

# HIGHLIGHTS

- Fulbright U.S. Scholar, The Netherlands, University of Groningen, 2025
- Selected to deliver the Arthur W. Staats Lecture for Unifying Psychology at the 2025 meeting of the American Psychological Association
- Fellow at the Center for Advanced Study in the Behavioral Sciences, Stanford University, 2023 – 2024  
Founded in 1954, CASBS brings together deep thinkers across disciplines confronting critical issues of the time in pursuit of intellectual breakthroughs that solve pertinent social problems and reshape the world. CASBS has generated 30 Nobel Prize winners, 52 McArthur awardees, and 176 members of the National Academy of Science (source: <https://casbs.stanford.edu/about>).
- Fellow, American Psychological Association, Division 1 (*General Psychology*)
- Fellow, American Psychological Association, Division 7 (*Developmental Psychology*)
- Recipient of the American Psychological Association's William James Book Award  
The William James Book Award honors an "outstanding" book that brings together diverse subfields of psychology and related disciplines. Winning books provide a creative synthesis of theory, fact, and themes that serve to unify or integrate the field of psychology.
- Recipient of the American Psychological Association's Eleanor Maccoby Book Award  
The Eleanor Maccoby Book Award is presented to the author of a book in the field of psychology that has had or promises to have "a profound effect on developmental psychology."
- Expertise: Infant perceptual and cognitive development
  - Development of spatial cognition in infancy, with a focus on the development of mental rotation
  - Developmental cognitive neuroscience
  - Behavioral epigenetics
  - Developmental and evolutionary systems
- Broad and high-impact publications
  - Psychology flagship journals, including *Psychological Science*, *American Psychologist*, *Frontiers in Psychology*, *Developmental Psychology*, and *Developmental Science*
  - Journals in related fields, including *WIREs Systems Biology and Medicine*, *Behavioral and Brain Sciences*, *Progress in Biophysics and Molecular Biology*, and *WIREs Cognitive Science* (with an Altmetric Score of 193, my *WIREs Cognitive Science* article is in the top 5% of all Altmetric-scored research outputs, the 3rd highest-scoring paper ever published in this journal, and its most downloaded article from 2017)
  - General science journals, including *Annals of the New York Academy of Sciences* and *PLoS ONE*
- Interdisciplinary collaborations
  - Consultant on the DARPA-funded **Machine Common Sense** program, which yielded a \$1,999,774 grant, a paper that was a Finalist for the Best Paper Award at the 2022 IEEE *International Conference on Development and Learning* in London, and a paper on evaluating Artificial Intelligence presented at the Conference on Cognitive Development in Budapest
- Invited lectures delivered in Sweden, The Netherlands, Brazil, Mexico, Portugal, Canada, England, and Japan
- Public engagement
  - Articles about my work in the *New York Times*, *Wall Street Journal*, *Scientific American*, and *Parents* magazine
  - Blogs on *The Huffington Post* and *Psychology Today*
  - Interviews distributed through National Public Radio and multiple podcasts
- Professional service
  - Director of the Developmental Sciences Program at the National Science Foundation, Behavioral & Cognitive Sciences Division, Washington, D.C.
  - Member-at-Large of the American Psychological Association's Division 7 Executive Committee
  - Consulting editorial board member of the journal *Child Development Perspectives*

# DAVID S. MOORE, Ph.D.

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## EMPLOYMENT

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2024 – Present Chief Cognitive Scientist, Sharp Machine, Inc.  
2024 – Present Emeritus Professor of Psychology, Pitzer College  
2001 – 2024 Professor of Psychology, Pitzer College and Claremont Graduate University  
1989 – 2022 Director, Claremont Infant Study Center, Pitzer College  
Spring, 2022 Visiting Professor of Psychology, Claremont McKenna College  
2016 – 2018 Director, Developmental Sciences Program at the U.S. National Science Foundation (NSF)  
Spring, 2009 Visiting Researcher at Kumamoto International University, Kumamoto, Japan  
2005 – 2006 Guest Professor of Psychology, Sarah Lawrence College  
2004 – 2006 Professor of Psychology, Yeshiva University  
Spring, 2004 Visiting Professor of Psychology, Florida International University  
1995 – 2001 Associate Professor of Psychology, Pitzer College and Claremont Graduate School  
1989 – 1995 Assistant Professor of Psychology, Pitzer College and Claremont Graduate School  
1988 – 1989 Post-Doctoral Fellow in Developmental Psychology, City University of New York

## EDUCATION

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1988 Ph.D. Harvard University, Psychology  
Major: Developmental Psychology, Minors: Psychobiology, Social Psychology  
Dissertation: "Auditory and Visual Integration in Very Young Infants"  
Advisor: Professor Jerome Kagan  
1985 M.A. Harvard University, Psychology  
1983 B.A. Tufts University, Psychology, *Magna Cum Laude*

## HONORS, AWARDS, AND SCHOLARSHIPS

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2025 Fulbright U.S. Scholar, University of Groningen, The Netherlands  
2025 Selected to deliver the Arthur W. Staats Lecture for Unifying Psychology at the annual convention of the American Psychological Association  
2023 – 2024 Fellow, Center for Advanced Study in the Behavioral Sciences (CASBS), Stanford University  
2022 Elected Fellow, American Psychological Association, Division 1 (*General Psychology*)  
2021 Elected Fellow, American Psychological Association, Division 7 (*Developmental*)  
2016 Recipient of the American Psychological Association's William James Book Award, for an "outstanding" book that synthesizes "diverse subfields of psychology & related disciplines"  
2016 Recipient of the American Psychological Association's Eleanor Maccoby Book Award, for a book that has had a "profound effect" on Developmental Psychology  
2012 Scholar, Helen Riaboff Whiteley Center, University of Washington, Friday Harbor Laboratories  
1987 – 1988 Social Science Dissertation Fellowship, Harvard University  
1986 – 1987 Harvard University Scholarship  
1985 – 1986 Harvard University Scholarship  
1983 *Magna Cum Laude* with Honors in psychology, Tufts University  
1983 Psi Chi National Honor Society (psychology)

