Curriculum Vitae

James R. Griesemer
Department of Philosophy
University of California
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Education

Ph.D. 12/83, Conceptual Foundations of Science, University of Chicago
M.S. 12/81, Biology, University of Chicago
A.B. 12/77, Genetics, University of California, Berkeley

Area of Expertise

Philosophical, historical, and social understanding of the biological sciences, especially evolutionary biology, genetics, developmental biology, ecology, and systematics.

Employment, Appointments and Awards

2023- Senior Advisor, *Tapuya: Latin American Science, Technology and Society*

2022- Distinguished Professor Emeritus, Department of Philosophy, Department of Science and Technology Studies, Center for Population Biology, the Population Biology Graduate Group, the Center for Science and Innovation Studies, and the Cultural Studies Graduate Group

2021- Member, Scientific Advisory Board, Konrad Lorenz Institute for Evolution and Cognition Research (KLI)

2019- Distinguished Professor, Department of Philosophy, University of California, Davis

2015 - 2020 Chair, Department of Philosophy, University of California, Davis

2014 - Member, Cultural Studies Graduate Group, UC Davis

2011 - 2014 Herbert A. Young Society Dean's Fellow, UC Davis

2011 - Member, Center for Science and Innovation Studies, UC Davis

2009 - 2011 Past President and Nominations Committee Chair, International Society for History, Philosophy and Social Studies of Biology

2007 - 2009 President, International Society for History, Philosophy and Social Studies of Biology

2005 - Member, THE KONRAD LORENZ INSTITUTE FOR EVOLUTION AND COGNITION RESEARCH

2005 - 2010 Chair, Department of Philosophy, University of California, Davis

2005 - 2007 President-Elect, International Society for History, Philosophy and Social Studies of Biology

2000 - Member, Science and Technology Studies Program, UC Davis

1998 - Fellow, Max Plank Institut für Wissenschaftsgeschichte, Berlin (May)

1996 Professor, Department of Philosophy, University of California, Davis

1994 - 1995 Fellow, Collegium Budapest (Institute for Advanced Study) (Oct-Nov; June-July)
1992 - 1993 Fellow, Wissenschaftskolleg zu Berlin (Institute for Advanced Study)

1992 - Member, Graduate Group in Population Biology, University of California, Davis

1991 - 1992 Affiliate, Center for History and Philosophy of Science, California Academy of Science

1990 - 1996 Associate Professor, Department of Philosophy

1990 - 1996 Director, Program in History and Philosophy of Science, University of California, Davis

1989 - Member, Center for Population Biology, University of California, Davis

1984 - 1990 Assistant Professor, Department of Philosophy, University of California, Davis

11/86 - 2/87 Visiting Research Associate, Department of Biology, University of Chicago

1983 - 1984 Visiting Assistant Professor, Department of Philosophy, University of California, Davis

1981 - Researcher, Museum of Science and Industry, Chicago

Recent Professional Service

Editorial Boards (current) *Biology and Philosophy*, *Biological Theory*, *Evolutionary Biology, Journal of Experimental Zoology B: Molecular and Developmental Evolution, Frontiers Evolutionary Developmental Biology, Tapuya: Latin American Science, Technology and Society (senior advisor)*

Werner Callebaut and Marjorie Grene Prize Committees, International Society for History, Philosophy and Social Studies of Biology (2021, 2023)

Ad Hoc Committee (Member), Site Visit and Report on the Integrative Research Center, Field Museum of Natural History, May 2015

Philosophy of Science Association, 2014 Annual Meeting, Program Committee

National Science Foundation, Committee of Visitors, Review of the Social and Economic Sciences Division, Directorate of Social, Behavioral, and Economic Sciences, June 3-5, 2013

National Research Council of the National Academy of Sciences, Committee on Defining and Advancing the Conceptual Basis of Biology, 2006-2008

David L. Hull Prize Committee, International Society for History, Philosophy and Social Studies of Biology (2011, 2013, 2015, 2017)

President (2007-2009) International Society for History, Philosophy and Social Studies of Biology (President-Elect 2005-2007, Past-President 2009-2011)

Professional Societies

(when I remember to renew membership …)
American Philosophical Association (APA)
History of Science Society (HSS)
International Society for History, Philosophy and Social Studies of Biology (ISHPSSB)
Philosophy of Science Association (PSA)
Society for Social Studies of Science (4S)
Society for Philosophy of Science in Practice (SPSP)

Grants and Honors

2021 - 2023	The John Templeton Foundation, Grant PI, #62385 (co-PI Elihu Gerson). “A Sociological Analysis of the Science of Purpose Project,” $453,839.
2020 -	Elected member of the Scientific Advisory Board, KLI: An Independent Center of Advanced Studies in the Life and Sustainability Sciences, Klosterneuburg, AUSTRIA.
2019	Distinguished Professor, UC Davis.
2019 - 2024	NSF Grant PI, SES-1849307, “A Case Study of How Re-Situation of Scientific Knowledge from Human Population Genomics Works,” $314,792.
2014 - 2016	NSF Grant PI, SES-1431514, “A History of the Future: The Biology of Systems 1945-1975,” $170,169.
2008 - 2011	NSF Grant co-PI, SES-0823401, "Grant for Collaborative Research: Shaping Evolutionary Biology in Berkeley's Museum of Vertebrate Zoology," Cathryn Carson, UC Berkeley PI, $302,133.
2008 - 2013	NSF Grant co-PI, DGE-0801430, REsponding to RApid Environmental CHange (REACH): from genes to ecosystems, science to society, $3,171,000.
1998	Fellow, Max Plank Institut für Wissenschaftsgeschichte, Berlin (one month)
1994 - 1995	Fellow, Collegium Budapest (Institute for Advanced Study) (6 months)
1992 - 1993	Wissenschaftskolleg zu Berlin (Institute for Advanced Study) (full year)

Publications

SUBMITTED AND IN PREPARATION

GRIESEMER, James R. (in preparation) “Jablonka and Lamb: Innovators of a novel logic of research questions about inheritance systems.”

GRIESEMER, James R. (in preparation) “Epistemology of the Adjacent Possible: On Lloyd’s Logics of Research Questions.”

GRIESEMER, James R. (in preparation) “Eco-developmental Scaffolding in Evolutionary Transitions: Working to Make Constraints on Developmental Reaction Norms,” Philosophy of Science.

GRIESEMER, James R. and Carlos Andrés BARRAGÁN. “The re-situation of scientific knowledge: thinking with Mary S. Morgan’s work.” Philosophy of Science. Manuscript in preparation.

BARRAGÁN, Carlos Andrés and James R. GRIESEMER. “Indigeneity within datasets: DNA sequences journeys and genomic representations about the Karitiana people.” BioSocieties. Manuscript in preparation.

BARRAGÁN, Carlos Andrés and James R. GRIESEMER. “The re-situation of genomic data and metadata: human admixture as algorithm-and-modeling practices”. In: Dietrich, Michael Robert; Marina Rose DiMarco and Jeffrey H. Schwartz (eds.), Ancestry: evidence, inference, and identity, Pittsburgh, University of Pittsburgh. In-progress book chapter manuscript

BARRAGÁN, Carlos Andrés; Sivan YAIR, and James R. GRIESEMER. “Eventualizing human diversity dynamics: admixture modeling through time and space”. In: MERCHANT Emily and Meaghan O’KEEFE (eds.), DNA, race, and reproduction. In-progress book chapter manuscript

REPRINTINGS AND TRANSLATIONS

Star, S. L. and J. R. Griesemer 2017, “Institutionelle Ökologie, >Übersetzungen< und Grenzobjekte. Amateure und Professionelle im Museum of Vertebrate Zoology in Berkeley, 1907-1939,” in Susan Leigh Star: Grenzobjekte und Medienforschung, edited by Sebastian Gießmann und Nadine Taha, Bielefeld: Transcript Verlag, pp. 81-116.

