science and Society Summer School: The Human Animal, European Molecular Biology Laboratory, Heidelberg, Germany, August 4, 2011.
12. “Science, Law and the Legacy of Asilomar” COBINA Project International Workshop, IFRIS, Paris, December 20, 2010.
13. “Comments on Medicalization.” Construction of New Realities in Medicine, Social Trends Institute, Barcelona, Spain, April 15-17, 2010.
14. Discussant, Focus on the Embryo, Social Trends Institute, Barcelona, Spain, January 23-25, 2009.

National

1. “The Demands of CRISPR’s World: Imagination, Deliberation, and Governance,” CRISPR Technology: Responsible Discourse about Science & Bioethics, University of California at Davis, May 26, 2016.
2. “Taking Responsibility: Science and Its Revolutions, From Recombinant DNA to Gene Editing” Arthur J. Schmitt Lecture, Center for Ethics and Culture, University of Notre Dame, South Bend, Indiana, April 7, 2016.
3. Moderator and Policy Expert, Session on Public Benefits and Social Justice International Summit on Human Gene Editing, convened by the U.S. National Academies of Sciences and Medicine, the Royal Society, and the Chinese National Academy of Sciences, Washington, D.C., December 1, 2015.
4. “Human Dimensions of the New Biology,” The Integration of Education in the Arts and Humanities with Education in Sciences, Engineering, Technology and Medicine, National Academies of Sciences, Engineering and Medicine Washington, D.C., December 2, 2015.

5. "Religion and Public Reason in the Politics of Biotechnology," Notre Dame Journal of Law, Ethics and Policy Symposium, Notre Dame School of Law, South Bend, Indiana, March 29, 2015.
6. Debate participant, ISGP Science Policy Debate: Water and Food, Institute for Science and Global Policy/Sigma-Xi Society, Glendale, Arizona, November 8, 2014.
7. "World Making and Norm-Making: Heterodoxy in Science and Technology Studies" Harvard Law School Institute for Global Law and Policy Colloquium, Harvard University, Cambridge, MA June 6, 2014.
8. "Revolutionary Biology: Science, Law and Emerging Technologies of Governance," Technological Visions and Revisions, Harvard University, April 4, 2014.
9. "Participation, Progress and Public Trust in Biobanking" *Biobanking Americas Summit*, Boston, MA, June 13, 2013.
10. "Imagining Governability: Law and Emerging Technology Since Asilomar" *Harvard Law School Institute for Global Law and Policy Colloquium*, Harvard University, Cambridge, MA, June 13, 2013.
11. Discussant, 21st Century Borders/Synthetic Biology: Focus on Responsibility and Governance, Institute on Science for Global Policy, Tucson, AZ, December 4-7, 2012.
12. "Technologies of Progress, Technologies of Humility," Beneficial Progress in Technology Workshop, Center for Advanced Study in the Behavioral Sciences, Stanford University, Palo Alto, CA, October 4-7, 2012.
13. "Bank on Trust: Participation, Partnership, and Governance in Biobanking," Biobanking Americas, Boston, MA, June 14, 2012.
14. "Teaching Bioethics" The Tarrytown Meetings, Tarrytown, NY July 24, 2011.
15. "Good Science: Knowledge, Technology and the Public Good" Singularity University, NASA-AMES Research Park, Mountain View, CA July 6, 2011.
16. "Representing Reason: science and democracy in the human embryo research debates" Workshop on the Ethical, Philosophical, Legal & Theological Dimensions of Adult & Alternative Stem Cell Research, University Of Notre Dame, South Bend, IN, June 30, 2011.
17. "Technologies of Representation: public bioethics and the human embryo research debates" Interdisciplinary Center for Bioethics, Yale University, New Haven, CT, May 12, 2010.
18. "Representing Reason: human embryo research and the politics of public bioethics" STS Circle, Harvard University, Cambridge, MA, April 5, 2010.
19. "Neoeugenic Consciousness, the 'Path to Perfection,' and the Human Biological Future" Schroedinger Symposium, Stanford University, Palo Alto, CA May 20, 2005.

