

DIMA AMSO Ph.D.

Curriculum Vitae

Associate Professor
Department of Cognitive, Linguistic, and Psychological Sciences
Brown University
401-863-7652
dima_ams@brown.edu
<http://research.clps.brown.edu/dcnl/>

EMPLOYMENT

- 2015-present Associate Professor *with tenure*
Department of Cognitive, Linguistic, & Psychological Sciences
- 2010 – 2015 Assistant Professor
Department of Cognitive, Linguistic, & Psychological Sciences
Brown University
Providence, RI
- 2015-present Neuroscience Graduate Program, Brown University
- 2005-2010 Assistant Professor of Psychology in Psychiatry
Sackler Institute for Developmental Psychobiology
Weill Cornell Medical College, NY, NY

EDUCATION

- 2005 New York University, NY, NY
PhD in Psychology
Dissertation Title: Visual Selective Attention in Infancy
- 1999 Tufts University, Medford, MA
BS in Psychology
magna cum laude

RESEARCH AREA

Brain and Cognitive Development in Infancy and Childhood
Development of Visual Attention and Learning/Memory Interactions
Environmental Shaping of The Development of Executive Functions

SELECTED ACADEMIC HONORS & RECOGNITION

2020	Invited Plenary Speaker, International Congress for Infant Studies
2019	Elected Fellow of the American Psychological Society
2019	Invited Speaker, Prime Minister of Jordan and Taghyeer
2019	Invited Plenary Symposium Speaker, Cognitive Development Society
2018	Invited Guest Editor, 50 th Anniversary Special Issue, <i>Dev Psychobio</i>
2017	Editor's Choice Award: <i>Journal of Cognitive Development</i>
2017	Mentor for women in science, Three Circles of Aemat, PEER Project of the National Academies of Science, Engineering, and Medicine
2016	National Academy of Science, Arab-American Frontiers of Science, Engineering, and Medicine Symposium Fellow
2016	Science Brief, APA Psychological Science Agenda
2015	LIFE Mentor, The Global Education & Leadership Foundation
2014	Guest Editor, Special Issue <i>Developmental Cognitive Neuroscience</i>
2014	Keynote Address, Flux International Congress for Integrative Developmental Cognitive Neuroscience
2012	National Academy of Sciences <i>Keck Future Initiatives</i> Fellow
2011	ADVANCE National Science Foundation Award
2011	James S. McDonnell Scholar Award in Understanding Human Cognition
2004	Martin Braine Fellowship in Cognition and Cognitive Development, NYU
2003	MacCracken Graduate Research Fellowship, NYU
2002	Merck Fellowship, Biology of Developmental Disorders, Cold Spring Harbor
2003	Sackler Biomedical Fellowship, Weill Medical College of Cornell University
2001-3	Sage Graduate Research Fellowship, Cornell University
1999	Priscilla M. Dunne Memorial Prize Scholarship in Psychology, Tufts University
1998	Gibran Kahlil Gibran Memorial Scholarship

RESEARCH FUNDING

Current Support

National Science Foundation (PI Amso)

NSF # 1844476

The Impact of SES on WM in Naturalistic Versus Structured Settings

2019-2022

\$594,718

National Institute of Mental Health (PIs Amso, Serre)

R21 MH113870

SmartPlayroom Technology: Naturalistic Data Collection in Young Children

2017-2020

\$300,00

National Institute of Drug Abuse (PIs Amso, Deoni, D'Sa)

R34 The Cumulative Risk of Substance Exposure and Early Life Adversity on Child Health Development and Outcomes

2019-2022

National Institute for Child Development (PIs, Adolph, Tamis-Lamonde)

R01-HD-094830

PLAY(*Play and Learning Across a Year*)

2018-2023

\$6,341,419 total costs

Carney Institute Innovation Award (PIs Amso, Shenhav)

A circuit-level examination of incentive shaping mechanisms underlying the socioeconomically driven achievement gap

2019-2020

\$132,000

Pending Support

NIH Fogarty International Center (PI Amso)

R21 Global Brain and Nervous System Disorders Research Across the Lifespan

2019-2021

\$275,000

National Science Foundation (PIs Amso, Barr, Brito)

Fostering diversity and inclusion at the International Society of Developmental Psychobiology

2020-2021

\$20,130

National Institute of Child and Human Development (PI Rosen)

K99 HD099203

The neurodevelopmental mechanisms linking environmental experience and executive function

2020-2025

Completed Support

James S. McDonnell Scholar Award in Understanding Human Cognition (PI Amso)

Emergent complexity in human development: Evidence from process-oriented investigations of attention and memory

2011-2019

\$600,000

National Institute of Mental Health (PIs Amso, Badre)

NIMH R01-MH099078

Role of Experience in the Development of Cognitive Control and Frontal Cortex

2012-2017

\$1,728,019 (Direct: \$1,093,750)

National Institute of General Medical Sciences (Project PI Amso)

P20GM103645 Center of Biomedical Research Excellence

Development of vision and selective attention in typical and ASD individuals

2013-2016

\$1,505,769 (Direct: \$948,054)

National Institute for Mental Health (PI Amso)

NIMH K01MH077993

Development of Neural Systems Underlying Learning and Response to Novelty

2007-2012

\$809,958 (Direct: \$749,961)

Simons Foundation Autism Research Initiative (PIs Amso, Sheinkopf)

Biomarkers of Emotion Regulation, Social Response & Social Attention in ASD

2015-2017

\$496,312

Hassenfeld Child Health Innovation Award (PIs Amso, Bath)

Neural Mechanisms by Which Socioeconomic Status Shapes Brain Development

2017-2018

\$25,000

Norman Prince Neuroscience Institute New Frontiers Fund (PIs Amso, Tyrka)

Developmental Response to Severe Early Stress: Neural Mechanisms of Cognitive and Behavioral Effects

2014-2015 \$30,000

Awarded Student Grants (Amso mentees)

Cassandra T-Pederson, BS candidate, CLPS (supervisor Amso)

2019, Undergraduate Training and Research Award

Andrew Lynn, PhD candidate CLPS (supervisor Amso)

2018, Center for Vision Research Pilot Award

Denise Werchan, PhD candidate CLPS (supervisor Amso)

2018-2019 Robin Chemers Neustein Graduate Research Fund Award in Brain Science

Kristen Tummeltshammer, PI (sponsor Amso)

2016-2019, NIH Ruth Kirschstein F32 NRSA

Andrew Lynn, PhD candidate CLPS (supervisor Amso)
2015-2018, National Science Foundation Graduate Research Fellowship

Denise Werchan, PhD candidate CLPS (supervisor Amso)
2013-2016, National Science Foundation Graduate Research Fellowship

Elena Tenenbaum, Postdoctoral candidate, CLPS (co-supervisor Amso)
2012-2014, Autism Speaks Translational Postdoctoral Fellowship

Rachel Martino, BS candidate, CLPS (supervisor Amso)
2017, Undergraduate Training and Research Award

Benjamin Silver, BS candidate, CLPS (supervisor Amso)
2016, Undergraduate Training and Research Award

Kate Nussenbaum, BS candidate, CLPS (supervisor Amso)
2014, Undergraduate Training and Research Award and Solsbery Undergraduate Fellowship

PUBLICATIONS (* Denotes trainee first authors. Last author is senior author)

in review/revision

1. **Amso, D.** Govindarajan, L.N., Baumgartner, H., Lynn, A., Gunther, K., Placido, D., Sharma, T., Veerabadrán, V., Gupta, P., Thakkar, K., Seungchan, K., & Serre, T. (in revision). Discovering mechanisms of memory-guided attention using computer vision.
2. *Freier, L. Gupta, P., Badre, D., & **Amso, D.** (in revision). 3- to 7-year-olds' use of working memory gating strategies in a naturalistic task.
3. von Suchodoletz, A., Dajani, R., & Amso, D. (in review). Early childhood development in emergencies: Opportunities for applied developmental science to inform programs and interventions in humanitarian relief settings.
4. *Werchan, D., & **Amso, D.** (in revision). Adults just don't understand: the A-not-B error. reflects adaptive learning not perseveration.