Star, S. L. and J. R. Griesemer 2015, Reprint of Star and Griesemer 1989, “Institutional Ecology, ‘Translations,’ and Boundary Objects: Amateurs and Professionals in Berkeley’s Museum of Vertebrate Zoology, 1907 – 1939.” Chapter 7, pp. 171-200 in Geoffrey C. Bowker, Stefan Timmermans, Adele E. Clarke and Ellen Balka (eds), Boundary Objects and Beyond: Working with Leigh Star. Cambridge: MIT Press.

Star, S. L. and J. R. Griesemer 2008, “Ecologie institutionnelle « traductions » et objets frontières : des amateurs et des professionnels au musée de zoologie vertébrée de Berkeley, 1907-1939.” Translation (Lucie Tangy) of Star and Griesemer 1989, in Rosental, C. & Lahire, B. (sous la dir. de), La cognition au prisme des sciences sociales, Paris, Editions des Archives Contemporaines, 2008.

Griesemer, J. 2005. “Le concept reproducteur,” 2005. Adapted and translated by Emmanuelle Chollet and Michel Morange, Medecine/Sciences 21: 1106-11, online http://www.erudit.org/revue/MS/2005/v21/n12/012020ar.html

Star, S. L. and J. R. Griesemer 1999, Reprint of Star and Griesemer 1989, "Institutional Ecology, 'Translations,' and Boundary Objects: Amateurs and Professionals in Berkeley's Museum of Vertebrate Zoology, 1907 - 1939." reprinted in Mario Biagioli (ed.), The Science Studies Reader, New York: Routledge, 505-524.

Griesemer, J. R. 1996, "Le role des instruments dans l'analyse de la science," La Materialite des Sciences: Savoir-faire et Instruments dans les Sceinces de la Vie, Paris: Synthelabo Groupe,

pp. 71-106. Translation and reprint of Griesemer, J. R. 1992. "The Role of Instruments in the Generative Analysis of Science."

IN PRINT

2023

Griesemer, J. 2023. On lowering guardrails (Editorial). *Tapuya: Latin American Science, Technology and Society*, 6(1), 2169311. https://www.tandfonline.com/doi/epdf/10.1080/25729861.2023.2169311?needAccess=true&role=button

Griesemer, J., & Shavit, A. 2023. Scaffolding individuality: coordination, cooperation, collaboration and community. Philosophical Transactions of the Royal Society B, 378(1872), 20210398. https://royalsocietypublishing.org/doi/10.1098/rstb.2021.0398

2022

Griesemer, James and C.A. Barragán. 2022. Re-situations of scientific knowledge: a case study of a skirmish over clusters vs clines in human population genomics. *History and Philosophy of the Life Sciences* 44, 16. https://doi.org/10.1007/s40656-022-00497-9

2021

Griesemer, James and Carlos Andrés Barragán. 2021. “Re-situating Scientific Knowledge in Human Population Genomics,” Poster. Philosophy of Science Association, Baltimore.

Griesemer, James R. 2021. Levels, Perspectives and Thickets: Toward an Ontology of Complex Scaffolded Living Systems. In *Levels of Organization in the Biological Sciences*, eds. Daniel S. Brooks, James DiFrisco, and William C. Wimsatt. MIT Press, Vienna Series in Theoretical Biology.

2020

Griesemer, J. 2020. A Data Journey Through Dataset-Centric Population Genomics. In *Data Journeys in the Sciences*, ed. Sabina Leonelli, Niccolò Tempini, 145-167.

Griesemer, J. 2020. “Taking Goodhart’s Law Meta: Gaming, Meta-Gaming, and Hacking Academic Performance Metrics” in Alexandra Lippman and Mario Biagioli (eds.) *Metrics and Misconduct: New Ecologies of Academic Research*, Cambridge: MIT Press.

2019

Griesemer, J. 2019. “Towards a Theory of Extended Development” in Giuseppi Fusco (ed), *Perspectives on Evolutionary and Developmental Biology: Essays for Alessandro Minelli*, Padova: Padova University Press, pp. 319-334.

2018

Griesemer, J. 2018. “Individuation of Developmental Systems: A Reproducer Perspective,” in Otávio Bueno, Ruey-Lin Chen, and Melinda B. Fagan (eds), Individuation, Process, and Scientific Practices, New York: Oxford University Press, chapter 7: pp. 137-164.

Griesemer, J. 2018. "Mapping Theoretical and Evidential Landscapes in Ecological Science: Levins’ Virtue Trade-Off and the Hierarchy-of-Hypotheses Approach," Chapter 4 in Jonathan M. Jeschke and Tina Heger (eds.), Invasion Biology: Hypotheses and Evidence, CABI: Wallingford, UK, pp. 23-29.

Shavit, A. and J. Griesemer. 2018. "Science and Sentiment: Grinnell's Fact-Based Philosophy of Biodiversity Conservation," Journal of the History of Biology 51:283–318. (available online in 2017) DOI 10.1007/s10739-017-9489-4. Springer "SharedIt" View Only: http://rdcu.be/vzVs

2017

Griesemer, J. 2017. "Landscapes of Developmental Collectivity," in Landscapes of Collectivity in the Life Sciences, Snait Gissis, Ehud Lamm, Ayelet Shavit, editors, MIT Press, pp. 25-47.

2016

Griesemer, J. "Reproduction in complex life cycles: A developmental reaction norms perspective," Philosophy of Science, online first http://www.journals.uchicago.edu/doi/abs/10.1086/687865

2015

Griesemer, J. 2015. "Sharing Spaces, Crossing Boundaries." Chapter 8, pp. 201-218, in Geoffrey C. Bowker, Stefan Timmermans, Adele E. Clarke and Ellen Balka (eds), Boundary Objects and Beyond: Working with Leigh Star. Cambridge: MIT Press.

Griesemer, J. 2015. "The Enduring Value of Gánti's Chemoton Model and Life Criteria: Heuristic Pursuit of Exact Theoretical Biology," *Journal of Theoretical Biology*, Online publication complete: 1-JUN-2015, DOI: 10.1016/j.jtbi.2015.05.016, http://dx.doi.org/10.1016/j.jtbi.2015.05.016

Griesemer, J., 2015. "What Salamander Biologists Have Taught Us About Evo-Devo," in Alan C. Love (ed), *Conceptual Change in Biology: Scientific and Philosophical Perspectives on Evolution and Development* (Boston Studies in the Philosophy and History of Science, vol. 307). Springer Verlag, Dordrecht, pp. 271-301.

2014

Griesemer, J., 2014. "Reproduction and Scaffolded Developmental Processes: An Integrated Evolutionary Perspective," Ch. 12 in Alessandro Minelli and Thomas Pradeu (eds), *Towards a Theory of Development*, Oxford University Press, pp. 183-202.

Caporael, L., J. Griesemer and W. Wimsatt (eds), 2014. *Developing Scaffolds in Evolution, Culture, and Cognition*, MIT Press.

Griesemer, J. 2014. "Reproduction and the Scaffolded Development of Hybrids," in Caporael et al. (eds), *Developing Scaffolds in Evolution, Culture, and Cognition*, MIT Press, pp. 23-55.

2013

Griesemer, J., 2013. "Integration of Approaches in David Wake's Model-Taxon Research Platform for Evolutionary Morphology," *Studies in History and Philosophy of Biological and Biomedical Sciences* 44: 525–536.