Local

1. Knowing Disease and Accounting for Care, Mayo Clinic, Scottsdale, April 16; repeated, ASU Institute for Humanities Research, April 20, 2015.
2. Commentator, Religion, Science and Sociality: Emergence Theory and Religion Judaism, Science and Medicine Group, ASU, October 6-7, 2013
3. "Bank on Trust: Precision Medicine and the Problem of Participation," Biomedical Informatics Seminar Series, ASU November 8, 2012
4. "Evidence for an Informed Polity," Epistemic Democracy Workshop, ASU November 14, 2012
5. Panelist, *Being Human in a Posthuman World*, ASU Project Humanities September 11, 2012.
6. Panelist, "Feed 8 Billion" ASU Biotechnology Club Event February 2, 2011.
7. "In the Laboratory of Democracy: California's Stem Cell Initiative and the Politics of Public Science," CSPO Enlightening Lunch, ASU April 27, 2011.
8. "Germ-free, and other Myths: Examining Antimicrobial Products," Science Café (with Rolf Halden), Arizona Science Center, May 19, 2011.

Conference Presentations

1. "Taking Responsibility: Science and Its Revolutions, From Recombinant DNA to Gene Editing" Science and Democracy Network Annual Meeting, London, UK, June 24, 2016.
2. "Just Knowledge? Conditions of Visibility and 'Slow Violence,'" Institute for Global Law and Policy: The Conference, Harvard Law School, Cambridge, MA 2013
3. "Revolutionary Biology: Science, Law, and Emerging Technologies of Governance," Society for the Social Studies of Science Annual Meeting, Denver, November 14, 2015.
4. "States of Placelessness: Risk and Responsibility in H5N1 Research," Society for the Social Studies of Science Annual Meeting, San Diego 2013.
5. "Law, Science and Asilomar," Institute for Global Law and Policy Workshop, Doha, Qatar, 2013.
6. "Reactive Institutions: Emerging Technologies and Public Bioethics from Recombinant DNA to Synthetic Biology." Panel on Public Bioethics (organizer and chair), History of Science Society Annual Meeting, Boston, MA, 2012.
7. "Properties of the Public Good: Innovation and Ownership in California's Stem Cell Initiative," History of Science Society Annual Meeting, San Diego, 2012.

8. "Evidence for an Informed Polity: Science and Democracy in a Missouri Court," Society for the Social Studies of Science Annual Meeting, Cleveland, 2011.
9. "Biological Kinds and Moral Categories in American Regulation of Human Embryo Research," History of Science Society Annual Meeting, Cleveland, 2011.
10. "Common Problems: disease, participation and public good in the making of personalized medicine," Science and Democracy Network Annual Meeting, Harvard University, Cambridge, 2011.
11. "Constituting Life, Imagining Democracy: the Metaphysics and Politics of Human Cloning," Society for the Social Studies of Science Annual Meeting, Tokyo, 2010.
12. "Containing Potential: Human Cloning, Moral Risk and the Legacy of Asilomar," Science and Democracy Network Meeting, Royal Society Kavli House, London, 2010.
13. "Between the Doctor and His Plumber: making embryo research ethics public," History of Science Society Annual Meeting, Phoenix, 2009.
14. "Imagining Public Reason in the Human Embryo Research Debates," Society for the Social Studies of Science Annual Meeting, Washington, D.C., 2009.
15. "Term of ART? Cloning, Reproduction and Ideal Speech," History of Science Society Annual Meeting, Pittsburgh, 2008.
16. "Confusing Deliberation: What 'Cloning' Means For Democracy," Science and Democracy Network Annual Meeting, Cambridge, 2008.
17. "Premises Held in Common: Public Facts, Private Interests and the California Stem Cell Research and Cures Initiative," History of Science Society Annual Meeting, Minneapolis, 2005.

Workshops and Lecture Series Organized

1. STS Summer School: Science and Governance at the Frontiers of Life, Harvard University, July 27-August 2, 2014. (role: acquired funding, co-organizer, chair, speaker.)
2. Bodies of Data: Public Participation, Governance and the New Bioinformatics, ASU, March 7, 2014. (role: acquired funding, organizer, chair, speaker.)
3. Imagining the (Post)human Future, Karlsruhe Institute of Technology, Karlsruhe, Germany, July 2013, (role: acquired funding, co-organizer, chair, speaker.)
4. Technologies of Imagination: 50 Years Beyond *Man and His Future*, ASU, April 5, 2013, cosponsored by: SOLS Program on Life Science Ethics, Center for Biology and Society, Center for the Study of Religion and Conflict, Center for Science and Imagination, (role: acquired funding, co-organizer, chair, speaker.)