in press or published

5. *Tummeltshammer, K., & **Amso, D.** (forthcoming 2020). *Infant visual attention*. In Catherine Tamis- Lomonda and Jeffrey Lockman (Eds). Cambridge Handbook of Infant Development.
6. *Werchan, D., & **Amso, D.** (forthcoming 2020). Top-down knowledge rapidly acquired through PFC dependent rule learning biases visual attention in 9-month old infants. *Developmental Cognitive Neuroscience*.
7. Brito, N. Samuelson, L., **Amso, D.**, Colombo, J., Richards, J., Fifer, W., Barr, R., Bell, M.A., Calkins, Montgomery-Downs, H., Oakes, L., Flynn, A. (2019). Beyond the Bayley: neurocognitive assessments of development during infancy and toddlerhood. *Developmental Neuropsychology*, 44(2). 220-247. doi.org/10.1080/87565641.2018.1564310

8. *Lynn, A., Festa, E., Heindel, W., & **Amso, D.** (2019). What underlies visual selective attention development? evidence that age-related improvements in visual feature integration influence visual selective attention performance. *Journal of Experimental Child Psychology*. doi.org/10.1016/j.jecp.2019.104732.
9. *Rosen, M., **Amso, D.**, McLaughlin, K. (2019). A novel model of neurodevelopmental mechanisms linking environmental experience and executive function. *Developmental Cognitive Neuroscience*, 39. 1-13. doi.org/10.1016/j.dcn.2019.100699
10. *Werchan, D., Lynn, A., Kirkham, N.K., & **Amso, D.** (2019). Object-based attention in infancy: A role for family socioeconomic status and competing visual features. *Infancy*, 24(5), 752-767. doi.org/10.1111/infa.12309
11. **Amso, D.**, Salhi, C., & Badre, D. (2018). The relationship between cognitive enrichment and cognitive control: a systematic investigation of competing influences on development through socioeconomic status. *Developmental Psychobiology*, 61(2). 159-178. doi: 10.1002/dev.2179
12. Oakes, L. & **Amso, D.** (2018). *Development of visual attention*. In John Wixted (Ed). The Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience, Fourth Edition.
13. *Righi, G., Tenenbaum, E., McCormick, C., **Amso, D.**, & Sheinkopf, S. (2018). Sensitivity to audio-visual synchrony and its relation to language abilities in children with ASD. *Autism Research*, 11(4). 645-653. doi: 10.1002/aur.1918
14. *Tummeltshammer, K. S. & **Amso, D.** (2018). Pupil dilation, eye-blink rate, and the value of mother establish the origins of reward learning in infancy. *Developmental Cognitive Neuroscience*, 36, 1-10. doi: 10.1016/j.dcn.2018.12.006
15. *Werchan, D., Baumgartner, H., Lewkowicz, D., & **Amso, D.** (2018). Origins of dynamic cortical organization in infancy. *Developmental Cognitive Neuroscience*, 34. 75-81. doi:10.1016/j.dcn.2018.07.002
16. **Amso, D.**, & *Lynn, A. (2017). Distinctive mechanisms of adversity and socioeconomic inequality in child development: A review and recommendations for evidence-based policy. *Policy Insights from the Behavioral and Brain Sciences*, 1-8. doi: 10.1177/2372732217721933
17. *Nussenbaum, K. Markant, J., & **Amso, D.** (2017). When increasing distraction helps learning: Distractor number and content interact in their effects on memory. *Attention, Perception, & Psychophysics*, 79(8), 2606-2619. doi: 10.3758/s13414-017-1399-1.
18. *Tenenbaum, E., **Amso, D.**, Righi, G., & Sheinkopf, S. (2017). Attempting to increase intake from the input: Attention and word learning in children with Autism. *Learning in Children with Autism. Journal of Autism and Developmental Disorders*, 47(6), 1791-1805. doi: 10.1007/s10803-017-3098-0.

19. *Tummeltshammer, K., & **Amsso, D.** (2017). Top-down contextual knowledge guides visual attention in 6- and 10-month-old infants. *Developmental Science*, *21*(4). doi: 10.1111/desc.12599
20. *Werchan, D., & **Amsso, D.** (2017). A novel ecological account of prefrontal cortex development. *Psychological Review*, *124*(6), 720-739. doi:10.1037/rev0000078
21. *Haas, S., **Amsso, D.**, & Fox, N. (2016). The effects of emotion priming on visual search in socially anxious adults. *Cognition and Emotion*, *31*(5), 1041-1054. doi: 10.1080/02699931.2016.1180281.
22. *Markant, J. & **Amsso, D.** (2016). The development of selective attention orienting is an agent of change in learning and memory efficacy. *Infancy*. *21*(2), 154-76.
23. *Nussenbaum, K. & **Amsso, D.** (2016). An attentional goldilocks effect: evidence An optimal amount of social interactivity promotes word learning from video. *Journal of Cognitive Development*. *17*(1), 30-40. doi.org/10.1080/15248372.2015.1034316
24. Tandon, P., Tovar, A., Jayasuriya, A., Welker, E., Schober, D., Copeland, K., Dev, D., May-Murriel, A., **Amsso, D.**, & Ward, D. (2016). The relationship between physical activity and diet and young children's cognitive development: A systematic review. *Preventative Medicine Reports*, *3*, 379-390.
25. *Tummeltshammer, K., **Amsso, D.**, French, R., & Kirkham, N. (2016). Across space and time: Infants learn from backward and forward visual statistics. *Developmental Science*, *20*(5). doi: 10.1111/desc.12474
26. *Unger, K., Ackerman, L., Chatham, C.H., **Amsso, D.**, & Badre, D., (2016). Working memory gating mechanisms explain developmental change in rule-guided behavior. *Cognition*, *155*, 8-22. doi: 10.1016/j.cognition.2016.05.020
27. *Werchan, D., Collins, A., Frank, M., & **Amsso, D.** (2016). Role of Prefrontal Cortex in Learning and Generalizing Hierarchical Rules in 8-Month-Old Infants. *Journal of Neuroscience*, *5*, 36(40):10314-10322. doi: 10.1523/JNEUROSCI.1351-16.2016
28. **Amsso, D.** & Scerif G. (2015). The attentive brain: insights from developmental cognitive neuroscience. *Nature Reviews Neuroscience*, *16*, 606-19. doi: 10.1038/nrn4025.
29. *Markant, J., Ackerman, L.K., Nussenbaum, K., & **Amsso, D.** (2015). Selective attention neutralizes the adverse effects of socioeconomic status on memory in 9 month-old infants. *Developmental Cognitive Neuroscience*, *18*. 26-33. doi: 10.1016/j.dcn.2015.10.009.
30. *Markant, J., Oakes, L., & **Amsso, D.** (2015). An attentional not racial bias underlies the other-race effect in infancy. *Developmental Psychobiology*. *58*(3), 355-65. doi: 10.1002/dev.21375

31. *Markant, J., Worden, M., & **Amsso, D.** (2015). Not all attention orienting is created equal: Recognition memory is enhanced when attention orienting involves distractor suppression. *Neurobiology of Learning & Memory*, 20, 28-40. doi: 10.1016/j.nlm.2015.02.006
32. *Werchan, D., Collins, A., Frank, M.J., & **Amsso, D.** (2015). Eight-month-old infants spontaneously learn and generalize hierarchical rules. *Psychological Science*, 26(6), 805-15. doi: 10.1177/0956797615571442
33. **Amsso, D.**, Haas, S., McShane, L., & Badre, D. (2014). Working memory updating and the development of rule-guided behavior. *Cognition*, 133(1), 201-10.
34. **Amsso, D.**, Haas, S., Tenenbaum, E., Markant, J., & Sheinkopf, S. (2014). Bottom-up attention orienting in young children with autism. *Journal of Autism & Developmental Disorders*, 44(3), 664-73.
35. **Amsso, D.**, Markant, J., & Haas, S. (2014). An eye tracking investigation of developmental change in bottom-up attention orienting to faces in cluttered natural scenes. *PLOS ONE*, 9(1), e85701.
36. Frank, M.C., **Amsso, D.**, & Johnson, S.P. (2014). Visual search and attention to faces. *Journal of Experimental Child Psychology*, 118, 13-26.
37. *Markant, J. & **Amsso, D.** (2014). Leveling the playing field: Attention mitigates the effects of IQ on memory. *Cognition*, 131(2), 195-204.
38. Schlesinger, M., Johnson, S., & **Amsso, D.** (2014). Prediction-learning in infants as a mechanism for gaze control during object exploration. *Frontiers in Psychology*, 5(441), 1-12.
39. Schlesinger, M., Johnson, S.J., & **Amsso, D.** (2014). Learnability of infants' center-of gaze sequences predicts their habituation and posthabituation looking time. *Proceedings of the Fourth Joint IEEE Conference on Development and Learning and on Epigenetic Robotics*, 275-280. doi: 10.1109/DEVLRN.2014.6982993
40. *Tenenbaum, E., **Amsso, D.**, Abar, B., & Sheinkopf, S. (2014). Attention and word learning in autistic, language delayed and typically developing children. *Frontiers in Psychology*, 5(490) 1-9.
41. Blumstein, S. & **Amsso, D.** (2013). Neural plasticity and dynamic functional organization: Insights from Functional Neuroimaging. *Perspectives on Psychological Science*, 8(1), 44-48.
42. Hedges, J.H., Adolph, K.E.A., **Amsso, D.**, Bavelier, D., Fiez, J., et al. (2013). Play, attention, and learning: How do play and timing shape the development of attention and influence classroom learning? *Annals of the New York Academy of Sciences*, 1292, 1-20.
43. *Markant, J. & **Amsso, D.** (2013). Selective memories: Infants' encoding is enhanced in selection via suppression. *Developmental Science*, 16(6), 926-40.
44. Schlesinger, M. & **Amsso, D.** (2013). Image free-viewing as intrinsically-motivated exploration: Estimating the learnability of center-of-gaze image sequences in infants and adults. *Frontiers in Psychology*, 4(802) 1-12.