## GRANTS

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2025 Research/travel grant from the Fulbright Commission, The Netherlands  
2019 – 2024 Psychometric Intelligent Agent Graphical Environment and Testbed (PIAGET), Defense Advanced Research Projects Agency (BAA *Machine Common Sense* [HR001119S0005]: \$1,999,774 total costs). P.I.: Victoria Romero  
Consultants: David S. Moore, Lisa M. Oakes, & Koleen McCrink

## GRANTS, CONTINUED

2010 – 2013	<u>MRI: Acquisition of a High-density Electrophysiology Laboratory for Intercollegiate Research and Training in Cognitive Neuroscience.</u> National Science Foundation (BCS-1039791, \$411,008 total costs). P.I.: Alan Hartley Co-P.I.s: David S. Moore, Michael Spezio, Stacey Wood, & Catherine Reed
2010 – 2011	<u>Workshop: Exploring the Concept of Homology in Developmental Psychology.</u> National Science Foundation (BCS-1023899, \$32,292 total costs) P.I.: David S. Moore, Co-P.I.: Chris Moore
1990 – 2020	Pitzer College research grant (24 awards)
1990 – 2023	Doman Social Sciences Research grants (23 awards)
1998 – 1999	Two course Development Grants from the Claremont Colleges Neurosciences Program
1997	Faculty Development Grant from the Claremont Colleges Academic Deans Council, Development Seminar
1989	Individual National Research Service Award, Postdoctoral level (NICHHD); 1 F32 HD07329-01: Declined
1988 – 1989	National Research Service Postdoctoral Fellowship (NICHHD); 5 T32 HD07196

## PUBLICATIONS (# denotes equal authorship)

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- Moore, D. S.**, Kampourakis, K., & Gericke, N. M. (In Press). The problems with genetic essentialism, determinism, and reductionism. *Human Development*. <https://doi.org/10.1159/000543465>
- Puglia, M. H., **Moore, D. S.**, & Lickliter, R. (In Press). Introduction to the special issue on developmental plasticity in early human development. *Infancy*. <https://doi.org/10.1111/infa.70006>
- Gilbert, S. F., & **Moore, D. S.** (In Press). “You complete me”: A conversation about drawing attention to cooperation in biology education. In P. Mikulan & N. Sinclair (Eds.), *Futures of learning and learning futures in times of (de)extinction*. Bloomsbury.
- Moore, D. S.** (2025). What Galton’s eugenics has wrought: Behavior genetics and heritability. In R. M. Lerner & G. Greenberg (Eds.), *The heredity hoax: Challenging flawed genetic theories of human development* (pp. 91 – 104). Routledge.
- Moore, D. S.**, Moore, D. M., & Johnson, S. P. (2024). Minding the gap: A sex difference in young infants’ mental rotation through thirty degrees of arc. *Frontiers in Psychology*, 15. doi: 10.3389/fpsyg.2024.1415651
- Moore, D. S.** & Lewkowicz, D. J. (2024). How do babies come to know what babies know? *Behavioral and Brain Sciences*, 47, e138. doi:10.1017/S0140525X23003102
- Moore, D. S.** (2024). Epigenetics and character virtue development. In M. D. Matthews & R. M. Lerner (Eds.), *The Routledge international handbook of multidisciplinary perspectives on character development, Vol. 1: Conceptualizing and defining character* (pp. 13 – 33). Routledge.
- Witherington, D. C., Lickliter, R., & **Moore, D. S.** (2023). Introduction to the special issue: Development, evolution, and movements toward resynthesis. *Human Development*, 67, 229 – 232. <https://doi.org/10.1159/000534419>
- Witherington, D. C., Lickliter, R., & **Moore, D. S.** (2023). What taking development seriously means for evolutionary theory. *Human Development*, 67, 318 – 327. <https://doi.org/10.1159/000535723>
- Moore, D. S.**,<sup>#</sup> & Lickliter, R.<sup>#</sup> (2023). Development as explanation: Understanding phenotypic stability and variability after the failure of genetic determinism. *Progress in Biophysics and Molecular Biology*, 178, 72 – 77. <https://doi.org/10.1016/j.pbiomolbio.2023.01.003>

