

LUCAS PAYNE BUTLER

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University of Maryland
College Park, MD 20742

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EDUCATION

2012 Ph.D. in Psychology
Stanford University, Stanford, CA

2009 M.A. in Psychology
Stanford University, Stanford, CA

2005 A.B. *cum laude* in Psychology
Harvard University, Cambridge, MA

PROFESSIONAL APPOINTMENTS

2015-present Assistant Professor
Department of Human Development & Quantitative Methodology
University of Maryland, College Park

 Faculty Affiliate
Neuroscience and Cognitive Science Program
University of Maryland, College Park

 Faculty Affiliate
Language Science Center
University of Maryland, College Park

2012-2014 Alexander von Humboldt Postdoctoral Research Fellow
Department of Developmental and Comparative Psychology
Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany

AWARDS & HONORS

| | |
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| 2018 | James S. McDonnell Foundation Scholar Award (finalist) |
| 2018 | Excellence in Scholarship Award, University of Maryland College of Education |
| 2017 | Research and Scholarship Award, University of Maryland |
| 2016 | Rising Star Award, Association for Psychological Science |
| 2015-2016 | SPARC Assistant Professor Award, University of Maryland |
| 2012-2014 | Postdoctoral Research Fellowship, Alexander von Humboldt Foundation |
| 2011 | Student Travel Award, Society for Research in Child Development |
| 2011 | Norman H. Anderson Research Fund, Stanford University |
| 2011 | Dissertation Research Award, American Psychological Association |
| 2009-2012 | Graduate Research Fellowship, National Science Foundation |
| 2007-2008 | Sidney Siegel Fellowship, Stanford University |
| 2005 | Harvard Psychology Faculty Prize for Distinguished Honors Thesis |
| 2005 | Jerome Kagan Undergraduate Research Award, Harvard University |

PUBLICATIONS

*Student author

†Authors contributed equally

Books

Butler, L. P., Ronfard, S., & Corriveau, K. H. (Eds.) (2020). *The questioning child: Insights from psychology and education.* Cambridge, UK: Cambridge University Press.

Chapters

Butler, L. P., Ronfard, S., & Corriveau, K. H. (2020). Questions about questions: Framing the key issues. In L. P. Butler, S. Ronfard, & K. H. Corriveau (Eds.). *The questioning child: Insights from Psychology and Education* (pp. 1-5). Cambridge, UK: Cambridge University Press.

Ronfard, S., **Butler, L. P., & Corriveau, K. H. (2020).** The questioning child: A path forward. In L. P. Butler, S. Ronfard, & K. H. Corriveau (Eds.). *The questioning child: Insights from Psychology and Education* (pp. 301-320). Cambridge, UK: Cambridge University Press.

†Master, A., †**Butler, L. P.,** Walton, G. M. (2017). How the subjective relationship between the self, others, and a task drives interest. In P. A. O’Keefe & J. M. Harackiewicz (Eds.). *The Psychological Science of Interest.* Springer International.

Invited Articles

Butler, L. P. (2017). The social origins of persistence. *Science*, 357, 1236-1237.

Butler, L. P., & Markman, E. M. (2011). Teaching and learning. In T. Luhrman (Ed.) Toward an anthropological theory of mind. *Suomen Antropologi: Journal of the Finnish Anthropological Society*, 36, 38-39.

Peer-reviewed Journal Articles

Butler, L. P., *Gibbs, H. M., & Tavassolie, N. S. (in press). Children's developing understanding that even reliable sources need to verify their claims. *Cognitive Development*

Butler, L. P., *Gibbs, H. M., & *Levush, K. C. (accepted pending minor revisions). Look again: Pedagogical demonstration facilitates children's use of counterevidence. *Child Development*

Butler, L. P. (2020). The empirical child? A framework for investigating the development of scientific habits of mind. *Child Development Perspectives*, 14, 34-40.

Butler, L. P., Schmidt, M. F. H., Tavassolie, N. S., & *Gibbs, H. M. (2018). Children's evaluation of verified and unverified claims. *Journal of Experimental Child Psychology*, 176, 73-83.