Available online 12 April 2013 http://dx.doi.org/10.1016/j.shpsc.2013.03.021

Griesemer, J. 2013. "Formalization and the Meaning of "Theory" in the Inexact Biological Sciences," *Biological Theory* 7: 298-310. (OnlineFirst 2012: http://link.springer.com/article/10.1007%2Fs13752-012-0065-z)

2011

Griesemer, J. 2011. “Heuristic Reductionism and the Relative Significance of Epigenetic Inheritance in Evolution,” in Hallgrímsson, Benedikt and Brian K. Hall (eds), Epigenetics: Linking Genotype and Phenotype in Development and Evolution, Berkeley: University of California Press, 14-40.

Griesemer, J. 2011. “The relative significance of epigenetic inheritance in evolution: Some philosophical considerations,” in Snait Gissis and Eva Jablonka (eds), Transformations of Lamarckism: from subtle fluids to molecular biology, MIT Press, 331-344.

Shavit, A. and J. Griesemer, 2011. "Mind the Gaps: Why Are Niche Construction Processes So Rarely Used?” in Snait Gissis and Eva Jablonka (eds), Transformations of Lamarckism: from subtle fluids to molecular biology, MIT Press, 307-317.

Griesemer, J. 2011. “*Baeolophus inornatus affabilis*,” in Azzouni, S., C. Brandt, B. Gausemeir, J. Kursell, H. Schmidgen, and B. Wittmann (eds), *Eine Naturgeschichte für Das 21. Jahrhundert: Hommage A zu Ehren von Hans-Jörg Rheinberger*. Berlin: Max-Planck-Institut für Wissenschaftsgeschichte, pp. 138-140.

Shavit, A. and J. Griesemer 2011, "Transforming Objects into Data: How Minute Technicalities of Recording “Species Location” Entrench a Basic Challenge for Biodiversity," in Martin Carrier & Alfred Nordmann (eds.), *Science in the Context of Application: Methodological Change, Conceptual Transformation, Cultural Reorientation*. Boston Studies in the Philosophy of Science, vol. 274. Dordrecht: Springer, pp. 169-193.

2009

Shavit, A. and J. Griesemer 2009, "There and Back Again, or, The Problem of Locality in Biodiversity Surveys," *Philosophy of Science* 76(3): 273-294. http://www.journals.uchicago.edu/toc/phos/76/3

Griesemer, James and Eörs Szathmáry 2009, "Gánti’s Chemoton Model and Life Criteria," Chapter 22 in *Protocells: Bridging Nonliving and Living Matter*, Steen Rasmussen, Liaohai Chen, Norman Packard, Mark Bedau, Liaohai Chen, David Deamer, David Krakauer, Norman Packard, and Peter Stadler (Eds.), MIT Press, 481-512. [pdf]

2008

Griesemer, James 2008, "Origins of Life Studies," Chapter 11 in Michael Ruse (ed.), The Oxford Handbook of Philosophy of Biology, New York: Oxford University Press, 263-290. [pdf]

2007

Wimsatt, W. C. and J. R. Griesemer, 2007, "Reproducing Entrenchments to Scaffold Culture: The Central Role of Development in Cultural Evolution,” Chapter 7 in Roger Sansom and Robert Brandon (eds.), *Integrating Evolution and Development: From Theory to Practice*, Cambridge: MIT Press, 227-323. [pdf]

Griesemer, James 2007, "Tracking Organic Processes: Representations and Research Styles in Classical Embryology and Genetics," Chapter 12 in Manfred D. Laubichler and Jane Maienschein (eds.), *From Embryology to Evo-Devo: A History of Developmental Evolution*, Cambridge: MIT Press, 375-433. This book was selected for an "Outstanding Academic Title Award" from *Choice Magazine*, January 2008. [pdf]

2006

Griesemer, James and Elihu M. Gerson, 2006, "Essay review: "Of mice and men and low unit cost" (review of Making Mice: Standardizing Animals for American Biomedical Research, 1900–1955. Karen A. Rader; Princeton University Press, Princeton, NJ, 2004, pp. 312). Studies in History and Philosophy of Biolological & Biomedical Sciences 37: 362-372. [pdf]

Bechtel, William, Werner Callebaut, James Griesemer, and Jeffrey Schank 2006, “Interview: Bill Wimsatt on Multiple Ways of Getting at the Complexity of Nature.” Biological Theory 1(2) 2006, 213–219. [pdf]

Griesemer, James 2006, "Theoretical Integration, Cooperation, and Theories as Tracking Devices," Biological Theory 1(1): 4-7. [pdf]

Griesemer, James 2006, "Genetics from an Evolutionary Process Perspective," Ch. 8 in *Genes in Development*, Eva M. Neumann-Held and Christoph Rehmann-Sutter (eds.), Duke University Press, 199-237. [pdf]

2005

Griesemer, James, Matthew Haber, Grant Yamashita, and Lisa Gannett 2005, "Critical notice. Cycles of contingency: Developmental systems and evolution," Biology and Philosophy 20:517–544. [pdf]

Griesemer, J. R. 2005, "The Informational Gene and the Substantial Body: On the Generalization of Evolutionary Theory by Abstraction", in Martin R. Jones and Nancy Cartwright (eds.) 2005, Idealization XII: Correcting the Model, Idealization and Abstraction in the Sciences. (Poznan Studies in the Philosophy of the Sciences and the Humanities, volume 86) Amsterdam: Rodopi, pp. 59-115. [pdf]

Griesemer, J. and G. Yamashita, 2005. “Zeitmanagement bei Modellsystemen. Drei Beispiele aus der Evolutionsbiologie” in H. Schmidgen (ed.), Lebendige Zeit. Berlin: Kulturverlag Kadmos, p. 213-241.

2004

Gannett, Lisa and James Griesemer 2004, "Classical Genetics and the Geography of Genes," in *Mapping Cultures of Twentieth Century Genetics*, 57-87, Hans-Jörg Rheinberger and Dr. Jean-Paul Gaudilliere (eds.), Routledge. [pdf]

Gannett, Lisa and James Griesemer 2004, "The ABO Blood Groups: Mapping the History and Geography of Genes in Homo sapiens," in *Mapping Cultures of Twentieth Century Genetics*, 119-172, Hans-Jörg Rheinberger and Dr. Jean-Paul Gaudilliere (eds.), Routledge. [pdf]

Griesemer, James 2004, "Three-dimensional models in philosophical perspective," in *Models: The Third Dimension of Science,* S. de Chadarevian and N. Hopwood (eds.), Stanford, Stanford University Press, 433-442. [pdf]

2003

Gánti, Tibor, James Griesemer (editor), and Eörs Szathmáry (editor), 2003, *The Principles of Life, with a commentary by James Griesemer and Eörs Szathmáry*, Oxford University Press. *The Principles of Life* at Oxford University Press or Amazon.com. [pdf of introduction]

Griesemer, J. 2003, "The Philosophical Significance of Gánti's Work," Ch. 5 of Gánti et al. 2003, *The Principles of Life, with a commentary by James Griesemer and Eörs Szathmáry*, Oxford University Press, 169-194. [pdf]

2002

Griesemer, James 2002, "What is "Epi" about Epigenetics?" In G. Vandevijver, L. Vanspeybroeck and D. Dewaele (eds.), *From Epigenesis to Epigenetics: the Genome in Context*, Annals of the New York Academy of Sciences 981: 97-110. [pdf]

J. Griesemer, (2002). Space <=>Time: Temporality and Attention in Iconographies of the Living. Experimental Arcades: The Materiality of Time Relations in Life Sciences, Art, and Technology (1830-1930). H. Schmidgen. Berlin, Max Plank Institut für Wissenschaftsgeschichte. Preprint 226: 45-57. [pdf]

J. Griesemer 2002, "Limits of reproduction: A Reductionistic Research Strategy in Evolutionary Biology," in M. H. V. Van Regenmortel and D. Hull (eds.), Promises and Limits of Reductionism in the Biomedical Sciences, Chichester: John Wiley and Sons Ltd., 211-231. [pdf]