## PUBLICATIONS, CONTINUED (# denotes equal authorship; \* denotes student author)

- Moore, D. S.** (2023). On the evolution of epigenetics via exaptation: A developmental systems perspective. *Annals of the New York Academy of Sciences*, 1529(1), 21 – 32. <https://doi.org/10.1111/nyas.15065>
- Lickliter, R.,# & **Moore, D. S.**# (2023). Molecular and systemic epigenetic inheritance: Integrating development, genetics, and evolution. *Human Development*, 67, 305 – 317. <https://doi.org/10.1159/000533192>
- Moore, D. S.** (2023). Polygenic scores ignore development and epigenetics, dramatically reducing their value. *Behavioral and Brain Sciences*, 46, E220. <https://doi.org/10.1017/S0140525X22002473>
- Moore, D. S.**, Oakes, L. M., Romero, V. L., & McCrink, K. C. (2022). Leveraging developmental psychology to evaluate artificial intelligence. *2022 IEEE International Conference on Development and Learning (ICDL)*, London, United Kingdom, pp. 36-41, <https://doi.org/10.1109/ICDL53763.2022.9962183>
- This article was a Finalist for the Best Paper Award at IEEE ICDL 2022, London, U.K.
- Moore, D. S.**, Witherington, D. C., Narvaez, D., Vandiver, T. I., & Lickliter, R. (2022). How deep do we have to go to rehabilitate evolutionary psychology? Reply to Bjorklund, Ellis, & Geary (2022). *American Psychologist*, 77(6), 784 – 785. <https://doi.org/10.1037/amp0001015>
- Narvaez, D.,# **Moore, D. S.**,# Witherington, D. C.,# Vandiver, T. I.,# & Lickliter, R.# (2022). Evolving evolutionary psychology. *American Psychologist*, 77(3), 424 – 438. <http://dx.doi.org/10.1037/amp0000849>
- Reprinted in 2025, in R. M. Lerner & G. Greenberg (Eds.), *The heredity hoax: Challenging flawed genetic theories of human development* (pp. 221 – 241). Routledge.
- Moore, D. S.** & Johnson, S. P. (2020). The development of mental rotation ability across the first year after birth. *Advances in Child Development and Behavior*, 58, 1 – 33. <https://doi.org/10.1016/bs.acdb.2020.01.001>
- Johnson, S. P. & **Moore, D. S.** (2020). Spatial thinking in infancy: Origins and development of mental rotation between 3 and 10 months of age. *Cognitive Research: Principles and Implications*, 5, 10. doi: 10.1186/s41235-020-00212-x
- Moore, D. S.** & Flom, R. (2020). Epigenetics and behavioral development. *Infant Behavior and Development*, 61. <https://doi.org/10.1016/j.infbeh.2020.101477>
- Constantinescu, M.,\* **Moore, D. S.**, Johnson, S. P., & Hines, M. (2018). Early contributions to infants' mental rotation abilities. *Developmental Science*, 21(4): e12613
- Slone, L. K.,\* **Moore, D. S.**, & Johnson, S. P. (2018). Object exploration facilitates 4-month-olds' mental rotation performance. *PLoS ONE* 13(8): e0200468.
- Moore, D. S.** (2018). Gene × Environment Interaction: What exactly are we talking about? *Research in Developmental Disabilities*, 82, 3 – 9.
- Christodoulou, J.,\* Leland, D. S., & **Moore, D. S.** (2018). Overt and covert attention in infants revealed using steady-state visually evoked potentials. *Developmental Psychology*, 54, 803 – 815.
- Heil, M., Krüger, M., Krist, H., Johnson, S. P., & **Moore, D. S.** (2018). Adults' sex difference in a dynamic mental rotation task: Validating infant results. *Journal of Individual Differences*, 39, 48 – 52.
- Moore, D. S.** (2017). Behavioral epigenetics [Individual Development & Behavior Collection]. *WIREs Systems Biology and Medicine*, 9(1), e1333. doi: 10.1002/wsbm.1333
- Reprinted in 2025, in R. M. Lerner & G. Greenberg (Eds.), *The heredity hoax: Challenging flawed genetic theories of human development* (pp. 409 – 417). Routledge.

## PUBLICATIONS, CONTINUED (\* denotes student author)

- Moore, D. S.** (2017). The potential of epigenetics research to transform conceptions of phenotype development. *Human Development*, 60, 69 – 80.
- Moore, D. S. & Shenk, D.** (2017). The heritability fallacy [Individual Development & Behavior Collection]. *WIREs Cognitive Science*, 8. doi: 10.1002/wcs.1400
- This was the single most downloaded article published in the 2017 volume of *WIREs Cognitive Science*; it has an Altmetric Score of 193—in the top 5% of all Altmetric-scored research outputs—and is the 3<sup>rd</sup> highest-scoring paper ever published in *WIREs Cognitive Science*
  - Reprinted in 2025, in R. M. Lerner & G. Greenberg (Eds.), *The heredity hoax: Challenging flawed genetic theories of human development* (pp. 290 – 298). Routledge.
- Christodoulou, J.,\* Lac, A., & **Moore, D. S.** (2017). Babies and math: A meta-analysis of infants' simple arithmetic competence. *Developmental Psychology*, 53, 1405 – 1417.
- Moore, D. S.** (2017). Epigenetics. In A. E. Wenzel (Ed.), *SAGE encyclopedia of abnormal and clinical psychology* (pp. 1351 – 1352). Thousand Oaks, CA: Sage Publications. doi: 10.4135/9781483365817.n541
- Christodoulou, J.,\* Johnson, S. P., Moore, D. M., & **Moore, D. S.** (2016). Seeing double: Five-month-olds' mental rotation of dynamic, 3D block stimuli presented on dual monitors. *Infant Behavior & Development*, 45, 64 – 70.
- Moore, D. S.** (2016). The developmental systems approach and the analysis of behavior. *The Behavior Analyst*, 39, 243 – 258. DOI 10.1007/s40614-016-0068-3
- Moore, D. S.** (2015). *The developing genome: An introduction to behavioral epigenetics*. New York: Oxford University Press.
- Winner of the William James Book Award, APA Division 1
  - Winner of the Eleanor Maccoby Book Award, APA Division 7
- Moore, D. S.** (2013). Behavioral genetics, genetics, & epigenetics. In P. D. Zelazo (Ed.), *Oxford handbook of developmental psychology* (pp. 91 – 128). New York: Oxford University Press.
- Moore, D. S.** (2013). Current thinking about nature and nurture. In K. Kampourakis (Ed.), *The philosophy of biology: A companion for educators* (pp. 629 – 652). New York: Springer.
- Moore, D. S. & Moore, C.** (2013). Homology in developmental psychology. *Developmental Psychobiology*, 55(1).
- Moore, D. S.** (2013). The babies, the representations, and the nativist-empiricist bathwater. Commentary on “Stepping off the pendulum: Why only an action-based approach can transcend the nativist–empiricist debate” by J. Allen & M. Bickhard. *Cognitive Development*, 28, 148 – 153.
- Moore, D. S.** (2013). Importing the homology concept from biology into developmental psychology. *Developmental Psychobiology*, 55, 13 – 21.
- Moore, D. S.** (2013). Big B, little b: Myth #1 is that Mendelian genes actually exist. In S. Krimsky & J. Gruber (Eds.), *Genetic explanations: Sense and nonsense* (pp. 43 – 50). Harvard University Press.
- Moore, D. S.** (2012). Sex differences in normal fetuses and infants: A commentary. *Child Development Perspectives*, 6, 414 – 416.
- Moore, D. S. & Johnson, S. P.** (2011). Mental rotation of dynamic, three-dimensional stimuli by 3-month-old infants. *Infancy*, 16, 435 – 445.
- Moore, D. S. & Moore, C.** (2010). Neural re-use as a source of developmental homology. *Behavioral and Brain Sciences*, 33, 284 – 285.

