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| CURRICULUM VITAE | |
| **PERSONAL DETAILS** | |
| Name: | Andrea Berger |
| Date/Place of Birth:  Date of Immigration: | January 15, 1963; Buenos Aires, Argentina  May 15, 1977 | |
| Military Service: | 1981-1987 | |
| Work Address: | Department of Psychology  Ben-Gurion University of the Negev (BGU)  Beer Sheva, Israel 8410501 | |
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| **EDUCATION** | | | | | | |
| 1983-1987 | | | BA | Bar-Ilan University - Psychology and Computer Sciences | | |
| 1988-1992  Summer  1992 | | | MA | Ben-Gurion University of the Negev - Psychology  Advisor: Avishai Henik  Thesis: Competition between endogenous and exogenous orienting of visual attention  McDonnell Foundation Summer Institute in Cognitive Neuroscience; A two week institute of advanced study at Dartmouth Medical School, Hanover, New Hampshire | | |
| 1992-1998 | | | PhD | Ben-Gurion University of the Negev - Psychology  Advisor: Avishai Henik  Thesis: The influence of attention on the inhibition of return (IOR)  Phenomenon | | |
| 1999-2000 | | | Postdoc | Ben-Gurion University of the Negev - Department of Behavioral Sciences, | | |
|  | | | | | | |
| 1998-1999 | | | Postdoc | University of Oregon, Eugene, OR - Department of Psychology | | |
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| EMPLOYMENT HISTORY 2016 Tenured Full Professor, Department of Psychology, BGU  2010-2016 Tenured Associate Professor, Department of Psychology, BGU  2007-2010 Awarded tenure, Senior Lecturer, Department of Psychology, BGU  2006-2007 Senior Lecturer, Department of Psychology, BGU  2000-2006 Lecturer, Department of Behavioral Sciences, BGU  1997-1998 Senior Instructor, Department of Education, BGU  1993-1997 Teaching Assistant B, Department of Behavioral Sciences, BGU  1992-1993 External Teacher, Department of Behavioral Sciences, BGU  1988-1992 Teaching Assistant, Department of Behavioral Sciences, BGU  1987-1988 Teacher / Computer Program, Ort Arad High School | | | | | | |
| 1981-1987 | | | System Programmer, System Management Department, MMRM - Computer  Center, Israel Defense Forces | | | |
| **PROFESSIONAL ACTIVITIES** | | | | | |
| 1. Positions in Academic Administration  |  |  | | --- | --- | | 2020-2024 | Chair of the Department of Psychology | | 2020-2023 | Senate member | | 2013-2015 | Head of BGU’s Daycare Steering Committee | | 2012-2014 | Head of the PhD Committee of the Faculty of Humanities and Social Sciences, BGU | | 2012-2014 | Head of the Cognition and Brain Track, Department of Psychology, BGU | | 2011-2013 | Head of the Teaching Committee for the Biology-Psychology BA Program, BGU | | | | | | |
| 2010-2012 | PhD Committee of the Faculty of Humanities and Social Sciences, BGU | | | | |
| 2008-2010 | Head of BA Teaching Committee, Department of Psychology, BGU | | | | |
| 2006-2009 | Head of the Developmental Psychology Track, Department of Psychology, BGU | | | | |
| 2003-2007 | Head of the Developmental Psychology Program, Department of Behavioral  Sciences, BGU | | | | |
| 2003-2004 | Steering Committee member, Zlotowski Center for Neuroscience, BGU | | | | |
| 2000-2004 | Chair of Ethics and Human Subjects Committee, Department of Behavioral  Sciences, BGU | | | | |
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| 1. Professional Functions Outside the University | | | | | |
| 2005-2006 | Consultant, Kindergarten-to-Third-Grade Committee; the educational initiative of the Israel Academy of Sciences, Yad Ha'nadiv and Ministry of Education | | | | |
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| 1. Editor or Member of Editorial Board of Scientific or Professional Journal   *Editorial Board Membership*  2016 Frontiers in Developmental Psychology  2022 Developmental Science | | | | | |