J. Griesemer and Churchill, F. B. 2002, "Weismann, August Friederich Leopold " in Mark Pagel (ed.), *Encyclopedia of Evolution*, Volume 2, New York: Oxford University Press, 1149-1151. [pdf]

2000

Griesemer, J. 2000, "The Units of Evolutionary Transition," Selection 1: 67-80. [pdf]

Griesemer, J. 2000, "Development, Culture and the Units of Inheritance," Philosophy of Science 67 (Proceedings): S348-S368. [pdf]

Griesemer, J. R., 2000, "Reproduction and the Reduction of Genetics," P. Beurton, R. Falk, and H-J. Rheinberger (eds.), *The Concept of the Gene in Development and Evolution, Historical and Epistemological Perspectives*, Cambridge University Press, 240-285. [pdf]

Griesemer, J. R. and Wade, M. J. 2000, "Populational Heritability: Extending Punnett Square Concepts to Evolution at the Metapopulation Level," Biology & Philosophy 15 (1):1-17. [pdf]

1998

Griesemer, J. 1998 "Commentary: The Case for Epigenetic Inheritance in Evolution," *Journal of Evolutionary Biology* 11(2): 193-200. [pdf]

See also the essay reviews of Jablonka and Lamb (1995) and of Maynard Smith and Szathmary (1995).

Wade, M. J. and J. R. Griesemer, 1998 "Populational heritability: Empirical Studies of Evolution in Metapopulations," *American Naturalist* 151(2): 135-147. [pdf]

1996

Griesemer, J. R. 1996. "Periodization and Models in Historical Biology," in Michael T. Ghiselin and G. Pinna (eds.), Memoirs of the California Academy of Sciences, no. 20, New Perspectives on the History of Life, San Francisco: California Academy of Sciences, pp. 19-30.

Griesemer, J. R. 1996. "Some Concepts of Historical Science", Memorie della Societa Italiana de Scienze Naturali e del Museo Civico di storia Naturale di Milano 27: 60-69.

1994

Griesemer, J.R. 1994. "Tools for Talking: Human Nature, Weismannism and the Interpretation of Genetic Information", in Carl Cranor (ed.), Are Genes Us?The Social Consequences of the New Genetics, New Brunswick: Rutgers University Press, 69-88.

1993

Griesemer, J. R. and E. M. Gerson. 1993. "Collaboration in the Museum of Vertebrate Zoology." Journal of the History of Biology 26(2): 185-204.

1992

Griesemer, J. R. 1992. "The Role of Instruments in the Generative Analysis of Science," in A. Clarke and J. Fujimura (eds.), The Right Tools for the Job: At Work in Twentieth Century Life Sciences, Princeton: Princeton University Press, 47-76.

Griesemer, J. R. 1992. "Niche: Historical Perspectives," in E. F. Keller and E. S. Lloyd (eds.), Key Words in Evolutionary Biology, Cambridge: Harvard University Press, 231-240.

1991

Griesemer, J. R. 1991. "Material Models in Biology", in A. Fine, M. Forbes and L. Wessels (eds.), PSA 1990, volume 2, East Lansing: Philosophy of Science Association, 79-93.

Griesemer, J. R. 1991. "Must Scientific Diagrams Be Eliminable? The Case of Path Analysis," Biology and Philosophy 6: 155-180.

1990

Griesemer, J. R. 1990. "Modeling in the Museum: On the Role of Remnant Models in the Work of Joseph Grinnell." Biology and Philosophy 5: 3-36.

1989

Griesemer, J. R. and W. C. Wimsatt. 1989. "Picturing Weismannism: A Case Study of Conceptual Evolution." What the Philosophy of Biology Is, Essays for David Hull, M. Ruse (ed.), Dordrecht: Kluwer Academic Publishers, pp. 75-137.

Star, S. L. and J. R. Griesemer. 1989. "Institutional Ecology, 'Translations,' and Boundary Objects: Amateurs and Professionals in Berkeley's Museum of Vertebrate Zoology, 1907 - 1939." Social Studies of Science 19: 387-420.

1988

Griesemer, J. R. 1988. "Causal Explanation in Laboratory Ecology: The Case of Competitive Indeterminacy." PSA 1988, Vol. 1, pp. 337-344. A. Fine and J. Leplin (eds.), East Lansing: Philosophy of Science Association.

Griesemer, J. R. 1988. "Genes, Memes and Demes," Biology and Philosophy 3:179-184.

Griesemer, J. R. and M. J. Wade. 1988. "Laboratory Models, Causal Explanation and Group Selection." Biology and Philosophy 3: 67-96.

1985

Griesemer, J. R. 1985. "Philosophy of Science and 'The' Scientific Method." American Biology Teacher 47:211-215.

1984

Griesemer, J. R. 1984. "Presentations and the Status of Theories." PSA 1984, Vol 1, 102-114. P. D. Asquith and P. Kitcher (eds.) Philosophy of Science Association, East Lansing.

Reviews

Griesemer, J. 2015. A Post-Genomic Philosophy of the Gene. Review of:
Genetics and Philosophy: An Introduction. Paul Griffiths and Karola Stotz. Cambridge University Press, 2013. 270+vii pages, 22 figures, 4 tables. $29.99 (ISBN 9780521173902 Paperback).
BioScience (February 2015) 65 (2): 212-213. doi: 10.1093/biosci/biu213
First published online: January 5, 2015

Griesemer, J. 2013, Review of: David Sepkoski. *Rereading the Fossil Record: The Growth of Paleobiology as an Evolutionary Discipline* (2012, University of Chicago Press). *HOPOS: The Journal of the International Society for the History of Philosophy of Science*, Fall 2013, 360-364.

Griesemer, J. and J. Langheier, 2009, Review of Making Visible Embryos (http://www.hps.cam.ac.uk/visibleembryos/) by Tatjana Buklijas and Nick Hopwood, *Bulletin of the History of Medicine* 83: 381-383.

Griesemer, J. 2008, “Philosophy and Tinkering,” (review of W. C. Wimsatt 2007. Re-Engineering Philosophy for Limited Beings: Piecewise Approximations to Reality. Cambridge, MA: Harvard University Press.) Biology & Philosophy online 23 September 2008. doi 10.1007/s10539-008-9131-0

Griesemer, J. 2001, "The century of the gene., (2000) (English) by E.F. Keller." Annals of Science 58(4): 448-450.

Griesemer, J. R. 1999 "Materials for the Study of Evolutionary Transition," (review of Maynard Smith and Szathmáry 1995, *The Major Transitions in Evolution*), *Biology & Philosophy* 14: 127-142.

Griesemer, J. R. 1998, "Review: Turning back to go forward. A review of *Epigenetic Inheritance and Evolution, The Lamarckian Dimension*," by Eva Jablonka and Marion Lamb, 1995, Oxford and New York: Oxford University Press, xiv + 346 pages. , *Biology & Philosophy* 13:103-112.

Griesemer, J. R. and H. B. Shaffer. 1992. Review of Reconstructing the Past: Parsimony, Evolution, and Inference by Elliott Sober, MIT Press, 1989. The Philosophical Review 101(3): 725-729.

Griesemer, J. R. 1992. "What Does the World Care For Me?" Book Review of Marcia Bonta, Women in the Field: America's Pioneering Women Naturalists. Texas A&M University Press, 1991. Ecology 73(1): 385-6.

Griesemer, J. R. 1991. Review of The Structure of Biological Theories by Paul Thompson, SUNY Press, 1989. Bulletin of Mathematical Biology 948-951.

Griesemer, J. R. 1989. "Old Wine in a New Cask." Review of "Toward a New Philosophy of Biology" by E. Mayr. The Quarterly Review of Biology 64:51-55.

Griesemer, J. R. 1985. "The Nature of Selection: Evolutionary Theory in Philosophical Focus," by Elliott Sober. American Scientist 73:496, September.