## PUBLICATIONS, CONTINUED (\* denotes student author)

- Moore, D. S.** (2009). Probing predispositions: The pragmatism of a process perspective. *Child Development Perspectives*, 3, 91 – 93.
- Moore, D. S.** & Johnson, S. P. (2008). Mental rotation in human infants: A sex difference. *Psychological Science*, 19, 1063 – 1066.
- Moore, D. S.** (2008). Integrating development and evolution in psychology: Looking back, moving forward [Special issue]. *New Ideas in Psychology*, 26(3).
- Moore, D. S.** (2008). Individuals and populations: How biology's theory and data have interfered with the integration of development and evolution. *New Ideas in Psychology*, 26, 370 – 386.
- Moore, D. S.** (2008). Espousing interactions and fielding reactions: Addressing laypeople's beliefs about genetic determinism. *Philosophical Psychology*, 21, 331 – 348.
- Moore, D. S.** & Cocas, L. A.\* (2006). Perception precedes computation: Can familiarity preferences explain apparent calculation by human babies? *Developmental Psychology*, 42, 666 – 678.
- Moore, D. S.** (2006). A very little bit of knowledge: Re-evaluating the meaning of the heritability of IQ. *Human Development*, 49, 347 – 353.
- Spence, M. J. & **Moore, D. S.** (2003). Categorization of infant-directed speech: Development from 4 to 6 months. *Developmental Psychobiology*, 42, 97 – 109.
- Moore, D. S.** (2002). *The dependent gene: The fallacy of "nature vs. nurture."* New York: Times Books/Henry Holt & Co.
- Nominated for the Cognitive Development Society's Best Authored Volume award
- Spence, M. J. & **Moore, D. S.** (2002). Categorization of infant-directed speech. In J. W. Fagen & H. Hayne (Eds.), *Progress in infancy research* (Vol. 2, pp. 261 – 293). Mahwah, N.J.: Lawrence Erlbaum Associates.
- Moore, D. S.**, Spence, M. J., & Katz, G. S. (1997). Six-month-olds' categorization of natural infant-directed utterances. *Developmental Psychology*, 33, 980 – 989.
- Moore, D. S.** (1995). Infants' visual preferences in the presence and absence of auditory stimulation. *Journal of Experimental Child Psychology*, 59, 164 – 177.
- Moore, D. S.**, Benenson, J., Reznick, J. S., Peterson, M., & Kagan, J. (1987). Effect of auditory numerical information on infants' looking behavior: Contradictory evidence. *Developmental Psychology*, 23, 665 – 670.
- Zelazo, P. R., Weiss, M. J., Randolph, M., Swain, I. U., & **Moore, D. S.** (1987). The effects of delay on neonatal retention of habituated headturning. *Infant Behavior and Development*, 10, 417 – 434.

## SPECIAL ISSUES OF JOURNALS (GUEST EDITED)

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- Puglia, M. H., **Moore, D. S.**, & Lickliter, R. (Eds.). (In Press). Developmental plasticity in early human development. *Infancy*.
- Witherington, D. C., Lickliter, R., & **Moore, D. S.** (Eds.). (2023). Putting development back into evolution. *Human Development*, 67(5-6).
- Moore, D. S.** & Flom, R. (Eds.). (2020). Epigenetics and behavioral development. *Infant Behavior and Development*, 57.

## SPECIAL ISSUES OF JOURNALS (GUEST EDITED), CONTINUED

Moore, D. S. & Moore, C. (Eds.). (2013). Homology in developmental psychology. *Developmental Psychobiology*, 55(1).

Moore, D. S. (Ed.). (2008). Integrating development and evolution in psychology. *New Ideas in Psychology*, 26(3).

## INVITED BOOK REVIEWS

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Moore, D. S. (In Press). Review of “Epigenetics and health: A practical guide.” *Quarterly Review of Biology*.

Moore, D. S. (2020). A genetic unraveling: Book review of *Making sense of genes* by Kostas Kampourakis. *New Genetics and Society*, 40(2), 242 – 245. doi: 10.1080/14636778.2020.1775565

Moore, D. S. (2015). The asymmetrical bridge: Book review of James Tabery's "Beyond versus." *Acta Biotheoretica*, 63, 413 – 427. doi: 10.1007/s10441-015-9270-z

Moore, D. S. (2011). Evelyn Fox Keller (2010), *The Mirage of a Space Between Nature and Nurture*. Duke University Press, Durham, N.C. ISBN: 978-0-8223-4731-6, 107 pages, price: \$18.95. *Science & Education*. doi: 10.1007/s11191-011-9374-z

Moore, D. S. (2003, Summer). Trying to fix the development in Evolutionary Developmental Psychology. *The American Journal of Psychology*, 299 – 307.

## CONFERENCE PRESENTATIONS (\* denotes student author)

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Moore, D. S., Moore, D. M.,\* & Johnson, S. P. (March, 2023). Thirty Degrees of Separation: Exploring 5-month-old Infants' Mental Rotation Through a 30-Degree Angle. Presented at the meeting of the Society for Research in Child Development, Salt Lake City, Utah.

McCrink, K. C., Moore, D. S., & Oakes, L. M. (January, 2023). The Evaluation of Artificial Intelligence: Harnessing Developmental Psychology Theory and Methods. Paper presented at the Budapest CEU Conference on Cognitive Development, Budapest, Hungary.

Moore, D. S., Oakes, L. M., Romero, V. L., & McCrink, K. C. (September, 2022). Leveraging Developmental Psychology to Evaluate Artificial Intelligence. Paper presented at the 2022 IEEE International Conference on Development and Learning, London, England.

Moore, D. S. (2022, June). How Newer Conceptions of Inheritance Contribute to a More Integrated Understanding of Development and Evolution. Paper presented in an invited symposium on “Rethinking genetics, epigenetics, and inheritance” at the meeting of the Jean Piaget Society, Philadelphia, Pennsylvania.

Ledbetter, J.\*, Moore, D. S., Rodriguez, M. A., Brown, D. R. (2022, May). The Effect of Daily Visualization Practice on Sports-Related Anxiety, General Anxiety, and Mindfulness in Collegiate Athletes. Presented at the annual meeting of the Association for Psychological Science, Chicago, Illinois.

Moore, D. S. (2021, June). The Constructed Baby: Comments on Oakes, Cashon, & Newcombe. Presented in an invited symposium on “The Competent Baby” at the virtual meeting of the Jean Piaget Society.