5. Architectures for Life, Harvard, April 18, 2012, (role: co-organizer, speaker and panel chair).
6. The Transhumanist Imagination: Innovation, Secularization, and Eschatology, ASU, April 9, 2012, sponsored by the Center for the Study of Religion and Conflict, Center for Jewish Studies, (role: co-organizer, chair.)
7. The Constitutional Foundation of Bioethics International Workshop, Harvard University, November 10, 2011, (role: acquired funding, co-organizer, chair.)
8. Biology and Society Lecture Series: Exploring the Future of Bioethics, ASU, Spring, 2011, (role: organizer, chair.)
9. The Constitutional Foundations of Bioethics Project Planning Workshop, Harvard, November 22, 2010, (role: acquired funding, co-organizer, chair.)

Fellowships and Awards

- Award for Excellence and Innovation in Teaching, School of Life Sciences, ASU, 2016.
- Fellow, Institute for Humanities Research, Arizona State University (with Gaymon Bennett), “Biotechnical Monstrosity: Technoscientific Imaginaries and the Moral Boundaries of Innovation,” 2015-2016 (\$21,605).
- Residential Research Fellowship, Brocher Foundation, Switzerland, Summer 2015.
- Fellow, Institute For Humanities Research, Arizona State University, “Biology, Law and Public Reason,” 2012-2013 (\$17,490).
- Postdoctoral Fellowship, STS Program, Harvard University 2009-2010.
- Graduate Society Dissertation Completion Fellowship, Harvard University.
- Heibert Fellowship, Harvard University, 2009.
- 2008 EMBL Science and Society Summer School Fellowship 2008, (declined).
- Edmond J. Safra Center for Ethics Graduate Fellowship, Harvard, 2007-2008.
- Thomas Temple Hoops Senior Thesis Advising Award, 2007.
- Harvard University Graduate Fellowship, 2003-2007.
- Stanford University Department of Classics Most Distinguished Student Award, 1999 and 2000.

Grants

- "Beyond Secularization: piloting new approaches to the study of religion, science and technology in public life" (Co-PI with Gaymon Bennett, Linell Cady, Hava Tirosch-Samuelson and Gregg Zachary), Templeton Religion Trust, 2016-2018, \$217,400, Recognition: 35%.
- "The Transhumanist Imagination: Innovation, Secularization, Eschatology" (co-PI with Hava Tirosch-Samuelson, administered by the Center for the Study of Religion and Conflict) Religion and Innovation in Human Affairs Grants Program, The Historical Society/John Templeton Foundation 2012-2014, \$200,000, recognition: 50%.
- "Biology and Law" (co-PI with co-PI Sheila Jasanoff, Harvard University, and co-PI Krishanu Saha, U. of Wisconsin, administered by Program on Science, Technology and Society, Harvard University) Uses and Abuses of Biology Grants Programme, Faraday Institute/John Templeton Foundation, 2013-2015, \$174,800, recognition: 33%.
- "Biobank Governance" (PI, administered by Center for Biology and Society and Center for Policy Informatics) Virginia G. Piper Charitable Trust, 2012-2014, \$20,000. Recognition: 100%.
- "Life in the Grey Zone: Governance of New Biology in Europe and the United States" (collaborator, PI: Sheila Jasanoff, administered by Program on Science, Technology and Society, Harvard University) National Science Foundation, 2011-2016, \$279,713, recognition: 33%.
- "The Constitutional Foundation of Bioethics: A Cross National Comparison" (co-PI with Sheila Jasanoff, Harvard University, and Krishanu Saha, U. of Wisconsin, administered by Program on Science, Technology and Society, Harvard University) Greenwall Foundation, 2011-2014, \$50,000, recognition: 33%.
- ASU Center for Jewish Studies Evolution and Human Nature Course Development, PI, 2011, (\$5,000) (Course is currently being taught at Duke University by project graduate student RA), Recognition: 100%.
- IGERT: Person-centered Technologies and Practices for Individuals with Disabilities (co-I, PI: Sethuraman Panchanathan) \$2,972,183.00, recognition: 2%.