45. **Amsso, D.** & Davidow, J. (2012). The development of implicit learning from infancy to adulthood: Item relations, salience, & cognitive flexibility. *Developmental Psychobiology*, *54*(6),664-73.
46. Bath, K.G., Chuang, J., Spencer-Segal, J.L., **Amsso, D.**, Altemus, M., McEwen, B.S., & Lee, F.S. (2012). Variant BDNF (Val66Met) polymorphism contributes to developmental and estrous-stage-specific expression of anxiety-like behavior in female mice. *Biological Psychiatry*, *72*(6), 449-504.
47. *Emberson, L. & **Amsso, D.** (2012). Learning to sample: Eye tracking and fMRI indices of online changes in object perception. *Journal of Cognitive Neuroscience*, *10*, 2030-42.
48. Schlesinger, M., **Amsso, D.**, & Johnson. S.P. (2012). Simulating the role of visual selective attention during the development of perceptual completion. *Developmental Science*, *15*, 739-752.
49. Schlesinger, M., **Amsso, D.**, Johnson, S.P., Hantehzadeh, N., & Gupta, L. (2012). Using the iCub simulator to study perceptual development: A case study. *Proceedings of the Second Joint IEEE Conference on Development and Learning and on Epigenetic Robotics*, *1,6*, 7-9. IEEE, NY, NY.
50. Schlesinger, M., **Amsso, D.**, & Johnson. S.P. (2011). Increasing spatial competition enhances visual prediction learning. *Proceedings of the First Joint IEEE Conference on Development and Learning and on Epigenetic Robotics*, *2*(1). doi: 10.1109/DEVLRN.2011.6037379
51. **Amsso, D.**, Fitzgerald, M.,Davidow, J.Y., Gilhooly, T., & Tottenham, N. (2010). Visual exploration strategies and the development of infants' facial emotion discrimination. *Frontiers in Developmental Psychology*, *1*, 180.
52. Soliman, F., Glatt, C.E., Levita, L., Bath, K.G., Jones, R. M., Pattwell, S.S., Tottenham, N., **Amsso, D.**, Somerville, L., Voss, H. U., Glover, G., Ballon, D.J., Lee, F.S., & Casey, B.J. (2010). Genetic Variant BDNF (Val66Met) Polymorphism Alters Learning in Mouse and Human, *Science*, *13*(1), 46-61.
53. **Amsso, D.** (2009). *Perceptual development: Attention*. In B. Goldstein (Ed.). *Encyclopedia of Perception*. SAGE Publications, Thousand Oaks, CA.
54. **Amsso, D.** & Johnson, S.P. (2009). *Building object knowledge from perceptual input*. In B.M. Hood & L. Santos (Eds.). *The origins of object knowledge*. Oxford University Press, NY, NY.
55. Casey, B.J., Glatt, C., Tottenham. N, Soliman, F., Bath, K., **Amsso, D.**, Altemus, M., Pattwell., S., Jones, R., Levita, L., Mezey, J., Clark, A., Gunnar, M., Thomas, K., Hempstead, B., McEwen, B., & Lee, F.S. (2009). Brain-derived neurotrophic factor as a model system for examining gene by environment interactions across development. *Neuroscience*, *164*, 108-120.
56. **Amsso, D.** & Casey, B.J. (2008). *The development of cognitive control*. In L. Squire (Ed.), *The Encyclopedia of Neuroscience*. Elsevier, San Diego, CA.
57. **Amsso, D.** & Johnson, S.P. (2008). Development of visual selection in 3- to 9-month-old infants: Evidence from saccades to previously ignored locations. *Infancy*, *13*(6), 675-686.

58. Diamond, A., & **Amsso, D.** (2008). Contributions of neuroscience to our understanding of cognitive development. *Current Directions in Psychological Science*, *17*(2), 136-141.
59. Johnson, S. P., **Amsso, D.**, Frank, M. C., & Shuwairi, S. M. (2008). *Perceptual development in infancy as the foundation of event perception*. In T. F. Shipley & J. Zacks (Eds.), *Understanding events: From perception to action*. Oxford University Press, NY, NY.
60. Shapiro, T., & **Amsso, D.** (2008). *School age development*. In A. Tasman, J. Kay, J.A. Lieberman, M.B. First, & M. Maj (Eds.). *Psychiatry*, 3rd Edition, Volume 1. John Wiley & Sons, NY.
61. Schlesinger, M., **Amsso, D.**, & Johnson, S.P. (2007). The neural basis for visual selective attention in young infants: A computational account. *Adaptive Behavior*, *15*, 135-148.
62. Schlesinger, M., **Amsso, D.**, & Johnson, S.P. (2007). Simulating infants' gaze patterns during the development of perceptual completion. In L. Berthouze, C.G. Prince, M. Littman, H. Kozima, & C. Balkenius (Eds.), *Proceedings of the Seventh International Workshop on Epigenetic Robotics: Modeling Cognitive Development in Robotic Systems*, 157-64.
63. **Amsso, D.**, & Casey, B.J. (2006). Beyond what develops when: Neuroimaging may inform how cognition changes with development. *Current Directions in Psychological Science*, *15*(1), 24-29.
64. **Amsso, D.**, & Johnson, S.P. (2006). Learning by selection: Visual search and object perception in young infants. *Developmental Psychology*, *42*(6), 1236-45.
65. **Amsso, D.**, & Johnson, S.P. (2006). Visual selection and object perception. *Proceedings of The Fifth International Conference on Development & Learning*, 1-5. IEEE, NY, NY.
66. Casey, B.J., **Amsso, D.**, & Davidson, M.C. (2006). *Learning about learning and development with modern imaging technology*. In Yuko Munakata & Mark H. Johnson (Eds.), *Processes of Change in Brain and Cognitive Development, Attention & Performance XXI*. Oxford University Press, NY.
67. Davidson, M., **Amsso, D.**, Cruess, L., & Diamond, A. (2006). Development of cognitive control and executive functions from 4-13 Years: Evidence from manipulations of memory, inhibition, and task switching. *Neuropsychologia*, *44*(11), 2037-2078.
68. **Amsso, D.**, Davidson, M. C., Johnson, S. P., Casey, B. J. (2005). The contributions of the hippocampus and the striatum to simple association and frequency-based learning. *NeuroImage*, *27*, 219-298.
69. **Amsso, D.** & Johnson, S. P. (2005). Selection and inhibition in infancy: Evidence from the spatial negative priming paradigm. *Cognition*, *95*(2), B27-B36.
70. Johnson, S. P., Hannon, E., **Amsso, D.** (2005). *Perceptual development*. In Brian Hopkins (Ed.), *The Cambridge Encyclopedia of Child Development*, Cambridge University Press, Cambridge, UK.