Moore, D. M.\*, Johnson, S. P., & Moore, D. S. (2020, July). Mind the Gap: Further Explorations into Mental Rotation in Human Infants. Presented at the virtual International Congress of Infant Studies.

Moore, D. S. (2018, October). Epigenetics and the Development of Psychological Phenotypes. Invited address at the 48<sup>th</sup> annual meeting of the Sociedade Brasileira de Psicologia, São Leopoldo, Brazil.

## CONFERENCE PRESENTATIONS, CONTINUED (\* denotes student author)

- Moore, D. S. (2017, August). The Developing Genome: Epigenetics, Psychology, and Developmental Science. Invited address for the winner of the William James Book Award (APA Division 1), at the meeting of the American Psychological Association, Washington, D.C.
- Moore, D. S. (2017, August). Behavioral Epigenetics and the Centrality of Development. Paper presented at a Collaborative Programming symposium (APA Divisions 1 [General], 7 [Developmental], & 53 [Clinical Child & Adolescent]) titled "The Science, Practice, and Policy of Behavioral Epigenetics: Hype, Holes, and Hopes," at the meeting of the American Psychological Association, Washington, D.C.
- Christodoulou, J.\*, Leland, D. S., Wedel, A.\*, Moore, D. M., & Moore, D. S. (2017, April). Hey Baby! Are You Paying Attention? Presented at the meeting of the Society for Research in Child Development, Austin, Texas.
- Moore, D. S. (2017, April). Driving Development Through Mentorship: A Tribute to J. Steven Reznick. Paper presented at a festschrift titled "Measuring Development: A Tribute to J. Steven Reznick," at the meeting of the Society for Research in Child Development, Austin, Texas.
- Christodoulou, J.\*, Lac, A., & Moore, D. S. (2016, May). Arithmetic in Infancy: A Meta-analysis of Studies Following Wynn (1992). Presented at the meeting of the International Conference on Infant Studies, New Orleans, Louisiana.
- Moore, D. S. (2016, March). Gerald Turkewitz's Scientific Legacy: Seeking the Causes of Development in Physical Antecedents. Paper presented at a sponsored symposium titled "In Honor of Gerald Turkewitz: His Scientific Legacy," at the meeting of the International Conference on Infant Studies, New Orleans, Louisiana.
- Moore, D. S. (2016, March). Behavioral Epigenetics and the Rise of Developmental Science. Invited plenary address at the 18<sup>th</sup> annual Biomedical and Comparative Immunology Symposium, Florida International University, Miami, Florida.
- Moore, D. S. (2016, February). Behavioral Epigenetics: Bringing Biology Into the Analysis of Behavior. Invited address in the Human Development and Gerontology program area at the meeting of the California Association for Behavior Analysis, Santa Clara, California.
- Goldstein, A\*, Smiley, P. A., & Moore, D. S. (2013, April). What Are You Afraid of? Infant Attention to Fearful and Happy Facial Expressions in the Context of Novel Objects. Presented at the meeting of the Society for Research in Child Development, Seattle, Washington.
- Krogh, L. E.\*, Moore, D. S., & Johnson, S. P. (2013, April). Infants' Visual-Manual Object Exploration and Mental Rotation Performance. Paper presented at a symposium titled "Developmental Relationships between Perception and Action," at the meeting of the Society for Research in Child Development, Seattle, Washington.
- Moore, D. S. & Johnson, S. P. (2012, June). Mental Rotation in 5-Month-Olds Tested With Paired Stimuli. Presented at the meeting of the International Conference on Infant Studies, Minneapolis, Minnesota.
- Moore, D. S. (2012, June). Core Knowledge, Evolution, and Development. Paper presented at a symposium titled "Reaching the Limits of the Modern Synthesis: Integrating Development and Evolution in Developmental Psychology," at the meeting of the Jean Piaget Society, Toronto, Canada.
- Krogh, L. E.\*, Moore, D. S., & Johnson, S. P. (2011, April). Visual-Manual Object Exploration and Mental Rotation in Infancy. Presented at the meeting of the Society for Research in Child Development, Montreal, Canada.



## CONFERENCE PRESENTATIONS, CONTINUED (\* denotes student author)

- Moore, D. S. (2011, April). Reintegrating Evo and Devo: A Consideration of the Problem. Paper presented at a symposium titled "Reintegrating Evolution and Development in Developmental Research," at the meeting of the Society for Research in Child Development, Montreal, Canada.
- Moore, D. S. (2011, February). On Interactions between Genetic and Environmental Contributors to Behavioral Development. Invited address at the meeting of the California Association for Behavior Analysis, San Francisco, California.
- Moore, D. S. (2010, April). Sex Differences in Infants: The Case of Metal Rotation. Paper presented at a symposium titled "Sex Differences in Infants," at the Gender Development Research Conferences, San Francisco, California.
- Moore, D. S. (2009, May). On Heritability and "Inheritability:" How Behavior Contributes to Genetic Expression. Paper presented at a symposium titled "The Bigger Picture from Infancy to Evolution: Genes, Development, and Behavior Analysis," at the meeting of the International Association for Behavior Analysis, Phoenix, Arizona.
- Moore, D. S. & Johnson, S. P. (2009, April). Mental Rotation in Human Infants: A Sex Difference. Paper presented at a symposium titled "Development of Mental Rotation in Infancy and Early Childhood," at the meeting of the Society for Research in Child Development, Denver, Colorado.
- Moore, D. S. & Johnson, S. P. (2008, March). Mental Rotation in Human Infants: A Sex Difference. Presented at the meeting of the International Conference on Infant Studies, Vancouver, B.C., Canada.
- Moore, D. S. (2007, May). The Developmental-Systems Perspective on the Analysis of Behavior. The invited B.F. Skinner Lecture at the 33<sup>rd</sup> annual meeting of the Association for Behavior Analysis: International, San Diego, California.
- Moore, D. S. (2006, June). Addition and Subtraction in Infancy: Sex Differences and the Role of Test Stimulus Familiarity. Presented at the meeting of the International Conference on Infant Studies, Kyoto, Japan.
- Romero, V. L.\* & Moore, D. S. (2006, June). Attention Control in Early Infancy: 2-, 3-, and 4-Month-Olds' Ability to Inhibit Visual Attention to an Attractive Stimulus. Presented at the meeting of the International Conference on Infant Studies, Kyoto, Japan.
- Moore, D. S. (2004, May). Irreconcilable Differences? The Relationship of Development and Evolution. A roundtable discussion chaired at the 14<sup>th</sup> International Conference on Infant Studies, Chicago, Illinois.
- Cocas, L. A.\* & Moore, D. S. (2003, November). Infant Language Exposure to Parental Speech at 6 and 12 Months of Age. *Developmental Psychobiology*, 43, 251. Abstract from the proceedings of the 36<sup>th</sup> Annual Meeting of the International Society for Developmental Psychobiology, New Orleans, LA.
- Moore, D. S. (2003, June). Inadvertent Instruction and Statistical Learning in The Emergence of Phoneme Categories: Comments on Heitner, 2003. Presented at the meeting of the Society for Philosophy and Psychology, Pasadena, CA.
- Spence, M. J. & Moore, D. S. (2000, July). Evidence for Changes in Categorization of Infant-Directed Utterances Between 4 and 6 Months. *Infancy*, 1. Special issue of abstracts of papers presented at the twelfth International Conference on Infant Studies, Brighton, England.
- Romero, V. L.\*, Moore, D. S., Weiss, M. J. S., & Davis, M. R.\* (1998, July). Categorization of Tokens from a Continuous Stimulus Dimension by 4-Month-Old Human Infants. Abstract in the proceedings of the 31<sup>st</sup> Annual Meeting of the International Society for Developmental Psychobiology, Orleans, France.