Griesemer, J. R. 1985. "Culture and the Evolutionary Process," by Robert Boyd and Peter J. Richerson. The Condor 88:123-125.

Griesemer, J. R. 1983. "Disabusing Science," Book Review of Philip Kitcher, Abusing Science; the case against creationism. Evolutionary Theory 6:223-224.

Seminars, Lectures, Comments

INVITED LECTURES, TALKS, COMMENTS

2022

"Eco-developmental Scaffolding in Evolutionary Transitions: Working to Make Constraints on Developmental Reaction Norms," Philosophy of Science Association, Pittsburgh, November 12, 2022.

Rachel Ankeny, *In Defense of Medical Cases*, Book Manuscript Workshop, The Ann Johnson Institute for Science, Technology & Society, University of South Carolina, November 8, 2022.

"David Wake's Philosophy of Science: "The Organism as a Source of Ideas, or What salamander biologists can teach us about philosophy of science," Memorial for David B. Wake, University of California, Berkeley, May 07, 2022.

2019

"Panel commentary and general discussion," New Perspectives on Evolution: An Interdisciplinary and International Symposium, Washington and Lee University, Lexington VA, November 9, 2019.

Roundtable Commentary on Bruno Strasser, *Collecting Experiments: Making Big Data Biology*, International Society for the History, Philosophy, and Social Studies of Biology, Oslo, Norway, July 11, 2019.

"A Data Journey through Dataset-Centric Population Genomics," Center for History and Philosophy of Science, University of Colorado, Boulder, February 11, 2019.

2018

"Scaffolding Environments and the Development of System Closure," Conceptual Issues on 'Life, Mind and Society' in Dialogue with Alvaro Moreno, University of the Basque Country, November 19-20, 2018.

"Mapping theoretical and evidential landscapes in ecological science: Levins' virtue trade-off and the hierarchy-of- hypotheses approach," Research synthesis based on the hierarchy-of-hypothesis approach, Volkswagen Stiftung, Hannover, October 9-11, 2018.

“Scaffolding Environments and the Development of System Closure,” Parmenides Foundation Workshop "Re-thinking Matter, Life & Mind,” Tegernsee Germany, September 18 - 21, 2018.

“Why do with less when more is available?” Commentary on “Towards a Processual Philosophy of Biology,” by John Dupré & Daniel J. Nicholson. Process Biology: Final Conference of the ERC Project ‘A Process Ontology for Contemporary Biology’, March 21-23, 2018.

“Notes from the Theory Thicket,” Hierarchy and Levels of Organization in the Biological Sciences, 36th Altenberg Workshop in Theoretical Biology, March 8-11, 2018.

“Varieties of Data Journeys: DataSet-Driven Science,” Bechtel Lab Meeting, UC San Diego, February 15, 2018.

2017

“The Datum in Context,” James Griesemer and Mary S. Morgan joint presentation, Varieties of Data Journeys, Exeter, November 2-3, 2017.

Commentary on the session: Challenges and Opportunities of Data Integration (Sabina Leonelli, David Colaço, Stefano Canali, Niccolò Tempini), International Society for the History, Philosophy, and Social Studies of Biology, São Paulo, Brazil, July 16-21, 2017.

“Some Thoughts on Diagrams in the Representation and Production of Embryological Knowledge,” Tools of Reason: The Practice of Scientific Diagramming from Antiquity to the Present. Interdisciplinary Workshop, Stanford Humanities Center, Levinthal Hall February 10-11, 2017.

“Beyond the Rock and the Hard Place: Breaking the Generic/Genetic Dichotomy,” Conference on Emergence and Evolution of Biological Complexity, Simons Centre for the Study of Living Machines, National Centre for Biological Sciences, Bangalore India, February 4-6, 2017.

2016

Invited Comment on “What a difference research questions can make!” Romanell Lecture by Elisabeth Lloyd, America Philosophical Association, Pacific Division Meeting, San Francisco, March 30, 2016.

“Taking Goodhart’s Law Meta: Gaming, Meta-Gaming, and Hacking Academic Performance Metrics,” Gaming Metrics: Innovation & Surveillance in Academic Misconduct, Innovating Communication in Scholarship Project, UC Davis, Feb 4, 2016.

2015

"Preserve, organize, mobilize: Systematics, evolutionary morphology and the dualism of representing and intervening, or, how some species got their names,” Symposium: “Labels, Catalogues, and Architectures: The Art and Science of Modern Systematics,” Volkswagen Stiftung, Schloss Herrenhausen, Hannover, Germany, June 25, 2015.

“Evo-Devo from a Reproducer Process Perspective,” Université Paris, IHPST (Institut d'histoire et de philosophie des sciences et des techniques), Paris France, June 22, 2015.

2014

“Towards a Tracking Epistemology for the Life Sciences,” Exploratory workshop: What Is Data-Intensive Science?, European Research Council project [DATA_SCIENCE], organised by Sabina Leonelli, Exeter Centre for the Study of the Life Sciences, Jury’s Inn Hotel Exeter, England, Dec 17, 2014.

Comments on Jennifer Cuffe (“The Time of Adverse Drug Reaction Databases in Canada”) and Alison Wylie (“Old Data Made New Again: How Archaeological Evidence Bites Back”), Knowledge/Value and Dark Data: Absence and Intervention, Exeter Centre for the Study of the Life Sciences (Egenis), Byrne House, University of Exeter, England, Dec 15, 2014.

“Individuation of Developing Systems,” Taiwan Conference on Scientific Individuation, National Chung Cheng University, Chia-Yi City, Taiwan, Dec 9, 2014.

"Life cycle complexity: Reproducing systems and their developmental contexts," Symposium: Complex Life Cycles, Reproduction and Evolution (with Peter Godfrey-Smith, Matthew Herron, and Maureen O'Malley), Philosophy of Science Association, Chicago, Nov 7, 2014.

"When metadata “go dark”: Problematizing data representations of specimens," Is Adding More Data Always Better? Field Museum of Natural History, Chicago, Nov 4-5, 2014.

"Comments on the Workshop," Beyond the Meme: Articulating Dynamic Structures in Cultural Evolution: A workshop on cultural evolution. University of Minnesota, October 16-19, 2014.

"Some reflections for modeling an autogenetically unfolding natural philosophy,” AUTOGENETIC UNFOLDING and EVOLUTION of MATTER, LIFE and MIND: A thorough examination of ideas and models, Parmenides Stiftung, Center for the Conceptional Foundations of Science, Der Westerhof Hotel, Tegernsee, Bavaria 15-21 September, 2014.

"Theoretical Perspectives, Periodization and a Norm-of- Reaction Framework for Modeling Scaffolded Development," Explaining Development, Istituto Veneto di Scienze Lettere ed Arti Palazzo Loredan, Venezia, 9-10 September 2014.

“Model Taxa as Representations and Platforms for Comparative Biological Research,” Science Studies Program, UC San Diego, January 27, 2014.

2013

“On Gánti’s Contributions to the Philosophy of Biology,” Lake Balaton Meeting on Systems Chemistry in Memory of Tibor Gánti (1933-2009), Badacsony, Hungary, May 8-12, 2013.

Keynote Address, “Model Taxa as Platforms for Biological Research,” Society for the Philosophy of Science in Practice, Toronto, June 26-29, 2013.

2012

Keynote Address, National Committee for HPS, Australian Academy of Sciences, Sydney, 28 September 2012.

Alberto Coffa Memorial Lecture, Indiana University, “On the Status of Hybrids: A Relational View of Individuality, Development and Units of Inheritance,” March 23, 2012.

2011

“Chemoton Models and Origins-of-Life Scenarios: A Reproducer Perspective,” Université Paris, IHPST (Institut d'histoire et de philosophie des sciences et des techniques), Paris France, October 24, 2011.