71. Johnson, S. P., Slemmer, J. A., & **Amsso, D.** (2004). Where infants look determines how they see: Eye movements and object perception performance in 3-month-olds. *Infancy*, 6(2), 185-201.
72. Johnson, S. P., **Amsso, D.**, Slemmer, J. A. (2003). Development of object concepts in infancy: Evidence for early learning in an eye tracking paradigm. *Proceedings of the National Academy of Sciences (USA)*, 100(18), 10568-10573.
73. Diamond, A., Kirkham, N., & **Amsso, D.** (2002). Conditions under which young children CAN hold two rules in mind and inhibit a prepotent response. *Developmental Psychology*, 38(3), 352-362.

other publications

74. *Al Sager, A., Dajani, R., & **Amsso, D.** (forthcoming 2020). *Cognitive development mechanisms underlying socioemotional learning*. In Margaret Sinclair & Andy Smart (Eds). *Educating for the Social, the Sustainable and the Emotional*.
75. **Amsso, D.** & Blumberg, M. (2019). 50th Anniversary of Developmental Psychobiology. *Developmental Psychobiology*, 61(3). 315. doi: 10.1002/dev.21857
76. Dajani, R., Al Sager, A., & **Amsso, D.** (2019). The value of the We Love Reading program for executive functions in Jordanian children. *Proceedings of MIT Learning International Networks Consortium (LINC)*.
77. **Amsso, D.** (2017). When do children start making long-term memories? *Scientific American Mind*, 28(1). 72-73.
78. **Amsso, D.** & Schlaggar, B. (2016). Editorial: *Developmental Cognitive Neuroscience*, 18(1).
79. Vinson, D.W., Abney, D.H, **Amsso, D.**, Chemero, Cutting, J.E., Dale, R., Freeman, J.B., Feldman, L.B., Friston, K.J., Gallagher, S., Jordan, J.S., Mudrik, L., Ondobaka, S., Richardson. D.C., Shams. L., Spivey, M.J., et al. Perception, as you make it. *The Behavioral and Brain Sciences*. 39: e260. doi: 10.1017/S0140525X15002678
80. **Amsso, D.** (2015). Editorial: News from the editors A winner of 2014 Developmental Science Early Career Research Prize. *Developmental Science*, 6(18), 863.
81. **Amsso, D.** & Markant, J. (2012). Self-regulation: A comprehensive overview of an interdisciplinary topic. *PsycCritiques*, 56. (Daniel Wedding, Ed).
82. **Amsso, D.** (2011). *The developmental process: Evidence from an integrating science*. In *Developmental Psychology* (Johan Hakansson, Ed.). Nova Science Publishers. pp.181-3.
83. Schlesinger, M., & **Amsso, D.** (2011). Oculomotor Skill Supports the Development of Object Representations. A commentary on "Précis of: The Origin of Concepts". *BBS*, 34, 113-167.
84. **Amsso, D.** (2009). A cohesive developmental social neuroscience: research, methods, and integration. *PsycCritiques-Contemporary Psychology: APA Review of Books*, 54 (No. 40), 3.

INVITED NATIONAL/INTERNATIONAL SYMPOSIA

- 2020 “The ontogeny of hippocampus-dependent memory.” Submitted to the Society for Neuroscience, October, Washington, DC.
- 2020 “How infants negotiate a cluttered world: Attention to multiple cues and the role of reward.” Submitted to the International Conference on Infant Studies, July, Glasgow, Scotland.
- 2019 “Relating to others: Implications for cognitive development.” *Social relevance as a cue to learning and attention in infancy*. Presented at Cognitive Development Society (CDS), October, Louisville, KY.
- 2019 “How the Environment Shapes Learning Across Development.” *Differential impact of socioeconomic status on associative and reward learning in infancy*. Presented at the Society for Research in Child Development (SRCD), March, Baltimore, MD.
- 2018 “Acquiring knowledge: a multimethod and multispecies symposium on learning.” *Learning to attend: 2D and naturalistic environments require different learning systems*. Presented at International Society for Developmental Psychobiology (ISDP), San Diego, CA.
- 2018 “Mechanisms governing learning in multisensory contexts.” *The Origins of Cortical Multisensory Dynamics: Evidence From Human Infants*. Presented at International Mind Brain and Education Society (IMBES), Los Angeles, CA.
- 2018 “More than meets the eye: Pupil dilations and spontaneous eye-blinks as complementary measures of infant cognition”. *Pupil dilation, eye-blink rate, and the value of mother establish the origins of reward learning in infancy*. Presented at 21st Biennial International Conference on Infant Studies (ICIS), Philadelphia, PA.
2018. “Developmental Links: Speech, Language, and Executive Functions.” *Language and learning mechanisms in infancy*. Presented at 33d Annual Mortimer D. Sackler Winter Conference in Developmental Psychobiology.
- 2017 “Neurodevelopmental Mechanisms of the Achievement Gap.” *Socioeconomic status differences in cognitive development begin in infancy*. Presented at the Association of Psychological Science, Boston, MA.
- 2017 *A SmartPlayroom for early diagnosis and classification of neurodevelopmental disorders*. 32nd Annual Mortimer D. Sackler Winter Conference in Developmental Psychobiology.
- 2017 *Contextual cueing effects on visual selective attention in 6- and 10-month-old infants*. 7th Annual CEU Conference on Cognitive Development, Budapest, Hungary.
- 2017 “Early Adversity and Executive Function Development.” *The unique role of cognitive enrichment in the development of rule-guided behavior*. Society for Research in Child Development, Austin, TX.

- 2016 “Infants’ Sensitivity to Rules, Regularities, and Cues.” *8-month-old infants create hierarchical rules to support learning and generalization in novel contexts*. International Conference on Infant Studies, New Orleans, LA.
- 2015 “Working Memory Mechanisms During Development.” *Visual attention supports encoding for subsequent memory*. International Conference for Psychological Science. Amsterdam, Netherlands.
- 2014 *An attentional but not racial bias underlies the other-race effect in infancy*. International Society for Developmental Psychobiology, Washington, DC.
- 2014 “Infant/Toddler Cognition.” *The early emergence of hierarchical rule learning*. Co-authored Talk presented at the Flux Congress on Integrative Developmental Cognitive Neuroscience, Los Angeles, CA.
- 2014 “Human Reinforcement Learning: Cognition and Ageing.” *The development of hierarchical rule learning and generalization in infancy*. Co-authored Talk to be presented at the annual meeting of the Society for Neuroscience, Washington, DC.
- 2013 “Attention”: *Attention modulates the effects of intelligence on recognition memory during the school years*. Society for Research in Child Development. Seattle, WA.
- 2013 “Advances in Executive Functions Research.” *The development of rule-guided behavior in the transition from childhood into adolescence*. Cognitive Development Society, Memphis, TN.
- 2012 “Naturalistic Experimentation”. *The typical developmental trajectory of bottom-up relative to top-down influences on gaze direction*. International Society for Infant Studies, Minneapolis, MI.
- 2010 “When Stroop & Ebbinghaus Meet. The role of cognitive control in memory retrieval.” *The development of learning from multiple parameters: item relations, salience, and cognitive flexibility*. Memory Disorders Research Society Meeting, Chicago, Illinois.
- 2010 *The development of learning from multiple sources: Salience, prediction, and cognitive flexibility*. International Society for Developmental Psychobiology, San Diego, CA.
- 2009 “Sensory Integration & Perception: Impact on Function and Development”. The Tenth Annual Research Symposium, R2K. *Mechanisms of visual exploration: A developmental account*. Long Beach, CA
- 2009 “The Role of Action in the Development of Object Perception”. *The role of oculomotor development on object perception*. Cognitive Development Society. San Antonio, TX
- 2009 “Paying Attention to Attention in Language Learning and Development”. *The interaction of learning and maintenance systems over development*. Society for Research in Child Development, Denver, CO.

- 2008 “Methods in developmental cognitive neuroscience: the state of the art”. *Functional Magnetic Resonance Imaging & Diffusion Tensor Imaging: Applications and promise for developmental research*. International Conference on Infant Studies Vancouver, BC.
- 2007 “BDNF, learning and development”. *Human imaging studies of BDNF, learning and development*. 22nd Annual Winter Conference, Current Issues in Developmental Psychobiology, Costa Rica.
- 2006 “Toward a constructivist account of perceptual completion”. *Visual selection and object perception*. International Conference on Development and Learning, Bloomington, IN.
2005. “Object knowledge”. *Building object knowledge from perceptual input*. Yale University, New Haven, CT.