## CONFERENCE PRESENTATIONS, CONTINUED (\* denotes student author)

- Moore, D. S. (1997, April). Infant Mathematical Skills? A Conceptual Replication. Abstract in the 11<sup>th</sup> volume of abstracts from the meeting of the Society for Research in Child Development, Washington, D. C.
- Moore, D. S., & Spence, M. J. (1996, April). Infants' Categorization Of Unfiltered Infant-Directed Utterances. *Infant Behavior and Development*, 19. Special issue of abstracts of papers presented at the tenth International Conference on Infant Studies, Providence, Rhode Island.
- Spence, M. J., Moore, D. S., & Longest, M.\* (1995, November). Categorization of Infant-Directed Utterances Develops Between 3 and 6 Months of Age. Abstract published in proceedings from the meeting of the International Society for Developmental Psychobiology, San Diego, CA.
- Moore, D. S., Weiss, M. J. S., & Coleman, H.\* (1994, June). Four-Month-Olds Form Perceptual Number Categories. *Infant Behavior and Development*, 17. Special issue of abstracts of papers presented at the ninth International Conference on Infant Studies, Paris, France.
- Spence, M. J., & Moore, D. S. (1994, June). Six-Month-Olds' Categorization of Infant-Directed Prosody. *Infant Behavior and Development*, 17. Special issue of abstracts of papers presented at the ninth International Conference on Infant Studies, Paris, France.
- Moore, D. (1993, March). Simultaneous Auditory and Visual Depth Perception in 4- and 7-Month-Old Infants. Abstract published in the ninth volume of abstracts from the meeting of the Society for Research in Child Development, New Orleans, Louisiana.
- Moore, D., & Weiss, M. J. S. (1992, May). Perceptual Category Formation in Four-Month-Olds. *Infant Behavior and Development*, 15, 586. Special issue of abstracts of papers presented at the eighth International Conference on Infant Studies, Miami, Florida.
- Moore, D. (1989, April). Infants' Looking is Influenced by Rate of Change of Auditory Stimuli. Abstract published in the seventh volume of abstracts from the meeting of the Society for Research in Child Development, Kansas City, Missouri.
- Moore, D., & Gibbons, J. (1988, April). Early Auditory and Visual Integration in Four-Month-Old Infants. *Infant Behavior and Development*, 11, 222. Special issue of abstracts of papers presented at the sixth International Conference on Infant Studies, Washington, DC.

## INVITED LECTURES

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- Stanford University, 2024, December 4. Possible roles for developmental science in the creation of artificial general intelligence.
- Case Western Reserve University, 2024, November 7. The development of mental rotation in early infancy.
- Karlstad University, *Genetics and Evolution Education Research Workshop*, 2024, June 17. How to think about heritability and inheritability.
- University of California, Davis, 2024, February 15. Roles for developmental science in the creation of AI: A post-mortem on DARPA's Machine Common Sense program.
- University of Southern California, Information Sciences Institute (USC/ISI), 2024, January 12. What developmental science brings to the creation of Artificial General Intelligence: A post-mortem evaluation of DARPA's Machine Common Sense program.

## INVITED LECTURES, CONTINUED

- Rijksuniversiteit Groningen, The Netherlands, 2022, October 19. An introduction to behavioural epigenetics.
- University of California, Los Angeles (UCLA), 2022, February 22. Developmental science and DARPA's Machine Common Sense project.
- Claremont Graduate University, 2021, October 15. Why is the U.S. defense department interested in babies? DARPA's Machine Common Sense project.
- Pomona College, 2019, December 5. On the transgenerational transmission of trauma.
- Universidade Federal de São Carlos, Brazil, 2018, October 22. Epigenetics and the development of psychological phenotypes.
- Universidade Federal de São Carlos, Brazil, 2018, October 22. Mental rotation in human infants: Early developments and antecedent factors.
- Georgetown University, 2018, January 24. Cognitive development: The role of epigenetics.
- University of Mary Washington, 2017, September 14. Epigenetics, psychology, and developmental science.
- University of California, Riverside, 2016, February 1. How genomes develop: The epigenetic interface between genes and environments.
- El Colegio de Mexico, conference on *Integrating Genetics and the Social Sciences*, 2016, August 18. Integrating genetics & the social sciences: The promise of behavioral epigenetics.
- The International Champalimaud Neuroscience Doctoral Programme *Workshop on Homology in Neuroethology*, Lisbon, Portugal, 2014, November 26. Importing the homology concept from evolutionary biology.
- Pomona College Psi Chi lecture, 2013, April 11. Epigenetics: The bridge between biology and psychology.
- University of British Columbia, Canada, 2012, July 11. Epigenesis and the epigenetics revolution.
- University of Southern California, 2012, April 19. Mental rotation of 3D objects in early infancy.
- The UCLA Center for Society and Genetics, 2010, May 20. The Epigenetic Revolution: Changing views of biopsychological inheritance, and what it all means for society.
- Keck Graduate Institute, 2010, February 11. Epigenetics and the fallacy of genetic determinism: Implementing a developmental point of view.
- University of Cambridge, England, 2009, October 28. Developmental Systems Theory: The nature and nurture of genes and environments.
- University of Cambridge, England, The Department of Social and Developmental Psychology Seminar Series, 2009, October 27. The development of sex differences in mental rotation in human infants.
- University of California, Los Angeles, Department of Psychology, 2009, May 18. Developmental Systems Theory: The nature and nurture of genes and environments.
- Kumamoto University, Japan, 2009, January 26. Studying perception and cognition in infants: The development of categorization of infant-directed speech.