“Chemoton Models and Origins-of-Life Scenarios: A Reproducer Perspective,” EHU-UPV (University of the Basque Country), Department of Logic and Philosophy of Science, Donostia/ San Sebastián Spain, October 20, 2011.

“David Wake’s Taxon-Focused Research System,” James Griesemer, Workshop at the Minnesota Center for Philosophy of Science: “Integration in contemporary biology: philosophical perspectives on the dynamics of interdisciplinarity,” September 23-25, 2011.

“Beyond Boundary Objects," Workshop Celebrating Contributions of Leigh Star, University of California, San Francisco, September 9-10, 2011.

"Conceptual Foundations of the “Inexact” Sciences," Workshop on the Meanings of Theory in Biology, Konrad Lorenz Institute, Altenberg Austria, July 1-3, 2011.

"Science as Tracking: Towards an Ethics of Attention and Pragmatics of Commitment," Workshop on Fact / Value: Models, Simulations and Representations of Knowledge, University of Chicago, June 3-4, 2011.

“Research Systems and Taxon-Focused Research in Collections-Based Biology,” Workshop on "The Whys and Hows of Establishing New Model Systems in Biology and Neuroscience," Arizona State University, February 6, 2011.

2010

“Origin Stories and Theoretical Biology: On Not Begging The Question,” Minnesota Center for Philosophy of Science, October 8, 2010.

“David Wake and Evolutionary Morphology’s Contribution to Evo-Devo,” Konrad Lorenz Institute Workshop on the 30th anniversary of the Dahlem Workshop on Evolution and Deveopment, Berlin Germany, July 15-18, 2010.

“Scaffolding Development and Culture,” Konrad Lorenz Institute, Workshop on Scaffolding in Development, Culture and Evolution, Altenberg Austria, July 8-11, 2010.

Author Meets Critic, Peter Godfrey-Smith’s Darwinian Populations and Natural Selection (Oxford), American Philosophical Association, Pacific Division, San Francisco, March 31 - April 4, 2010.

2009

October 30, 2009, Discussion of my work with Lisa Gannett on the history of genetic mapping, Seminario sobre Genómica Critica, UNAM, Mexico City, Mexico.

“Heuristic Reductionism and the Relative Significance of Epigenetic Inheritance in Evolution,” Transformations of Lamarckism: 200 Years to the *Philosophie Zoologique*, The Twenty-Third Annual International Workshop on the History and Philosophy of Science, Tel Aviv University and The Van Leer Jerusalem Institute, June 7-10, 2009.

“Tracking Mendel,” Department of Philosophy, University of California, Santa Cruz, May 7, 2009.

“ The Relative Significance of Epigenetic Inheritance in Evolution,” Center for Philosophy of Science, University of Pittsburgh, March 20, 2009.

2008

“What Models in Evolutionary Biology Don’t Mean,” Philosophy of Science Association, Pittsburgh, November 6, 2008.

“There and Back Again: Natural History, Biodiversity, and the Problem of Locality,” Workshop for the Cultural Study of Science and Technology, Rice University, October 31, 2008.

“The MVZ’s First Century: Perspectives from the History, Philosophy, and Sociology of Science” (talk co-authored with Elihu Gerson and Cathryn Carson), Museum of Vertebrate Zoology, University of California, Berkeley, Centennial Celebration: “Drawing the Lines: A Celebration of Art and History”, October 4, 2008.

“The MVZ’s First Century: Perspectives from the History, Philosophy, and Sociology of Science” (talk co-authored with Elihu Gerson and Cathryn Carson), The Philosophical Pizza Munch, California Academy of Sciences, October 2, 2008.

"Neo-Heraclitus: Objectivity, Judgment and a Problem of Locality in Biodiversity Research," Committee on Conceptual and Historical Studies of Science and the Fishbein Center for History of Science, University of Chicago, April 11 2008.

"Tracking, Abstracting and Colligating Work Make Scientific Facts that can Travel," Workshop on Making Small Facts Travel: Labels, Packages, and Vehicles, London School of Economics and Political Science, March 28 2008.

"What Simon Should Have Said (About Dynamical Boundaries)," The Edges and Boundaries of Biological Objects Workshop, University of Utah, March 13 2008.

2007

"History as a New Method for Theoretical Biology," Conference on Science in the Context of Application, Zentrum für interdisziplinäre Forschung, Bielefeld September 28, 2007.

Participant, Future Challenges in Theoretical Biology, Santa Fe Institute, August 13-15, 2007.

"What Simon Should Have Said," International Society for History, Philosophy, and Social Studies of Biology," Exeter July 29, 2007.

"Comments," Critically Assessing [Ron Amundson] The Changing Role of the Embryo I (author-meets-critics roundtable), International Society for History, Philosophy, and Social Studies of Biology," Exeter July 27, 2007.

2006

Chair, Origins and Transformations Workgroup, Theoretical Biology Workshop, National Science Foundation, September 27-29, 2006.

Navel Gazing and Problem Convergence: A Budget of Problems in Biology Studies, FDIBS (Future Directions in Biology Studies) workshop, International Society for History, Philosophy, and Social Studies of Biology off-year workshop, July 30, 2006.

"Variational Models for Developmental Processes: Towards a New Ontology for Evo-Devo," Altenberg Seminars in Theoretical Biology, University of Vienna, 22-23 June 2006.

2005

"Rethinking Classical Embryology and Genetics from an Evolutionary Process Perspective" Department of Philosophy, University of Calgary, Canada, October 25, 2005.

"Rethinking Classical Embryology and Genetics from an Evolutionary Process Perspective" Fourth Developmental Basis of Evolutionary Change (DBEC) Conference, University of Chicago, October 21, 2005.

"Rethinking Classical Embryology and Genetics from an Evolutionary Process Perspective" Evolution Discussion Group, University of California, Davis, October 5, 2005.

"Reproducers and the evolutionary development of culture," Symposium on "The Evolution of Cultural Novelty, International Society for History, Philosophy and Social Studies of Biology, Guelph, Canada, July 14, 2005.

"Tracking organic processes: representations and research styles in classical embryology and genetics", Science Studies, UC San Diego, January 24, 2005.

2004

"Genetics from an Evolutionary Process Perspective," National University of Mexico (UNAM), November 15-16 2004.

“Collaboration or, how to “ishkabibble” in philosopher’s clothing,” Keynote presentation, FDISH (ISHPSSB Future Directions in the History, Philosophy, and Social Studies of Biology Workshop), University of San Francisco, September 23, 2004.

2003

"Chemical Autonomy and Stoichiometric Freedom," International Society for History, Philosophy and Social Studies of Biology, Vienna Austria, July 20, 2003.

"Reproduction, Freedom, Autonomy and the Levels of Life," Konrad Lorenz Institute, Altenberg Austria, June 26, 2003.

"Rethinking the Gene" (with Nipam Patel and Evelyn Fox Keller), on *Odyssey. A Daily Talk Show of Ideas (www.odysseyradio.org)*, hosted by Gretchen Helfrich, WBEZ (Chicago Public Radio), 10-11 am CT, February 20, 2003. http://www.wbez.org/services/ram/od/od_030220.ram

2002

"A Process Perspective on Explanatory Styles in Embryology and Genetics," in the workshop: From Embryology to Evo-Devo,
Dibner Institute for the History of Science and Technology, Cambridge MA, October 18-19, 2002.

“INFORMATION, PARITY AND THE MULTIPLICITY OF INHERITANCE SYSTEMS” in a Symposium: The Concept of Information in Biology, International Congress of Systematic and Evolutionary Biology VI, Patras Greece, Sept 14, 2002.

"Rebuilding, Reproducing, Evolving. Reflections on shikinen sengu and the cultural evolution of Ise Shrine, Japan," Philosophical Institute, UNAM, Mexico City, June 27, 2002.