Butler, L. P., & Markman, E. M. (2016). Navigating pedagogy: Children's developing capacities for learning from pedagogical interactions. *Cognitive Development*, 38, 27-35.

Butler, L. P., & Tomasello, M. (2016). Two- and 3-year-olds integrate linguistic and pedagogical cues in guiding inductive generalizations and exploration. *Journal of Experimental Child Psychology*, 145, 64-78.

Schmidt, M. F. H., **Butler, L. P., *Heinz, J., & Tomasello, M.** (2016). Young children see a single action and infer a social norm: Promiscuous normativity in 3-year-olds. *Psychological Science*, 27, 1360-1370.

Butler, L. P., Schmidt, M. F. H., *Bürgel, J., & Tomasello, M. (2015). Young children use pedagogical cues to modulate the strength of normative inferences. *British Journal of Developmental Psychology*, 33, 476-488.

Butler, L. P., & Markman, E. M. (2014). Preschoolers use pedagogical cues to guide radical reorganization of category knowledge. *Cognition*, 130, 116-12.

Butler, L.P., & Walton, G.M., (2013). The opportunity to collaborate increases preschoolers' motivation for challenging tasks. *Journal of Experimental Child Psychology*, 116, 953-961.

Butler, L. P., & Markman, E. M. (2012). Preschoolers use intentional and pedagogical cues to guide inductive inferences and exploration. *Child Development*, 83, 1416-1428.

Butler, L. P., & Markman, E. M. (2012). Finding the cause: Verbal framing helps children extract causal evidence embedded in a complex scene. *Journal of Cognition & Development*, *13*, 38-66.

Ganea, P. A., Allen, M. A., **Butler, L.**, Carey, S., & DeLoache, J. S. (2009). Toddlers' referential understanding of pictures. *Journal of Experimental Child Psychology*, *104*, 267-282.

Peer-reviewed Conference Proceedings

Butler, L. P., & Markman, E. M. (2013). Preschoolers' ability to navigate communicative interactions in guiding their inductive inferences. *Proceedings of the 35th Annual Meeting of the Cognitive Science Society*.

Butler, L. P., & Markman, E. M. (2010). Pedagogical cues influence children's inductive inference and exploratory play. *Proceedings of the 32nd Annual Meeting of the Cognitive Science Society*.

Manuscripts Under Review or in Preparation

Duong, S., Terrizzi, B. F., **Butler, L. P.**, & Beier, J. S. (in preparation). Children's prosocial facilitation of others' communicative goals.

*Gibbs, H. M., & **Butler, L. P.** (in preparation). Children's developing understanding of the necessary alignment between evidence and claims.

*Levush, K. C., & **Butler, L. P.** (in preparation). Children's developing ability to recognize when evidence is being used deceptively.

RESEARCH FUNDING

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| 2017-2018 | Research Grant, Spencer Foundation <i>Children's Developing Understanding that Claims About the World Need to be Verified</i> \$49,935 |
| 2017-2018 | Research and Scholarship Award, University of Maryland <i>Asked and Answered: How Adults' Explanatory Responses Influence Children's Causal Exploration and Discovery</i> \$10,000 |
| 2015-2016 | SPARC Assistant Professor Award, University of Maryland <i>How Parents Shape Children's Learning From Evidence</i> \$15,000 |
| 2012-2014 | Alexander von Humboldt Postdoctoral Fellowship |

The Role of Communicative Inference in Young Children's Learning from Others
€63,200

2009-2012 National Science Foundation Graduate Research Fellowship
Social and Contextual Factors in Children's Inductive Inference from Causal Evidence
\$121,500

TALKS & PRESENTATIONS

Invited Talks

Butler, L. P. (2020, April). The empirical child? A framework for investigating the development of scientific habits of mind. Developmental Brownbag, Department of Psychology, University of Massachusetts, Amherst, MA.

Butler, L. P. (2020, February). The empirical child? A framework for investigating the development of scientific habits of mind. Developmental Science Colloquium, Department of Human Development and Quantitative Methodology, University of Maryland, College Park, MD.