## INVITED LECTURES, CONTINUED

- California State University, Northridge, The Annual Keith Morton Memorial Lecture for the Departments of Anthropology and Psychology, 2009, April 21. Developmental Systems Theory: Finding room for genes and environments in human evolution.
- California State University, Los Angeles, Department of Psychology and Department of Philosophy, 2007, May 10. Why having five fingers on each hand is not a heritable trait: The strange case of the heritability statistic.
- Indiana University, *The NaNu Symposium*, 2007, March 23. The Dependent Gene: The Fallacy of Nature vs. Nurture.
- Sarah Lawrence College, *Advocacy and Genetics: Arenas of Engagement* conference, 2006, March 31. A little knowledge is a double-edged sword: How gene-environment interactions complicate our jobs.
- Hofstra University, Department of Psychology, 2005, November 18. The development of categorization of infant-directed speech.
- University of Michigan, *The Complexity of Diversity* conference, 2005, November 10. Genes and environments.
- Lehman College of CUNY, Keynote Address at the Annual Meeting of the Lehman Chapter of Sigma Xi (the National Scientific Research Society), 2005, May 11. The Gene Dream melts away.
- Lehigh University, Department of Psychology, 2005, April 21. Nature nurtures (and nurture is natural): Genes, environments, and their dependent interactions.
- Florida International University, Department of Psychology, 2004, March 29. The message in the motherese: How babies make sense of infant-directed speech.
- University of Minnesota, *Getting Beyond Genes, Neurons, & Individual Minds* conference, 2003, April 18 – 20.
- University of California, Riverside, Department of Psychology, 2003, November 10. On the dependent interaction of “nature” and “nurture.”
- San Antonio Community Hospital, Healthy Beginnings, 2002, May 29. Moore about babies.
- University of California, Santa Barbara, Department of Developmental and Evolutionary Psychology, 1997, March 3. How to study the perceptual and cognitive development of infants: Lessons from research on mathematical abilities, categorization, and speech perception.
- Claremont Graduate School, Department of Psychology, 1994, September 23. Infants' mathematical abilities: Does this compute?
- University of California, Riverside, Department of Psychology, 1994, April 18. Infants' categorization of the communicative intention behind adults' infant-directed speech.

## PROFESSIONAL SERVICE

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### Program Development

- Co-developed the Pitzer College Cognitive Science Field Group and Major
- Oversaw the restructuring of the U.S. National Science Foundation's Developmental and Learning Sciences program into the Developmental Sciences program, Behavioral & Cognitive Sciences Division
- Co-developed the Pitzer College Data Science Field Group and Minor

## PROFESSIONAL SERVICE, CONTINUED

### Ad hoc Reviewer for Journals

- *Acta Biotheoretica*
- *Acta Psychologica*
- *American Journal of Psychology*
- *American Psychologist*
- *Biological Theory*
- *Biology and Philosophy*
- *Brain Sciences*
- *British Journal for the Philosophy of Science*
- *British Journal of Developmental Psychology*
- *Child Development*
- *Child Development Perspectives*
- *Cognition*
- *Cognitive Development*
- *Current Biology*
- *Developmental Psychobiology*
- *Developmental Psychology*
- *Developmental Science*
- *Human Development*
- *Infancy*
- *Infant Behavior & Development*
- *International Studies in the Philosophy of Science*
- *JAMA Network Open*
- *Journal of Experimental Child Psychology*
- *Journal of Physiology*
- *New Genetics and Society*
- *New Ideas in Psychology*
- *Progress in Biophysics and Molecular Biology*
- *Psychological Review*
- *Psychological Science*
- *Quarterly Review of Biology*
- *Science & Education*
- *WIREs Cognitive Science*

### Grant Proposal Reviewer

- The National Science Foundation (ad hoc reviews, 2025)
- The University of Michigan School of Public Health (M-LEEdD Center), 2018
- The Social Sciences and Humanities Research Council of Canada, 2015
- The National Science Foundation (ad hoc review, 2013)
- The Swiss National Science Foundation (Ambizione programme, 2010)
- The Netherlands Organisation for Scientific Research, Division for Social Sciences (Innovational Research Incentives Scheme, 2009)
- The National Science Foundation (Human & Social Dynamics competition, 2004)

### External Reviewer (for the Ph.D., Promotion, or Election to a National Academy of Science)

- Salisbury University (Salisbury, Maryland)
- University of Virginia School of Medicine (Charlottesville, Virginia)
- University of Cambridge (Cambridge, England)
- National Autonomous University of Mexico (Mexico City, Mexico)
- University of Southern California (Los Angeles, California)
- State University of New York at Buffalo
- McGill University (Montreal, Québec, Canada)
- University of Tennessee, Knoxville

### Reviewer for Publishers

- Academic Press
- Allyn & Bacon textbook division
- American Psychological Association Books
- Cambridge University Press
- EBSCO Information Services
- Elsevier
- MIT Press
- McGraw-Hill Publishing
- Oxford University Press
- Palgrave Macmillan