INVITED NATIONAL/INTERNATIONAL TALKS

- 2020 Kavli Summer Institute in Cognitive Neuroscience, Santa Barbara, CA.
- 2020 Department of Psychology, University of Southern California, CA.
- 2020 International Congress for Infant Studies, Glasgow, Scotland.
- 2019 Haskins Laboratory and Yale University, CT.
- 2019 Invited Speaker, Bill and Melinda Gates Foundation, Seattle, WA.
- 2019 Department of Psychology, Columbia University, NY.
- 2019 Teacher’s College, Columbia University, NY.
- 2019 Cognitive Development Society, Louisville, KY.
- 2019 Department of Psychology, UPENN, PA.
- 2018 Department of Psychiatry, Columbia University, NY.
- 2018 Department of Applied Psychology, NYU, NY.
- 2018 Bridging Research and Practice Successfully, Amman, Jordan
- 2018 Department of Psychology, Yale University, CT.
- 2018 Department of Psychology, University of Tennessee, TN.
- 2018 Rhode Island Policy Lab, Brown University, RI.
- 2017 Center for Mind and Brain, UC Davis, CA.
- 2017 Center for Neurobehavioral Development, University of Minnesota, MN.
- 2017 Laboratories of Cognitive Neuroscience, Harvard Medical School, MA.
- 2016 Department of Psychology, New York University, NY.
- 2016 Department of Psychology, Cornell University, Ithaca, NY.
- 2016 Department of Psychology, Harvard University, Boston, MA.
- 2016 Department of Psychology, New York University, NY, NY.
- 2016 Department of Psychology, University of Indiana, Bloomington, IN.
- 2015 Northeastern University, Boston, MA
- 2015 Alpert Medical School, Brown University, RI.
- 2015 Department of Psychology, The University of Arizona, AZ.
- 2015 Weil Medical College of Cornell University, NY.
- 2015 The Global Education & Leadership Foundation, NY.
- 2014 The International Congress for Integrative Developmental Cognitive Neuroscience. CA.
- 2014 Department of Psychology Developmental Talk Series, University of Connecticut, CT
- 2014 Current Works in Behavior, Genetics, and Neuroscience talk series Yale University, CT.

- 2014 TRI Lab: Conducting Research in Real World Settings, Brown University, Providence, RI.
- 2014 Department of Psychology, University of Massachusetts at Amherst, MA.
- 2014 Department of Neurology, Warren Alpert Medical School, Brown University, RI.
- 2014 Department of Psychology and Center for Neural Science, Duke University, NC.
- 2014 The 2014 Mortimer D. Sackler Summer Institute in Developmental Psychobiology, NY.
- 2013 James S. McDonnell Scholar Award Meeting, Cambridge, UK.
- 2013 Bradley Hospital, Brown University, RI.
- 2013 2013 Sackler Summer Institute in Developmental Psychobiology, NY.
- 2013 Harvard Medical School, Boston Children's Hospital, MA.
- 2013 Department of Psychology, University of Massachusetts, MA.
- 2013 Recent Advances in Infant Research: Attention and Memory in Infancy, NY.
- 2011 Sackler Institutes, Weil Cornell Medical College, NY.
- 2010 Brown Institute for Brain Science Brown University, RI.
- 2009 Cognitive Linguistic and Psychological Sciences, Brown University, RI.
- 2009 Psychology Brown Bag, Columbia University: Little mechanisms, big world, NY.
- 2008 Weill Cornell Program in Neuroscience Retreat, WCMC, Cornell University, NY.
- 2007 Child and Family Center, Rockefeller University, NNY.
- 2007 Department of Psychology, Rutgers, NJ.
- 2005 Department of Psychology, University of California at Berkeley, CA.
- 2005 Department of Psychology, University of Denver, CO.
- 2005 Department of Psychology, Harvard University, MA.
- 2005 Department of Psychology, UMASS at Amherst, MA.
- 2005 Sackler Institute for Developmental Psychobiology, WCMC, Cornell University, NY.

SYMPOSIA/WORKSHOPS ORGANIZED

- 2019 Program Committee, Winter Meeting in Developmental Psychobiology
- 2018 Program Committee, Winter Meeting in Developmental Psychobiology
- 2017 Program Committee, Winter Meeting in Developmental Psychobiology
- 2017 Organizer: *Inspiring Women in Science*, Brown University
- 2017 Chair: *Innovations in Eye-Tracking Methodologies to Study Anxiety-Related Threat Biases Across Development*. Society for Research in Child Development, Austin, TX.
- 2016 Co-Organizer: *Brains in Crisis: Stress and Resilience in Syrian Refugee Children*, Brown
- 2015 Co-Organizer: International Conference on Development and Learning and Epigenetic Robotics, Brown University
- 2012 Chair: *Attention and Brain Development*. Mortimer D. Sackler Winter Meeting. Oahu, Hawaii.
- 2011 Co-Chair: *Attention and memory interactions across development*. Cognitive Development Society, Philadelphia, PA.

2010 Chair: *Emergent Complexity: A cross domain approach to infant learning*. International Conference on Infant Studies, Baltimore, MD.

2007 Co-Director, John Merck Fund Summer Institute on the Biology of Developmental Disabilities; Cornell University, Ithaca, NY.

PRESS/PUBLIC INTEREST

NY Times

For Refugee Children, Reading Helps Trauma

<https://www.nytimes.com/2019/04/17/opinion/syria-refugee-children.html>

Embassy of the Hashemite Kingdom of Jordan, Press Release

<http://jordanembassyus.org/news/pm-patronizes-we-love-reading-conference>

Story in the Public Square, PBS interview

<http://pellcenter.org/nature-nurture-with-neuroscientist-dima-amso/>

Panel event on with Director of UNICEF and Minister of Social Affairs in Jordan

<https://www.youtube.com/watch?v=m8CSGIPIF9c&feature=share>

PBS News Hour

<https://www.pbs.org/newshour/world/agents-for-change/how-a-jordanian-scientist-spreads-the-love-of-reading-around-the-world>

Providence Journal

Inside Story: Resiliency of Syrian Refugees Offers Hope

<https://www.providencejournal.com/news/20180615/inside-story-resiliency-of-syrian-refugees-offers-hope>

Daily Mail

Babies are smarter than you think

<https://www.dailymail.co.uk/sciencetech/article-5040021/Babies-smarter-think.html>

Providence Journal

Brown to Celebrate Women in Science

<http://www.providencejournal.com/news/20170416/brown-to-celebrate-women-in-sciences>

APA Science Brief on Dima Amso

<http://apa.org/science/about/psa/2016/01/visual-attention.aspx>

AAAS Eureka Alert

Infants Use Prefrontal Cortex in Learning

https://www.eurekaalert.org/pub_releases/2016-10/bu-iup100216.php

Science Daily

<https://www.sciencedaily.com/releases/2016/10/161005095310.htm>

Providence Journal

Brains in Crisis Meeting

<http://www.providencejournal.com/article/20160406/NEWS/160409508>

PROFESSIONAL SERVICE (each year separately)

To the Department/University

2019-p Steering Committee, Center for Middle East Studies
2019-p Faculty Affiliate, Humanitarian Innovation Initiative, Watson Institute
2019 Director of Graduate Studies, CLPS Department
2019 Lipsitt-Duchin Lecture Steering Committee
2019 Magnetic Resonance Facility Scientific Advisory Board
2018 Faculty Affiliate, Humanitarian Innovation Initiative, Watson Institute
2018 Director of Graduate Studies, CLPS Department
2018 Neuroscience Graduate Program Steering Committee
2018 Magnetic Resonance Facility Scientific Advisory Board
2017 Director of Graduate Studies, CLPS Department
2017 Faculty Affiliate, Humanitarian Innovation Initiative, Watson Institute
2017 Neuroscience Graduate Program Steering Committee
2017 Magnetic Resonance Facility Scientific Advisory Board
2017 Humanitarian Initiative Seed Grant Reviewer
2017 Co-Organizer, *Inspiring Women in Science*, Brown University
2016 Director of Graduate Studies, CLPS Department
2016 Faculty Affiliate, Humanitarian Innovation Initiative, Watson Institute
2016 Magnetic Resonance Facility Scientific Advisory Board
2016 CLPS, Undergraduate Curriculum Committee
2016 Psychology ScB Concentration Advisor
2015 Magnetic Resonance Facility Scientific Advisory Board
2015 Faculty Mentor for Young Scholars Conference, Brown University
2015 CLPS, Undergraduate Curriculum Committee
2015 Psychology ScB Concentration Advisor
2015 NIH Responsible Conduct of Research Lecture
2015 CLPS, Undergraduate Curriculum Committee
2014 Committee Member, Cognitive Neuroscience Faculty Search
2014 Psychology ScB Concentration Advisor
2014 Schlosberg/Sher Fein Award Committee
2014 Neustein Graduate Fellowship Applications Reviewer
2014 CLPS, Undergraduate Curriculum Committee
2014. Brown 250th Anniversary BIBS Talk and Lab Demonstrations
2014 RINC Pilot Program Grant Reviewer
2013 Psychology ScB Concentration Advisor
2013 CLPS, Undergraduate Curriculum Committee