Butler, L. P. (2020, January). The empirical child? A framework for investigating the development of scientific habits of mind. Franklin & Marshall College, Lancaster, PA.

Butler, L. P. (2019, September). The roots of skepticism: How children reason about others' empirical claims. Endless Possibilities Workshop, University of Maryland, College Park, MD.

Butler, L. P. (2018, March). The roots of skepticism: How children evaluate others' verified and unverified claims. Early Childhood Cognition Lab, Massachusetts Institute of Technology, Cambridge, MA.

Butler, L. P. (2018, February). How children reason about evidence in a social world. Neuroscience and Cognitive Science Seminar, University of Maryland, College Park, MD.

Butler, L. P. (2018, January). How children reason about evidence in a social world. Psychology Colloquium, Georgetown University, Washington, DC.

Butler, L. P. (2018, January). How children navigate the social history of evidence. Georgetown Early Learning Project, Georgetown University, Washington, DC.

Butler, L. P. (2017, December). Children's understanding that claims about the world should be verified. Closing Symposium, Department of Developmental and Comparative Psychology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany.

- Butler, L. P.** (2017, November). How children's social cognition shapes their reasoning from evidence, and how their reasoning about evidence shapes their social cognition. Human Factors Brownbag, George Mason University, Fairfax, VA.
- Butler, L. P.** (2016, November). Demonstration, explanation, and young children's curious exploration. Concepts and Categories talk series, New York University, New York, NY.
- Butler, L. P.** (2016, April). Things that make you say 'Hmm': Children's causal exploration and its relation to question-asking. *Asking about Children's Questions*, Radcliffe Institute for Advanced Study Exploratory Seminar, Harvard University, Cambridge, MA.
- Butler, L. P.** (2016, April). Social learning in early childhood. Developmental Brownbag Series, University of Virginia, Charlottesville, VA.
- Butler, L. P.** (2015, April). Social learning in early childhood. Center for Children, Relationships, & Cultures, University of Maryland, College Park, MD.
- Butler, L. P.** (2013, May). Young children's use of intentional communication to guide inductive inference. CEU Cognitive Development Center Seminar, Budapest, Hungary.

Chaired Symposia

- Butler, L. P.** (2019, January). New directions in investigating children's epistemic vigilance. Symposium organized for the 2019 Budapest CEU Conference on Cognitive Development, Budapest, Hungary.
- Butler, L. P., & Corriveau, K. H.** (2017, April). Social influences on reasoning from evidence. Symposium organized for the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, TX.
- Nurmsoo, E., & **Butler, L. P.,** (2013, January). Beyond faithful imitation: How context shapes children's learning from others. Symposium organized for the 2013 Budapest CEU Conference on Cognitive Development, Budapest, Hungary.
- Butler, L. P., & Buchsbaum, D.** (2011, October). Pedagogy and selective trust: The trade-offs of learning from others. Symposium organized for the 2011 Biennial Meeting of the Cognitive Development Society, Philadelphia, PA.

Conference Presentations

- Butler, L. P., & *Gibbs, H. M.** (2019, January). Investigating children's developing understanding of integrity in others' epistemic practices. Paper presented at the 2019 Budapest CEU Conference on Cognitive Development, Budapest, Hungary