"Space <->Time: Temporality and Attention in Iconographies of the Living," Experimental Arcades: The Materiality of Time Relations in Life Sciences, Art, and Technology (1830-1930), Internationale Begegnungsstätte "Harry Graf Kessler", Weimar, Friday, 24 May 2002.

"The Gene, the Replicator, and the Reproducer," History and Philosophy of Science Department, Indiana University, January 11, 2002.

2001

"History and Philosophy of the Genetic Code," Information Session on Genetic Information, American Philosophical Association, Eastern Division meeting, Atlanta, Dec. 30, 2001.

"Managing Time in Model Systems: Illustrations from Evolutionary Biology," Centre for the History of Science, Technology and Medicine, University of Manchester, England, December 4, 2001.

"What’s genetic about the genetic code?" Lancaster University, England, November 30, 2001.

"What’s "epi" about epigenetics?", November 25-28, 2001, Ghent University, Reserch Unit on Evolution and Complexity, Symposium on "Contextualizing the Genome: the Role of Epigenetics in Genetics, Development and Evolution." Ghent, Belgium, November 26, 2001.

"Keeping Perspective", Dibner Institute summer workshop, "History of Developmental Biology: From Embryology to Evo-Devo", Marine Biology Laboratory, Woods Hole, Massachusetts, June 6, 2001.

"Managing Time and Attention in Model Systems: Illustrations from the History of Biology", HPS Department, Cambridge University, March 6, 2001.

"Classical Genetics and the Geography of Genes" (with Lisa Gannett), presentation in the workshop, "The Mapping Cultures of 20th Century Genetics", Max Planck Insitute for the History of Science/WissenschaftsForum, Berlin, March 1-4, 2001.

2000

"Picturing Embryological Time," Chronicity or the Narration of Temporal Phenomena, Symposium organised by Collegium Helveticum, ETH Zurich, June 8, 2000.

"Units of reproduction and the promise of reductionistic research in evolutionary biology," Promises and limits of reductionism in biomedical sciences, Philippe Laudat Conference, Abbaye de Royaumont, Paris, May 23, 2000.

"Comments" Author Meets Critics: Kim Sterelny and Paul Griffiths, Sex and Death: An Introduction to the Philosophy of Biology, American Philosophical Association, Pacific Division meeting, Albuquerque, April 8, 2000.

"The Units of Evolutionary Transition", History and Philosophy of Science Department, Indiana University, February 25, 2000.

1999

"Managing Time in Model Systems: Illustrations from Evolutionary Biology", Princeton History of Science Workshop, Model Systems, Cases and Exemplary Narratives, October 2, 1999.

"Weismann and Weismannism", ISHPSSB-99, Oaxaca Mexico, July 7, 1999.

"Genetics in a process perspective", Basel Switzerland, March 19-20, 1999.

1998

"Weismannism in Perspective: Visual Images in Relation to Theoretical Models," for the Sloan Foundation-Dibner Institute workshop "Memory: Genetic, Epigenetic, and Historical," Van Leer Institute, Jerusalem, December 14-17, 1998.

"Reproducers and Replicators: Viewing Genetics from a Process Perspective," for presentation at Duke University, November 16, 1998.

"The Institutionalization of Comparative Research for the 21st Century," California Academy of Science workshop, San Francisco, November 5-7, 1998.

Philosophy of Science Association Meeting, Kansas City, "Development, Culture and the Units of Inheritance," in the Symposium: The Developmental Systems Perspective in Philosophy of Biology, October 23, 1998.

Max Plank Institute for the History of Science, "Contrastive Concept Formation," May 27, 1998.

Max Plank Institute for the History of Science, "Weismannism and Visual Representation," May 25, 1998.

1997

Sloan-Dibner Workshop, "Knowability of Scientific Entities - Genes and Genetic Programs", Ventura California, Dec 4-7, 1997, "Reproduction and the Concept of Genetic Information."

Evolutionary Naturalism 1997: Bioepistemology and the Challenge of Development and Sociality, Altenberg Workshops in Theoretical Biology, Session 13 facilitator: "The Real Synthesis," June 7, 1997.

Sigma Xi, Davis Chapter, "WhatÕs "epi" about Epigenetics?," May 20, 1997.

History of Science and Technology, University of California, Berkeley, "Refiguring Weismannism," May 5, 1997.

Science Studies, University of California, San Diego, "Refiguring Reproduction: The Reduction of Genetics," April 28, 1997.

1996

Max Plank Institute for the History of Science, "Reproduction and the Reduction of Genetics," Berlin Germany, October 1996.

ICSEB-V, "Individuality and the Multiplicity of Inheritance Systems," Budapest Hungary, August 1996.

1995

Discussant, "Replicator II: Judgement Day," session at the meeting of the International Society for History, Philosophy and Social Studies of Biology, Leuven, Belgium, July 20, 1995.

Discussion Panel, California Academy of Sciences, "History in the Service of Museums," San Francisco, May 20, 1995.

1994

Committee on Conceptual Foundations of Science, University of Chicago, "Image and Argument: Toward a Visual Logic of Weismannism," Dec 5, 1994.

Department of Philosophy, Northwestern University, Evanston, "The Distended Replicator, or the Non-concept of Reproduction in Evolutionary Theory," Dec 2, 1994.

Theoretical Biology Seminar, Collegium Budapest (Institute for Advanced Study), Budapest, Hungary, "Weismannism, Heredity/Development and Evolution," Nov 20, 1994.

Symposium: New Perspectives on the History of Life, 75th Annual Meeting of the Pacific Division AAAS, California Academy of Sciences, "Periodization and Models in Historical Biology," June 21, 1994.

Luce Foundation Seminar Series on Biotechnology, Stanford University, "Visual Tools for Talking: Genetic Determination and the Social Hybridization of DNA," May 26, 1994.

Conference on Visual Representations in Science and Technology, Institute for the Medical Humanities, University of Texas Medical Branch at Galveston, "Image and Argument: Toward a Visual Logic of Weismannism," April 29, 1994.

Minnesota Center for Philosophy of Science and Studies of Science and Technology Program, University of Minnesota, "An Image of the Argument: Gaining Perspective on Genotype and Phenotype," January 7, 1994.

1993

Workshop on Systematics as a Historical Science, Museo Civico di Storia Naturale di Milano, "Periodization and Models in Historical Biology," June 24, 1993.

Forschungsschwerpunkt Wissenschaftsgeschichte und Wissenschaftstheorie, Berlin, "High Theory/Low Science: Toward an Institutional Philosophy of Science," June 17, 1993.

1992

Reproduction and Genetics Study Group at Berkeley, Institute for the Study of Social Change, UC Berkeley, "The Non-Concept of Reproduction in Evolutionary Theory," April 9, 1992.

Symposium: Sex and Reproduction, American Philosophical Association, Pacific Division, "Progeneration, Development and the Concept of Reproduction in Evolutionary Theory," Portland Oregon, March 28, 1992.

Class Lecture, Contemporary Medical Biochemistry (BCM 214/414; M. Hanley, UCDMS), "Genetic Susceptibility, Responsibility, and Heritability," UCD, January 24, 1992.

Panel presenter, California Academy of Sciences, "Necessity and Contingency: a consideration of concepts in Stephen J. Gould's book,Wonderful Life," San Francisco, January 17, 1992.

1991

Invited Participant, University of Chicago Centennial Conference on Biology at the University of Chicago, 1892-1950, "Sewall Wright's Influence on Econometrics," November 23, 1991.

West Coast History of Science Society, "Representing Weismannism," Morro Bay, Ca, May 4, 1991.

Genes R Us: So Who is That?, A Conference Sponsored by The University of California Humanities Research Institute and The University of California Biotechnology Research and Education Program, University of California, Irvine, "Weismannism and the Interpretation of Genetic Information," May 2, 1991.