2012 Psychology ScB Concentration Advisor
 2012 CLPS, Undergraduate Curriculum Committee
 2012 Neuroscience Graduate Program Graduate Admissions Committee
 2011 Psychology ScB Concentration Advisor
 2011 CLPS, Undergraduate Curriculum Committee
 2011 Schlosberg/ Sher Fein Award Committee
 2010 CLPS, Undergraduate Curriculum Committee
 2010 Psychology ScB Concentration Advisor

Editorial Service to Scientific Community

2019-p Associate Editor, *Child Development*
 2019 Guest Editor, 50th Anniversary Special Issue of *Developmental Psychobiology*
 2016 Associate Editor, *Developmental Science*
 2015 Guest Editor, Special Issue *Developmental Cognitive Neuroscience*
 2015 Associate Editor, *Developmental Science*
 2014 Associate Editor, *Developmental Science*
 2014-p Consulting Editor, *Developmental Psychology*
 2013 Associate Editor, *Developmental Science*
 2010-p Editorial Board, *Infancy*
 2010-p Associate Editor, *Frontiers in Developmental Psychology*

Additional Review Service to Scientific Community

2019 National Institutes of Health Director's New Innovator Award Review
 2019 Society for Research in Child Development Panel Chair: Cognitive Processes
 2018 National Institutes of Health, Sensory and Motor Neuroscience *Fellowship* study section
 2016 National Science Foundation, Developmental & Learning Sciences
 2016 National Institutes of Health, Sensory and Motor Neuroscience *Fellowship* study section
 2015 Society for Research in Child Development Panel Reviewer
 2015 ICIS Developmental Neuroscience Panel Co-Chair
 2015 National Institutes of Health Early Career Reviewer Program
 2015 National Institutes of Health *Cognition & Perception* study section
 2015 National Institutes of Health *Environmental Contributions to Autism Spectru Disorders*
 2015 National Institutes of Health Sensory and Motor Neuroscience, *Cognition & Perception*
 2014 Society for Research in Child Development Panel Reviewer
 2013 Society for Research in Child Development Panel Reviewer
 2012 Society for Research in Child Development Panel Reviewer
 2011 Society for Research in Child Development Panel Reviewer
 2007 Biological Processes Panel, International Conference on Infant Studies

Service in Commitment to Diversity & Inclusion

2020 Co-PI, NSF Diversity Travel Award Proposal for ISDP
 2019-p URM Faculty Search Committee, Carney Institute for Brain Science
 2019 Professional Development Workshop for Local Teachers on Learning and Brain Development
 2019 Graduate Students of Color in STEM Workshop Leader

2019 Women in STEM Workshop Leader
 2019 NIH Initiative for Maximizing Student Development Selection Committee and Board
 2019- CLPS Department Diversity & Inclusion Committee
 2018 NIH Initiative for Maximizing Student Development Selection Committee and Board
 2018 CLPS Department Diversity & Inclusion Committee
 2017 Organizer: *Inspiring Women in Science*, Brown University
 2017 Mentor for women in science, Three Circles of Aemat, PEER Project of the National Academies of Science, Engineering, and Medicine
 2017 CLPS Department Diversity & Inclusion Committee
 2016 CLPS Department Diversity & Inclusion Committee
 2016 Graduate Women in Science Faculty Panel
 2015-p Project Director: Stress and Resilience in Syrian Refugee Children

Other Service

2019-20 Program Committee, FLUX Congress 2020
 2019- Sponsorship Committee, International Society for Developmental Psychobiology
 2019 APA PsycShorts Jury Panel
 2019 FLUX Congress Dissertation Award Committee
 2019 Board Member, International Society for Developmental Psychobiology
 2019 Steering Committee, Mortimer D. Sackler Winter Conference in Developmental Psychobiology
 2018 Board Member, International Society for Developmental Psychobiology
 2018 Steering Committee, Mortimer D. Sackler Winter Conference in Developmental Psychobiology
 2017 Board Member, International Society for Developmental Psychobiology
 2017 Steering Committee, Mortimer D. Sackler Winter Conference in Developmental Psychobiology

TEACHING AND ADVISING

2020-Spring CLPS 0040: Brain and Mind: Introduction to Cognitive Neuroscience (74)
 2019-Fall CLPS 1620: Developmental Cognitive Neuroscience (22)
 2019-Spring CLPS 1690: Lab in Developmental Psychology (20)
 2018-Fall CLPS 1620: Developmental Cognitive Neuroscience (22)
 2018-Spring CLPS 00600: Developmental Psychology (139)
 2017-Spring CLPS 0040: Brain and Mind: Introduction to Cognitive Neuroscience (147)
 2016-Fall CLPS 1690: Lab in Developmental Psychology (15)
 2016-Spring CLPS 0040: Brain and Mind: Introduction to Cognitive Neuroscience (117)
 2015-Fall CLPS 1620: Cognitive Developmental Neuroscience (21)
 2015-Spring CLPS 1690: Lab in Developmental Psychology (21)
 2013-Fall CLPS 1620: Cognitive Developmental Neuroscience (21)

2013-Fall CLPS 2800D: Graduate Core Topics in Developmental Psychology (4)
2013-Spring CLPS 1690: Lab in Developmental Psychology (12)
2012-Fall CLPS 1680: Developmental Disorders (17)
2012-Spring CLPS 0040: Brain and Mind: Introduction to Cognitive Neuroscience (80)
2011-Fall CLPS 1620: Cognitive Developmental Neuroscience (18)
2011-Spring CLPS 1690: Lab in Developmental Psychology (15)

Postdoctoral Fellows

Denise Werchan (2019-)
Julie Markant (2010-2015)
Kristen Tummultshammer (2015-2018)
Livia Freier (2015-2018)
Heidi Baumgartner (2014-2017)
Kerstin Unger (2013-2015)
Elena Tenenbaum (2012-2015)

Graduate Student (primary advisees)

Lauren Emberson, PhD (Awarded 2011)
Andrew Lynn (2014-)
Denise Werchan, PhD (Awarded 2019)
Jazlyn Nketia (2017-)

Additional Graduate Mentorship (2011-2018)

Camila Demaestri (Prelim Committee)
Elena Luchkina (Dissertation Committee)
Meghan Gallo (First Year Project Committee)
Diana Burk (Dissertation Committee Chair)
Jie Ren (Dissertation Committee)
Boyoung Kim (Prelim, Dissertation Committee)
Fang-Chi Yang (Prelim/ Dissertation Committee)
Christopher Erb (Dissertation Committee)
Nicholas Franklin (Prelim Committee)
Ali Arslan (Prelim Committee)
Elena Tenenbaum (Dissertation Committee)
Glenda Molina (Dissertation Committee)
Haley Goodwill (2013, Rotation)

Undergraduate Research Independent Studies Advised

2019 CLPS 1980: Cassandra T-Pedersen (Fall)
CLPS 1980: Loretta Egoigbe ('20 Honors Thesis advisee)
CLPS 1980: Delphine Mahos-Moros ('20 Honors Thesis advisee)
CLPS 1980: Lily Gordon (Fall)

CLPS 1970: Lily Gordon (Spring)
CLPS 1980: Rachel Martino ('19 Honors Thesis advisee)
CLPS 1980: Chloe Burns ('19 Honors Thesis advisee)
CLPS 1980: Ninya Hinduja