## PROFESSIONAL SERVICE, CONTINUED

### Work on Conferences

- Co-organizer (with Robert Lickliter and David C. Witherington), The Jean Piaget Society, 2022 meeting
- Panel Chair, The International Society for Infant Studies, 2004 meeting
- Reviewer for The International Society for Infant Studies, 1996 and 2002 meetings
- Reviewer for The Conference on Human Development, 1998 meeting
- Reviewer for The Society for Research in Child Development, 1993, 1995, and 1997 meetings

### Board/Committee Member or Chairperson (selected positions)

- Member-at-Large of APA's Division 7 (*Developmental Psychology*) Executive Committee (2020 – 2023)
- Member of the Early Career Research Grant Committee for APA's Division 7 (*Developmental Psychology*) (2021)
- Member of the William James Book Award Committee for APA's Division 1 (*General Psychology*) (2020)
- Consulting editorial board member for the journal *Child Development Perspectives* (2009 – 2012)
- Chair of the Pitzer College Faculty Executive Committee (2018)
- Chair of the Pitzer College Trustee Academic Affairs Committee (2018)
- Chair of the Eleanor Maccoby Book Award Committee for APA Division 7 (*Developmental Psychology*) (2016)
- Co-chair of the Pitzer College Academic Standards Committee (2015)
- Chair of the Pitzer College Curriculum Committee (2006 – 2007)
- Chair of the Pitzer College Faculty Executive Committee (2002 – 2003)

### Formal Mentoring (Graduate Students and Junior Faculty)

- Mentor in APA Division 7 (*Developmental Psychology*) Junior Faculty Mentoring Program (2019 – 2022)
- Dr. Joan Christodoulou, *Hey Baby! Are You Paying Attention? A SSVEP Measure of Attention in Infancy*. Served as Ph.D. dissertation advisor and committee chair, Claremont Graduate University (2012 – 2016)
- Mentor for Junior Faculty, Pitzer College (2013 – 2014)
- Dr. Victoria L. Romero, *Inhibitory attention control in young infants*. Served as Ph.D. dissertation advisor and committee chair, Claremont Graduate University (1997 – 2007)

### Other Engagements

- Associate at the journal *Behavioral and Brain Sciences* (2022 – present)
- Member of Faculty Opinions (facultyopinions.com), a group of “peer-nominated, internationally-renowned researchers” who recommend highly important articles to colleagues (2020 – 2023)

## CONTRIBUTIONS TO PUBLIC DISCOURSE

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- Interviewed by Giyeol Jeong for an episode of “*Clear-Sighted Earthlings*,” a YouTube channel produced in South Korea with 60,000 subscribers (2025, January 8).
- Interviewed by John Markoff for an episode of “*Human Centered*,” a podcast produced by the Stanford-affiliated Center for Advanced Study in the Behavioral Sciences (2024, December 9).
- Interviewed by Camile Casper for an episode of the “*Don't Ghost Your Brain*” podcast (2023, October 2). The Nature of Nurture.
- Interview published in the American Psychological Association's *Monitor on Psychology* (2023, July 17). Best practices in team teaching.
- Interviewed by Dr. Zain Hakeem for a podcast episode, RiverRock Medical (2023, January 27).
- Interviewed by Jennifer Latson (2021, June 28). The luck of the genetic draw. *Texas Monthly*, pp. 55 – 60.
- Interviewed for an episode of the “*FutureTech*” podcast on Behavioral Epigenetics (2018, December 28).
- Interviewed for an episode of the “*Awaken Your Awareness*” podcast on Behavioral Epigenetics (2018, May 3).
- Interview published on *The Psych Report* website (2015, July 10). The end of nature versus nurture.
- Interview published on the *Germline Exposures* website (2015, February 23). The developing genome: How context influences genetic architecture and activity.

## CONTRIBUTIONS TO PUBLIC DISCOURSE, CONTINUED

- Web log posting to *The Huffington Post* (2011, March 27, in collaboration with S. B. Kaufman). 8 surprising facts about parenting, genes, and what *really* makes us who we are.
- Web log posting to the *Psychology Today* web site (2008, October 24, in collaboration with S. B. Kaufman). Straight talk about twin studies, genes, and parenting: Clearing up misunderstandings, confusions, and exaggerations.
- Interviewed by Natalie Angier (2003, February 25). Not just genes: Moving beyond nature vs. nurture. *The New York Times*, pp. D1, D10.
- Interviewed by Sharon Begley (2002, June 21). So much for destiny: Even thoughts can turn genes 'on' and 'off.' *The Wall Street Journal*, pp. B1
- Interviewed by Sharon Begley (2002, June 14). The nature of nurture: How the environment can shape our genes. *The Wall Street Journal*, pp. B1
- Interviewed for "These Days," a show on San Diego's KPBS Radio (an NPR affiliate), January 8, 2002.

## COURSES TAUGHT

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- Behavioral Epigenetics
- Child Development
- Cognitive Development (with lab)
- Developmental Cognitive Neuroscience (with connectionist labs)
- Experimental Child Psychology (with lab; co-taught with Developmental Psychologist Mita Banerjee)
- Experimental Psychology/Research Methods (with lab)
- Gene Dreams: The Social Consequences of Genetic Determinism
- Introduction to Psychology
- Minds & Machines: From C3PO to Alexa to Skynet? (co-taught with Philosopher Brian Keeley)
- Monkey Business: Continuing Controversies in Human Evolution (co-taught with Philosopher Brian Keeley)
- Neural and Behavioral Development (co-taught with Neuroscientist Alan Jones)
- Perception of Music and Color
- Seeking Human Nature: The History and Science of Innateness (co-taught with Historian Andre Wakefield)
- Seminar in Developmental Psychology: Current Trends in Infancy Research
- Seminar in Developmental Psychology: Individual Development and Evolution
- Seminar in Developmental Psychology: Mating: Perspectives from Developmental, Genetic, and Evolutionary Psychology

## PROFESSIONAL SOCIETY AFFILIATIONS

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- American Psychological Association, Division 7 (*Developmental Psychology*)
- American Psychological Association, Division 1 (*General Psychology*)
- Association for Psychological Science
- Cognitive Development Society
- Cognitive Science Society
- International Congress of Infant Studies
- International Society for Developmental Psychobiology
- Jean Piaget Society
- Society for Research in Child Development