- *Gibbs, H. Tavassolie, N., & **Butler, L. P.** (2018, July). Children's understanding of verification as a necessary condition for helpful and effective teaching. Poster presented at the 2018 Annual Meeting of the Society for Philosophy and Psychology, Ann Arbor, MI.
- *Gibbs, H. Tavassolie, N., & **Butler, L. P.** (2017, October). Children's understanding of verification as a necessary condition for helpful and effective teaching. Poster presented at the 2017 Biennial Meeting of the Cognitive Development Society, Portland, OR.
- Tavassolie, N. *Gibbs, H., & Schmidt, M. F. H., **Butler, L. P.** (2017, October). Children's evaluation of verified and unverified claims. Poster presented at the 2017 Biennial Meeting of the Cognitive Development Society, Portland, OR.
- Butler, L. P.**, Tavassolie, N., & Gibbs, H. (2017, May). Children's understanding that claims about the world must be verified. Poster presented at the 2017 Annual Convention of the Association for Psychological Science, Boston, MA.
- Butler, L. P.**, & Zippert, E. L. (2017, April). Pedagogical demonstration facilitates children's use of counterevidence. Paper presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, TX.
- Butler, L. P.**, Gelman, S. A., & Wellman, H. M. (2017, April). Explanatory responses to preschoolers' requests for information boost their curious exploration. Poster presented at the 2017 Biennial Meeting of the Society for Research in Child Development, Austin, TX.
- Schmidt, M. F. H., **Butler, L. P.**, & Tomasello, M. (2016, July). Young children overgeneralize human actions into objective norms. Paper presented at the 24th Biennial Meeting of the International Society for the Study of Behavioural Development, Vilnius, Lithuania.
- Butler, L. P.**, & Tomasello, M. (2015, March). Linguistic cues influence 2- and 3-year-olds' generic inferences from pedagogical demonstrations. Paper presented at the 2015 Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
- Butler, L. P.**, Schmidt, M. F. H., Buergel, J., & Tomasello, M. (2015, March) Young children use pedagogical cues to modulate the strength of normative inferences. Paper presented at the 2015 Biennial Meeting of the Society for Research in Child Development, Philadelphia, PA.
- Butler, L. P.**, & Tomasello, M. (2013, October). Preschoolers' use of ostensive and linguistic cues in guiding inductive inferences. Poster presented at the 2013 Biennial Meeting of the Cognitive Development Society, Memphis, TN.
- Butler, L. P.**, & Markman, E. M. (2013, April). Preschoolers' ability to navigate pedagogical interactions in guiding inductive inferences. Poster presented at the 2013 Biennial Meeting of the Society for Research in Child Development, Seattle, Washington.

- Butler, L. P., & Markman, E. M.** (2013, April). Preschoolers use communicative cues to guide radical reorganization of category knowledge. Paper presented at the 2013 Biennial Meeting of the Society for Research in Child Development, Seattle, Washington.
- Butler, L. P., & Markman, E. M.** (2013, January). Preschoolers' ability to navigate pedagogical interactions in guiding inductive inferences. Paper presented at the 2013 Budapest CEU Conference on Cognitive Development, Budapest, Hungary.
- Butler, L. P., & Markman, E. M.** (2011, October). For me? Children's use of communicative and pedagogical cues in guiding inductive inference. Paper presented at the 7th Biennial Meeting of the Cognitive Development Society, Philadelphia, PA.
- Butler, L. P., & Markman, E. M.** (2011, May). The influence of intentional and pedagogical cues on children's acquisition of generic knowledge. Paper presented at the 2011 Stanford-Berkeley-Santa Cruz Developmental Conference, Stanford, CA.
- Butler, L. P., & Markman, E. M.** (2011, April). Blickets stick! The influence of intentional and pedagogical cues on children's acquisition of generic knowledge. Psychology Department Developmental Brownbag Series, Stanford University.
- Butler, L. P., & Markman, E. M.** (2011, April). The influence of intentional and pedagogical cues on children's inductive inferences and exploratory play. Paper presented at the 2011 Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Butler, L. P., & Markman, E. M.** (2011, April). Preschoolers make inferences about category membership on the basis of intentional demonstration, but not intentional action. Poster presented at the 2011 Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Butler, L. P., & Markman, E. M.** (2011, January). Preschoolers make inferences about feature centrality on the basis of intentional demonstration, but not intentional action. Poster presented at the 2011 Budapest CEU Conference on Cognitive Development, Budapest, Hungary.
- Butler, L. P.** (2010, May). The influence of pedagogical cues on children's inductive inference and exploration. Psychology Department Cognitive Seminar, Stanford University.
- Butler, L. P., & Markman, E. M.** (2010, March). Did you mean to show me that? Intentional demonstration and children's causal exploration. Poster presented at the XVIIth Biennial International Conference on Infant Studies, Baltimore, MD.
- Butler, L. P., & Markman, E. M.** (2010, January). Young children use pedagogical cues to guide their causal exploration and inductive inferences. Poster presented at the Central European University Cognitive Development Center Opening Conference, Budapest, Hungary.