2018

CLPS 1970: Hattie Xu
CLPS 1970: Zahra Asghar (Cogut Fellowship)
CLPS 1980: Rachel Martino ('19 Honors Thesis advisee)
CLPS 1980: Chloe Burns ('19 Honors Thesis advisee)

2016-2017

CLPS 1980: Benjamin Silver ('17, *Honors Thesis advisee*)
CLPS 1980: Estee Feldman
CLPS 1980: Margaret Barry

2015 -2016

CLPS 1980: Rebecca Patey ('16)
CLPS 1980: Benjamin Silver ('17, *Summer UTRA awardee*)

2014-2015

CLPS 1980: Kate Nussenbaum ('15, *Honor's Thesis Advisee*, Rhodes Scholar)
CLPS 1980: Norbert Promagan ('15, *Honor's Thesis Advisee*)
CLPS 1980: Daniel Coppersmith ('15, *Honor's Thesis Advisee*)
CLPS 1980: William Palmer ('15)
CLPS 1980: Julio Cesar Luna ('15)

2013-2014

CLPS 1980: Analise Roland ('13)
CLPS 1980: Kate Nussenbaum ('15)
CLPS 1980: Lauren Beeder ('13)
CLPS 1980: Vivian Carlson ('14)
CLPS 1980: Dannielle John-Wiley ('13)
CLPS 1980: Robin Sifre ('14)
CLPS 1980: Meghan Wenzel ('14)

2012-2013

CLPS 1980: Simren Kanwal ('12)
CLPS 1980: Natasha Katoni ('12, *Honors Thesis Advisee*)
CLPS 1980: Emily Shelkowicz ('12)

2011-2012

CLPS 1980: James Giarraputo ('15)
CLPS 1980: Mary Samantha English ('14)
CLPS 1980: Natasha Katoni ('12, *Honors Thesis Advisee*)
CLPS 1980: Hilary Tackie ('13)

Fall 2011

CLPS 1980: Damilola Olatunji ('11)
CLPS 1980: Nolan Broussard ('11)

STUDENT PRESENTATIONS & REFEREED ABSTRACTS

1. *Gunther, K.E., Werchan, D.M., Anaya, B., Vallorani, A., Pérez-Edgar, K., & **Amsso, D.** (2020, July). Maternal buffering of neural responses to neutral facial stimuli varies as a function of infant temperamental regulation. Submitted to the International Conference on Infant Studies. Glasgow, Scotland.
2. *Werchan, D., & **Amsso, D.** (2020, July). Top-down activation in mid-level visual regions supports the emergence of efficient object perception across the first year of life. Submitted to the International Conference on Infant Studies. Glasgow, Scotland.
3. *Lynn, A., Rida, L., Maul, J., Franklin, A., & **Amsso, D.** (2019, October). Visual processing contributions to feature search across childhood. Presented at the Cognitive Development Society. Louisville, KY.
4. *Nketia, J. & **Amsso, D.** (2019, October). Can We Make Analogous Executive Functions Tasks Across Computerized and Naturalistic Testing Environments? Presented at the Cognitive Development Society. Louisville, KY.
5. *T-Pedersen, C., & **Amsso, D.** (2019, October). More than fun and games: play as an index of developing executive functions. Presented at the Cognitive Development Society. Louisville, KY.
6. *Werchan, D., Gordon, L., & **Amsso, D.** (2019, October). Top-down activation in mid-level visual regions supports efficient object perception in 8-10-month-old infants. Presented at the Cognitive Development Society. Louisville, KY.
7. *McCormick, C., Puggioni, G., Tokadjian, H., **Amsso, D.**, & Sheinkopf, S. (2019, October). Identifying meaningful profiles of visual attention in children with autism. Presented at the International Society for Developmental Psychobiology. Chicago, Ill.
8. *Lynn, A, Govindarajan, L., Kim, S., Thakkar, K., Serre, T., & **Amsso, D.** (2019, August). Top-down saliency maps link physical navigation and memory-guided attention in early childhood. Presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, New York, NY.
9. *Lynn, A, Festa, E.K., Heindel, W. C., & **Amsso, D.** (2018, September). Feature integration across the dorsal and ventral streams in childhood. Presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, Berlin, Germany.
10. *Nketia, J., Burns, C., & **Amsso, D.** (2018, September). Does socioeconomic status impact executive functions similarly in computerized vs. naturalistic testing environments? Poster presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, Berlin, Germany.
11. *Placido, D., Nketia, J.A., Werchan, D.M., **Amsso, D.** (2018, September). Exploring the effects of emotional enrichment on components of executive functions in children of varying socioeconomic

status. Poster presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, Berlin, Germany.

12. Werchan, D. M. & **Amso, D.** (2018, September). Rule learning supports the development of visual attentional biases in 9-month-old infants. Poster presented at the Flux Congress on Integrative Developmental Cognitive Neuroscience, Berlin, Germany.
13. Novick A.M., Werchan D.M., **Amso D.**, Parade S.H., Ackerman L., Gunther K, Seifer R., Philip N.S., Amso D., and Tyrka A.R. (2018, May). Cognitive and affective function in school- aged children experiencing trauma and adversity. Presented at 73rd Annual Meeting of the Society of Biological Psychiatry, NY.
14. *Lynn, A. Festa, E.K., Heindel, W. C., & **Amso, D.** (2018, May). Feature integration across the dorsal and ventral streams in childhood. Presented at the Vision Sciences Society, Naples, FL.
15. *Werchan, D.M., Gunther, K., & **Amso, D.** (2017, September). 9-month-olds use higher-order contexts to organize working memory representations in the a-not-b task. Poster presented at International Congress on Integrative Developmental Cognitive Neuroscience, Portland, OR.
16. *Tummeltshammer, K. & **Amso, D.** (2017, September). Visual learning is modulated by reward value in infancy. Flash Talk presented at International Congress on Integrative Developmental Cognitive Neuroscience, Portland, OR.
17. *Werchan, D. M., Baumgartner, H., Martino, R., Lewkowicz, D. & Amso, D. (2017, April). Unisensory and multisensory processing in cortex. Presented at SRCD, Austin, Texas.
18. *Werchan, D. M., Gunther, K., & **Amso, D.** (2017, April). 9-month-old infants use contextual cues to support working memory in the a-not-b task. Poster presented at the Society for Research in Child Development, Austin, Texas.
19. *Freier, L., Gunther, K., Silver, B., Badre, D., & **Amso, D.** (2017, April). 3- to 7-year-olds' use of working memory gating strategies in a naturalistic task. Presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.
20. *Tummeltshammer, K., & **Amso, D.** (2017, April). Infants transfer visual responses from rewards to reward predictive cues. Poster presented at the biennial meeting of the Society for Research in Child Development (SRCD), Austin, TX.
21. *Tummeltshammer, K., & **Amso, D.** (2017, January). Infants transfer visual responses from rewards to reward predictive cues. Poster presented at the 7th Annual CEU Conference on Cognitive Development, Budapest, Hungary.
22. *Baumgartner, H., Werchan, D., Lewkowicz, D., & **Amso, D.** (2016, September). Cortical plasticity and specialization in response to multimodal events in infancy. Presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, St. Louis, MI.

23. *Lynn, A. & **Amso, D.** (2016, September). Valence modulate visual perceptual discrimination: Evidence from the other-species effect. Presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, St. Louis, MI.
24. *Baumgartner, H., Haas, S., Ackerman, L., Kirkham, N., & **Amso, D.** (2016, May). The development of object-based attention in infancy. Presented at the International Conference on Infant Studies, New Orleans, LA.
25. *Gunther, K., Markant, J., Martino, R., & **Amso, D.** (2016, May). The relation between attention orienting in infancy and executive control in early childhood. Presented at the International Conference on Infant Studies, New Orleans, LA.
26. *Righi, G., Tenenbaum, E., **Amso, D.**, & Sheinkopf, S. (May, 2016). Sensitivity to audio-visual synchrony and its relation to language abilities in children with ASD. Presented at the International Meeting for Autism Research.
27. *Tenenbaum, E., **Amso, D.**, & Sheinkopf, S. (2015, November). Attentional cues to support word learning among children with ASD and typically developing children. Presented at the Boston University Conference of Language Development, Boston, MA.
28. *Lynn A, **Amso, D.** (2015, September). Dorsal stream hierarchical organization and the development of visual attention. Presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, Leiden, Netherlands.
29. *Werchan, D. M., Collins, A. G. E., Frank, M. J., & **Amso, D.** (2015, September). Activation of prefrontal cortex during hierarchical rule learning in 8-month-old infants: data from near-infrared spectroscopy. Presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, Leiden, Netherlands.
30. *Tenenbaum, E., **Amso, D.**, & Sheinkopf, S. (2015, May). Attentional cues to support word learning among autistic and typically developing children. Presented at the International Meeting for Autism Research, Salt Lake City, UT.
31. *Ackerman, L., Markant, J., & **Amso, D.** (2015, March). Selective attention mitigates relationship between socioeconomic status and memory in infancy. Presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
32. *Nussenbaum, K. & **Amso, D.** (2015, March). An attentional Goldilocks effect for children's word learning from digital media. Presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.
33. *Unger, K., Chatham, C.H., Ackerman, L., Luna-Delgado, J.C., Badre, D., & **Amso, D.** (2015, March). Working memory gating mechanisms provide a key to understanding developmental change in rule-guided behavior. Presented at the biennial meeting for the Society for Research in Child Development, Philadelphia, PA.