Comment on a paper by Barbara Horan, American Philosophical Association, Pacific Division, San Francisco, "Horan on The Statistical Character of Evolutionary Theory", March 28, 1991.

Invited Participant, University of California Humanities Research Institute program, "Bioethics: Anticipating Ethical Issues of New Developments in Genetics and Genetic Technology," March 1, 1991. Presentation on Weismannism, Development and Molecular Genetics.

1990

History of Science Society, Seattle, Washington, "Collaboration in the Museum of Vertebrate Zoology," Symposium on "Collaboration in Biology" organized by Jane Maienschein, October 27, 1990.

Philosophy of Science Association, Minneapolis, Minnesota, "Material Models in Biology," Symposium on "Biology: The Non-Propositional Side" organized by Michael Ruse, October 20, 1990.

Invited Participant, Dibner Institute for the History of Science and Technology Seminar, "Experimentation in Evolutionary Biology," Marine Biological Laboratory, Woods Hole MA, August 12-19, 1990.

NSF Young Scholars Program, University of California, Davis, "Why Philosophy of Biology?," July 10, 1990.

Science Studies Colloquium, University of California, San Diego, "Organic Machinery: Thomas Park and Sewall Wright at Chicago," April 9, 1990.

1989

NSF Conference on Foundations of Development and Evolution, Santa Fe Institute, Santa Fe NM, "Rhetorical Questions Regarding the Historical Relationship between Evolution and Development," November 5, 1989.

Ecology Seminar, University of California, Davis, "Why Was Ecology Left Out of the Evolutionary Synthesis?," February 17, 1989.

Ecology Seminar, University of California, Davis, "In Defense of Natural History," February 16, 1989.

1988

Committee on Conceptual Foundations of Science, University of Chicago, "Museums as Modeling Systems, A Defense of Natural History," November 4, 1988.

NSF Conference on Evolutionary Biology, Ohio State University, Columbus, Ohio, "Varieties of Models in Biology," July 14, 1988.

1987

Summer Conference on History, Philosophy and Social Studies of Biology, Virginia Polytechnic Institute and State University, Blacksburg, "Laboratory Models and Units of Selection," June 16, 1987.

Biological Anthropology Lecture Series, University of California, Los Angeles, "Vial Mischief: Thomas Park's Laboratory Ecology," April 30, 1987.

1986

Ecology and Evolutionary Biology Department, University of California, Irvine, "Thomas Park's Tribolium Model and the Logic of Laboratory Ecology," December 3, 1986.

Ecology and Evolutionary Biology Department, University of California, Irvine, "The Role of the Collector: Joseph Grinnell, Ecology and the Evolutionary Synthesis (or, How the West Was Lost)," December 2, 1986.

Philosophy of Science, Stanford University, "Indeterminacy and Causal Explanation in Laboratory Ecology," June 5, 1986.

Graduate Group in Physiology, University of California, Davis, "Popper's Philosophy of Science: The Role of the Laboratory Model in Hypothesis Testing," April 11, 1986.

Committee on Conceptual Foundations of Science, University of Chicago, "Artifice, Cause and Group Selection," January 31, 1986.

Kellogg Biological Station, Michigan State University, "Distinguishing Scientists' and Philosophers' Conceptions of Causality," January 29, 1986.

1984

Department of Chemical Engineering, University of California, Davis, "Philosophy of Science and the Science of Philosophy," November 5, 1984.

CONTRIBUTED PAPERS

“Re-situating Scientific Knowledge in Human Population Genomics,” Philosophy of Science Association 2020/2021, poster presentation, Baltimore, November 12, 2021.

“Identity by descent (IBD): as an algorithm-and-simulation practice in current human population genomics research,” presented by coauthor Carlos Andrés Barragán, International Society for the History, Philosophy, and Social Studies of Biology, Cold Spring Harbor Laboratories, July 13, 2021. (virtual)

“Indigeneity within datasets: DNA sequences journeys and genomic representations about the Karitiana (Yjxa) people,” Carlos Andrés Barragán and James Griesemer, presented by Barragán to ClinGen Ancestry & Diversity Journal Club, Stanford University, August 2, 2021. (virtual)

“The re-situation of genomic data and metadata: Human admixture as algorithm-and-modeling practices,” Carlos Andrés Barragán and James Griesemer, Center for History and Philosophy of Science, University of Pittsburgh, January 22, 2021. (virtual)

“Eventualizing human diversity dynamics: admixture modeling through time and space”. “BARRAGÁN, Carlos Andrés; Sivan YAIR, and James R. GRIESEMER. DNA, race, and reproduction working group. November 13, 2020. (virtual)

“When do human genomic ancestry datasets become biomedical datasets?” Carlos Andrés Barragán and James Griesemer, Society for Social Studies of Science, virtual Prague, Czech Republic (online conference), August 18, 2020. (virtual)

“Indigeneity within datasets: DNA sequences journeys and genomic representations about the Karitiana people,” Carlos Andrés Barragán and James Griesemer, International Society for the History, Philosophy, and Social Studies of Biology, Oslo, Norway, July 10, 2019.

“Situating the Resituation of Technoscientific Knowledge,” Conference Session: The Resituation of Scientific Knowledge, International Society for the History, Philosophy, and Social Studies of Biology, São Paulo, Brazil, July 16-21, 2017.

“What Simon Should Have Said,” Symposium: “Scaffolding Werner Callebaut’s Naturalistic Turn,” ISHPSSB 2015, Montréal Canada, July 7, 2015.

"Are research projects *in potentia* credit-worthy?," Workshop on PUBLICATION MISMATCHES: IS THERE A COMMON CURRENCY FOR ACADEMIC CREDIT?, Innovating Communication in Scholarship project and the Center for Science and Innovation Studies, UC Davis, April 17, 2014.

“Reproduction and the Scaffolded Development of Hybrids,” International Society for the History, Philosophy, and Social Studies of Biology, Montpellier France, July 11, 2013.

“Taxon-Focused Research in Collections-Based Biology,” History of Science Society, Montreál, Quebec, Canada, November 6, 2010.

“Are We There Yet? The Problem of Locality in Biodiversity Resurveys,” James Griesemer and Ayelet Shavit, ISHPSSB 2009, Brisbane, Australia, July 16, 2009.

"No Public Exhibits: Reflections on the Methods of a Research Museum," International Society for History, Philosophy and Social Studies of Biology, Leuven, Belgium, July 21, 1995.

"Modeling Systems as Instruments," International Society for History, Philosophy and Social Studies of Biology, University of Western Ontario, London, Ontario, Canada, June 22, 1989.

"Causal Explanation in Laboratory Ecology: The Case of Competitive Indeterminacy," Philosophy of Science Association, Evanston, October 30, 1988.

"Ecology and Abstraction in the Museum of Vertebrate Zoology," Summer Conference on History, Philosophy and Social Studies of Biology, Virginia Polytechnic Institute and State University, Blacksburg, June 17, 1987.

"Representing Scientific Problems by Multiple-Structures Analysis," Society for Social Studies of Science, Four Society Meeting, Pittsburgh, October 26, 1986.

"Linking Concepts with Work Organization: Natural History and Ecological Theories," with S. L. Star, Society for Social Studies of Science, Four Society Meeting, Pittsburgh, October 25, 1986.

"Artifice, Cause and Group Selection," Summer Conference on History, Philosophy and Social Studies of Biology, St. Mary's College, Notre Dame, June 29, 1985.

"Making Up Our Minds About Strong AI: Comments on John Fisher," American Philosophical Association, Pacific Division, San Francisco, March 23, 1985.

"Presentations and the Status of Theories," Philosophy of Science Association, Chicago, October 20, 1984.

"Evolutionary Epistemology," Summer Conference on History, Philosophy and Social Studies of Biology, Denison University, July 18, 1983.