Butler, L. P. (2009, November). Did you mean to show me that? Intentional demonstration and children's causal exploration. Psychology Department Developmental Brownbag Series, Stanford University.

Butler, L. P., & Markman, E. M. (2009, October). Pulling out the data: Adult framing helps children extract causal evidence embedded in a complex scene. Poster presented at the 6th Biennial Meeting of the Cognitive Development Society, San Antonio, TX.

Butler, L. P., & Markman, E. M. (2009, April). Framing the problem: The role of adult input in children's causal reasoning. Poster presented at the 2009 Biennial Meeting of the Society for Research in Child Development, Denver, CO.

Butler, L. P. (2008, April). Will you help me figure it out? The role of adult framing in children's causal reasoning. Psychology Department Developmental Brownbag Series, Stanford University.

Preissler, M. A., **Butler, L. P., & Carey, S.** (2004, May). Language facilitates symbolic understanding of pictures for 2-year-old children. Poster presented at the 14th Biennial International Conference on Infant Studies, Chicago, IL.

TEACHING

Instructor:

University of Maryland

EDHD411: Child Growth & Development, Spring & Fall 2015, Spring & Fall 2016, Spring 2017, Spring & Fall 2018, Undergraduate General Education Requirement

EDHD629: Seminar for the Center for Children, Relationships, and Culture, Fall 2015, Fall 2016, Fall 2017, Fall 2017, Graduate Core Course

EDHD690: History and Systems in Child Development, Fall 2015, Fall 2016, Graduate Core Course

EDHD779P: Fake News & Alternative Facts: How Children Learn to Navigate Evidence in a Complex Social World, Fall 2018, Graduate Seminar

Stanford University

Psychology 124S: Applying Psychology to Modern Life, Summer 2010 & 2011

Psychology 113S: Developmental Psychology, Summer 2009

Teaching Assistant:

Stanford University

Psychology 60: Introduction to Developmental Psychology, Spring & Fall, 2011

Psychology 104: Uniquely Human, Winter 2009

Psychology 141: Cognitive Development, Fall 2009

Psychology 1: Introduction to Psychology, Fall 2008 & Spring 2009

MENTORING*Current Doctoral Students*

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| 2019-present | Jenna Alton, University of Maryland, Human Development |
| 2018-present | Karen Levush, University of Maryland, Human Development |
| 2016-present | Hailey Gibbs, University of Maryland, Human Development |

Member of Doctoral Thesis Committees

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| 2018-2019 | Jessica Gladstone, University of Maryland, Human Development Virginia Salo, University of Maryland, Human Development |
| 2017-2018 | Michael Rizzo, University of Maryland, Human Development |
| 2016-2017 | Laura Elenbaas, University of Maryland, Human Development Jeeyong Noh, University of Maryland, Human Development |
| 2015-2016 | Bonnie Brett, University of Maryland, Psychology |

Previous Master's Students

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| 2017-2019 | Jason Solinsky, University of Maryland, Human Development |
| 2017-2018 | Karen Levush, University of Maryland, Human Development |
| 2013 | Jessica Bürgel, University of Tübingen, Germany (with Marco Schmidt and Michael Tomasello) |

Previous Graduate Research Assistants Supervised

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| 2015-2016 | Erica Zippert, University of Maryland, Human Development |
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*Undergraduate Supervision:***University of Maryland**

Sujean Han, PSYC479, Spring 2018-present
 Natalia Moiseeva, EDHD489, Spring 2018-present
 Maryam Sizar, EDHD489, Spring 2018-present
 Avi Warshawsky, PSYC 479, Spring 2018-present
 Garret Wegner, PSYC 479, Spring 2018-present
 Fiona Lachman, PSYC479, Summer 2017-Spring 2018
 Nia Nickerson, PSYC479, Fall 2016-Spring 2018, PhD Student in Psychology & Education,
 University of Michigan
 Katie Hernandez, PSYC479, Summer 2017-Fall 2017
 Rachel Schindler, PSYC479, Spring 2017-Fall 2017
 Tirone Johnson, PSYC479, Fall 2016-Fall 2017, Research Assistant at Children's National
 Medical
 Center
 Jessie Smith, PSYC479, Fall 2016-Summer 2017
 Renee Johnsson, EDHD489, Spring 2017-Summer 2017