34. *Werchan, DM, Frank, M.J., & **Amso, D.** (2014, November). The development of hierarchical rule learning and generalization in infancy. Presented at the International Society for Developmental Psychobiology, Washington, DC.
35. *Unger, K., Ackerman, L. **Amso, D.** & Badre, D. (2014, October). Developmental change in rule-guided behavior. Presented at the Society for Neuroscience, Washington, DC.
36. *Markant, J. & **Amso, D.** (2014, July). Selection via suppression counteracts the other-race effect among 9-month-old infants. Presented at the International Conference on Infant Studies, Berlin, Germany.
37. **Amso, D.**, Unger, K., & Badre D. (2013, September). The development of hierarchical cognitive control and rule abstraction. Presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, Pittsburgh, PA.
38. *Markant, J. & **Amso, D.** (2013, September). Attention moderates the effects of memory encoding and subsequent item recognition; Evidence from combined eye tracking and fMRI. Presented at the Flux International Congress on Integrative Developmental Cognitive Neuroscience, Pittsburgh, PA.
39. *Haas, S. & **Amso, D.** (2013, October). Developmental change in distribution of attention orienting in natural scenes with faces. Presented at the Cognitive Development Society, TN.
40. *Markant, J. & **Amso, D.** (2013, October). Selective attention moderates 4 month-old's categorization of cats and dogs. Presented at the Cognitive Development Society, Memphis, TN.
41. **Amso, D.**, Haas, S., Markant, J., Tenenbaum, E., & Sheinkopf, S. (2012, October). Influences on gaze direction in autism. Presented at the International Society for Developmental Psychobiology, New Orleans, LA.
42. *Markant, J. & **Amso, D.** (2012, June). Selective attention promotes category learning among 9-month-old infants. Presented at the International Society for Infant Studies, Minneapolis, MI.
43. *Swan, K., **Amso, D.**, & Kirkham, N. (2012, June). Infants learn spatial and temporal visual relations from directional statistics. Presented at the International Society for Infant Studies, Minneapolis, MI.
44. *Markant, J. & **Amso, D.** (2012, January). Attention and memory interactions across development. Presented at the Mortimer D. Sackler Winter Meeting on Developmental Psychobiology, Ko Olina O'ahu, HI.
45. **Amso, D.**, Haas, S., & Markant, J. (2011, November). What defines salience in visual orienting. Presented at the International Society for Developmental Psychobiology, Washington, DC.
46. *Haas, S., McShane, L., Badre, D., & **Amso, D.** (2011, October) The development of cognitive control: evidence from responses to simple relative to embedded rule structures. Presented at the Cognitive Development Society, Philadelphia, PA.

47. *Markant, J. & **Amso, D.** (2011, October). Attention and memory interactions across development. Presented at the Cognitive Development Society, Philadelphia, PA.
48. **Amso, D.**, & Davidow, J. (2011, April). Neural correlates of behavioral learning invariance across development: evidence from functional connectivity. Presented at the biennial meeting of the Society for Research in Child Development, Montreal, Canada.
49. *Emberson, L., Kahn, J., Haas, S. & **Amso, D.** (2011, April). Learning systems support object perception across regular environmental exposure: evidence from a combined fMRI/eye-tracking methods approach. Presented at the Cognitive Neuroscience Society, San Francisco, CA.
50. *McShane, L.M., *Haas, S., **Amso, D.**, & Badre, D. (2011, April). Developmental differences in hierarchical cognitive control. Presented at the Cognitive Neuroscience Society, San Francisco, CA.
51. *Kramer, B., & **Amso, D.** (2010, April). The role of maintenance in learning to associate temporally discontinuous items: A developmental investigation. Presented at the Cognitive Neuroscience Society Meeting, Montreal, Canada.
52. *Emberson, L., & **Amso, D.** (2010, April). Perceptual learning of complex objects: Mechanisms of integration across multiple views of a novel object in cluttered scenes? Presented at the Cognitive Neuroscience Society Meeting, Montreal, Canada.
53. **Amso, D.** & Tottenham, N. (2010, March). Targeted Visual Exploration of Fearful But Not Happy Faces Supports Emotion Discrimination. Presented at the International Conference on Infant Studies, Baltimore, MD.
54. *Fitzgerald, M., Tottenham, N., Davidow, J., Gilhooly, T., & **Amso, D.** (2008, March). The development of emotion expression discrimination in infants: Evidence from infant scan patterns. Presented at the International Conference on Infant Studies, Vancouver, Canada.
55. *Davidow, J., & **Amso, D.** (2008, March). Learning two parameters acting on one item: Evidence from response to novelty in an eye tracking paradigm. Presented at the International Conference on Infant Studies, Vancouver, Canada.
56. **Amso, D.**, Soliman, F., Davidow, J., Hare, T., Getz, S., Millner, A., Bath, K., & Casey, B.J. (May, 2007). Impact of brain derived neurotrophic factor val66met polymorphism on hippocampal and striatal learning: evidence from fMRI. Presented at the Cognitive Neuroscience Society, NY, NY.
57. **Amso, D.**, Davidson, M. C., Galvan, A., Glover, G., & Casey, B. J. (2005, April). The role of the hippocampus and striatum in frequency and association-based learning: A developmental fMRI study. Presented at the Cognitive Neuroscience Society, New York, NY.
58. **Amso, D.** & Johnson, S. P. (2005, April). Insights into inhibitory development: Evidence from spatial negative priming in infants. Presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA.

59. **Amso, D.**, Slemmer, J.A., & Johnson, S.P. (2004, May). Visual selection and object perception: How do infants know where to look? Presented at the International Conference on Infant Studies, Chicago, IL.
60. **Amso, D.**, Davidson, M. C., Johnson, S. P., Glover, G., & Casey, B. J. (2004, April). The contributions of striatal and hippocampal activity to learning of novel events and novel associations. Presented at the Cognitive Neuroscience Society, San Francisco, CA.
61. Johnson, S. P., **Amso, D.**, & Slemmer, J. A. (2004, April). Where infants look determines how they see: Eye movements and development of object perception. Presented at the Vision Sciences Society, Sarasota, FL.
62. **Amso, D.**, & Johnson, S. P. (2003, May). Using eye movements as a measure of selective attention: Evidence from a spatial negative priming paradigm. Presented at the Vision Sciences Society, Sarasota, FL.
63. Johnson, S. P., **Amso, D.**, & Slemmer, J. A. (2003, May). Development of object concepts in infancy. Presented at the Vision Sciences Society conference, Sarasota, FL.
64. **Amso, D.**, & Johnson, S. P. (2003, April). Negative priming in infancy: Implications for the development of visual attention. Presented at the biennial meeting of the Society for Research in Child Development, Tampa, FL.
65. **Amso, D.**, Slemmer, J. A., & Johnson, S. P. (2002, May). Visual attention mechanisms are sensitive to manner of occlusion. Presented at the Vision Sciences Society, Sarasota, FL.
66. Diamond, A., Davidson, M. C., Cruess, L., Badali, S., **Amso, D.**, & Oross, S. (1999, October). *Long-lasting selective visual deficits from short-term exposure to high neonatal phenylalanine levels in humans*. Presented at the Society for Neuroscience, Miami Beach, FL.