Professional Memberships

Bio + Society Collaboratory, Harvard University (co-director)
<http://sts.hks.harvard.edu/research/biosocietycollaboratory/>; Science and Democracy

Network; Law and Society Association International Law Collaborative Research Network; Society for the Social Studies of Science; History of Science Society

Teaching and Mentoring

Courses

- BIO312/PHI320: Bioethics (undergraduate lecture course, enrollment: 200; offered annually)
- BIO/PHI/HON394: Discussing Bioethics (honors seminar course, enrollment, approx. 50, offered annually)
- BIO318/PHS331: History of Medicine (undergraduate lecture course, enrollment: 150, offered 2010, 2012, 2014, 2016)
- BIO 598: States of Health: Biomedicine and Citizenship (graduate seminar, enrollment:) ASU, Fall, 2011.
- BIO394/HPS 394: Bioethics In Film: Controlling Reproduction (enrollment:)
- BIO 591: Social Dimensions of Biomedicine (graduate seminar), Spring 2011
- HPS 598: Historiography (graduate seminar), Fall 2010, 2012
- BIO Studying Science: Theory and Methodology in Science and Technology Studies (graduate seminar), offered Spring, 2015
- Freshman Seminar 24l, Imagining the Future: Biotechnology, Ethics and the Transformation of the Human in the 20th Century (Harvard University, 2011)

Mentoring:

PhD Committees

1. **Chair:** Tess Doezema, Human and Social Dimensions of Science and Technology.
2. **Chair:** Lee Seabrooke, Human and Social Dimensions of Science and Technology.
3. **Chair:** Michael Burnham-Fink, Human and Social Dimensions of Science and Technology “The Making of Disability and Enhancement in American Education,” graduated 2016.
4. **Co-Chair:** Heather Ross, Human and Social Dimensions of Science and Technology, “The Social Construction of Atrial Fibrillation Ablation Technologies,” graduated 2016.

5. **Co-chair:** Katherine Hunt, Biology and Society, Individualizing The Informed Consent Process for Whole Genome Sequencing: A Patient Directed Approach,” graduated 2013.
6. **Committee Member:** Jennifer Brian, Biology and Society, graduated 2012.
7. **Committee Member:** Lijing Jiang (Biology and Society, graduated 2013.
8. **Committee Member:** Chad Monfreda, Human and Social Dimensions of Science and Technology, graduated 2015.
9. **Committee Member:** Monamie Bhadra, Human and Social Dimensions of Science and Technology, graduated 2016.
10. **Committee Member:** Erica O’Neil, Biology and Society, graduated 2016.
11. **Committee Member:** Mary Drago, Biology and Society, ABD.
12. **Committee Member:** Kate McCord, History and Philosophy of Science, ABD.
13. **Committee Member:** Paige Madison, History and Philosophy of Science, ABD.
14. **Committee Member:** Alexis Abboud, History and Philosophy of Science, ABD.

MS Committees: 6 director or co-director, 3 second reader, 3 third reader.

Undergraduate Thesis Committees: 14 director or co-director; 7 second reader; 3 third reader

Service

Professional Service

Peer Review: Journals: *Science as Culture*; *Science, Technology and Human Values*; *British Journal of Sociology*; *Philosophy and Public Policy Quarterly*; *Public Culture*; Presses: Oxford University Press; Routledge; MIT; Granting Agencies: European Cooperation in Science and Technology; Bio-objects; Flanders Research Foundation; Wellcome Trust; National Science Foundation; Other: National Academies of Sciences, Engineering and Medicine.

Other

- Member, Committee on Integrating Higher Education in the Arts, Humanities, Sciences, Engineering, and Medicine, National Academies of Sciences, Engineering and Medicine
- Phoenix Children’s Hospital Front Door Consent Committee, 2015-current.
- Science and Democracy Network Junior Council

- Society for the Social Studies of Science Graduate Student Mentor, 2015-current.
- Australia National University external dissertation examiner.
- Reviewer, Dissertation Reviews.
- Co-founder and Co-organizer of the STS Circle at Harvard, 2006-2010.
- Co-founder and Co-organizer of the Ivory Tower Working Group at Harvard 2006-2008.

University Service

- School for the Future of Innovation in Society Human and Social Dimensions of Science and Technology Degree Review Committee, 2016-current.
- Undergraduate Committee, School of Life Sciences, 2014-current
- National Scholarships and Fellowships Committee, Office of the Provost, 2011-current (Truman; Fulbright Western Europe).
- Human and Social Dimensions of Science and Technology Graduate Steering Committee, 2011-current.
- Faculty Search Committee, Religion, Science and Technology, SHPRS, 2013-2014
- Postdoctoral Search Committee, Religion, Science and Technology, SHPRS, 2012-2013
- Responsible Conduct of Research Training, Office of Research Integrity, 2015.
- Biomedical Sciences Concentration Subcommittee, School of Life Sciences, 2014.
- Research and Training Initiatives Committee, School of Life Sciences, 2012-2015.
- Graduate Student Member, Committee for Undergraduate Curricular Reform, History of Science Department, Harvard University, 2006-2007.