Emily Abraham, PSYC479, Spring 2016, Applied Behavioral Therapist, Little Leaves Therapy Center

Ariel Horn, PSYC479, Spring 2016, Schreiber Translations, Inc

Carissa Levine, PSYC479, Spring 2016-Fall 2016, cvent, inc.

Jenna Nelson, PSYC479, Spring 2016-Fall 2016

Ben Weinberg, PSYC479, Spring 2016-Summer 2016

Jasmine Brown, EDHD489, 2015-2016

Marisa Gentile, FMSC 477, Fall 2015, Speech-Language Pathologist, Washington, DC

Julie Knorr, EDHD489, 2015-2016

Tara Saideman, EDHD489, Fall 2015

Casey Whitman, PSYC479, Spring 2015, Research Assistant at Kennedy-Krieger Institute

University of Leipzig

Julia Heinz, Bachelor's Thesis Student, Spring-Summer 2014 (with Marco Schmidt and Michael Tomasello)

Stanford University

Jamie Lawrence, Undergraduate RA, Winter 2013

Diego Aguilar, Psych Summer Program, Summer 2012

Kimmy Scheible, Undergraduate RA, 2011-2012

Ariana Borgaily, Undergraduate RA, Winter 2010, 2011-2012

Gavin Fung, Summer Research Early Identification Program (SR-EIP), Summer 2011

Elaine Patten, Undergraduate RA, Spring-Summer 2011

Natalie Karl, Undergraduate RA, Fall 2010

Sam Saenz, Psych Summer Program, Summer 2010

Nicole Gumport, Undergraduate RA, Winter 2010

Cole Murphy-Hockett, Undergraduate RA & HumBio Research Experience Program (HBREX) Spring-Fall 2009

Elise Gibbs, Undergraduate RA, Spring 2009

Adelle Pushparatnam, visiting RA from University of Oregon, Summer 2008

UNIVERSITY, COLLEGE, AND DEPARTMENTAL SERVICE

University of Maryland

University Senate, 2018-2020

Faculty Search Committee, Human Development, 2019-2020

Faculty Search Committee, Human Development, 2018-2019

Executive Committee, Developmental Science Field Committee, 2017-present

Advisory Board, Center for Young Children, 2016-present

Co-organizer, Center for Children, Relationships, & Culture Colloquium Series, 2015-present

Undergraduate Education Committee, 2015-2018

College of Education Senate, 2015-2017

Banneker/Key Scholarship Committee, 2015-2016

Stanford University

Organized Stanford-Berkeley-Santa Cruz Developmental Conference, 2011
Departmental Website Committee, 2010
Developmental Graduate Admissions Committee, 2010
Organized Series of Workshops on EndNote, 2009
Departmental Graduate Student Representative, 2007-2012
Psychology Department Green Committee, 2008-2012
Developmental Area Faculty Search Committee, 2008-2009
Organized Developmental Brownbag Talk Series, 2008-2009

SCHOLARLY ACTIVITIES

Editorial Boards

Academic Editor, *PLOS ONE*, 2018-present
Consulting Editor, *Developmental Psychology*, 2018-present
Consulting Editor, *Child Development*, 2017-present

Ad-Hoc Reviewer

British Journal of Developmental Psychology
Child Development
Cognition
Cognitive Development
Cognitive Science
Collabra
Developmental Psychology
Developmental Science
Frontiers in Psychology
Journal of Experimental Child Psychology
Mind and Language
Proceedings of the National Academy of Sciences
Quarterly Journal of Experimental Psychology
Science

Conference Reviewing

Cognitive Development Society, 2015-present
Society for Research in Child Development, 2015-present
Cognitive Science Society, 2011-present