| *Reviewer*  *Journals*  Acta Psychologica  Behavior Research Methods, Instruments, and Computers  Behavioral Brain Sciences  Behavior Research Methods, Instruments, and Computers  Biological Psychiatry  Biological Psychology  Brain and Cognition  Brain Research  Brain Topography  British Journal of Developmental Psychology  Canadian Journal of Experimental Psychology  Child Development  Child Neuropsychology  Cognition and Emotion  Cognitive Brain Research  Developmental Neuropsychology  Developmental Psychology  Developmental Science  European Journal of Developmental Psychology  Experimental Brain Sciences  Frontiers in Developmental Psychology  Infant and Child Development  International Journal of Behavioral Development  International Journal of Epidemiology  Journal of Abnormal Child Psychology  Journal of Abnormal Psychology  Journal of Child Psychology and Psychiatry  Journal of Cognitive Neuroscience  Journal of Experimental Child Psychology  Journal of Experimental Psychology: Human Perception and Performance  Journal of Neural Transmission  Journal of Neuropsychology  Journal of the International Neuropsychological Society  Learning and Individual Differences  Memory & Cognition  Neuropsychologia  Neuropsychology  PLoS Biology  Proceedings of the National Academy of Science  Psychological Bulletin & Reviews  Psychophysiology  Trends in Neuroscience and Education  Visual Cognition | | | | | |
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| *Grants*  Bikura  Israel Science Foundation (ISF)  [National Institute for Psychobiology in Israel](http://www.psychobiology.org.il)  Binational Science Foundation (BSF)  Germany Israel Foundation (GIF)  European Research Council (ERC)  Health and Medical Research Fund, Hong Kong | | | | | |
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| *Grant Committees*  Israel Science Foundation (ISF) | | | | | |
| Binational Science Foundation (BSF)  National Institute for Psychobiology in Israel | | | | | |
| 1. Membership in Professional or Scientific Societies | | | | | |
| American Psychological Association (APA)  European Society for Cognitive Psychology (ESCOP)  Society for Research on Child Development (SRCD)  European Network for Hyperkinetic Disorders (EUNETHYDIS)  Israeli Society for Cognitive Psychology (ISCOP)  Neuropsychological Society Israel (INS) | | | | | |
| **EDUCATIONAL ACTIVITIES** | | | | | | | |
| 1. Courses Taught | | | | | | | |
| **Undergraduate level**  SPSSX; Introduction to Statistics and Inferential Statistics; Developmental Psychology; Language Development in Preschool Years; The Development of Self-Regulation  **Graduate level**  Research Design and Analysis; Experimental Methodology; Developmental Aspects of the Attention System (seminar); Cognitive Neuropsychology; Neuro-Cognitive Development (seminar); Electrophysiology (lab seminar); Developmental Psychopathology; Brain & Cognition; Neuropsychology | | | | | | | |
|  | |  | | |  | | |
| 1. Research Students at BGU  |  |  |  |  | | --- | --- | --- | --- | | **Year** | **MA** | **PhD** | **Post-doc** | | 2003 | Taly Gdrich  Adi Shmueli  Daniela Arnon (w/Ora Kofman)  Noami Loaz (w/Rivka Landau)  Lilac Abramsky-Arazi (w/ Alicia Osimani)  Nily Gazler  Gal Gefen (w/Alicia Osimani)  Mica Melamed (w/ Alicia Osimani) |  |  | | 2004 | Oshrit Binhas  Ali Massar  Wa Shaeb (w/ Ora Kofman)  Gabriel Tzur |  |  | | 2005 | Keren Neuman |  |  | | 2006 | Viktorya Kravtsev  Orit Yaron (w/Esther Goldsmith)  Danit Naim  Claudio Rikower |  |  | | 2007 | Claudio Rikower  Limor Carmi  Anat Amit-Fishbein  Yael Aharoni-Meir |  |  | | 2008 | Adi Shtraus  Adi Oren  Hadas Hadaya Meroz |  | Yarden Kedar | | 2009 | Michal Mizrahi  Yael Kutchinsky  Yael Wainberger  Tali Farbiash | Gabriel Tzur |  | | 2010 | Liri Knopf  Tamar Green-Bleier  Michal Lin |  |  | | 2012 | Shay Riven  Orit Rubin  Yael Brom (w/Tal Eyal)  Tamir Vered |  |  | | 2013 | Tal Mendelson (w/ Tal Eyal)  Adi Dayan |  |  | | 2014 |  | Tali Farbiash | Michal Pinhas (w/ J. Tzelgov) | | 2015 | Efrat Ben Tzur  David Mesika  Sarit Chaet  Einav Shimoni (w/Tal Eyal) |  |  | | 2016 | Dalit Shotts |  |  | | 2017 | Linoy Levi  Itamar Kohavi  Tzlil Einziger  Yael Holtzman  Mattan Ben-Shachar |  |  | | 2018 | Shalva Taase | Tamar Dekalo (w/ Avishai Henik) |  | | 2019 | Michael Shmueli  Rotem Shlain | Dimitri Lavro  Adi Dayan (w/ Gideon Anholt) |  | | 2020 | Lior Shalev  Gal Abergil | Anat Feldman |  | | 2021 |  | Einav Shimoni (w/Tal Eyal) |  | | 2022 |  | Lena Kabha  Tzlil Einziger |  | | 2023 | Julieta Carmel  Tali Devor  Nofar Weisman | Mattan Ben-Shachar |  | | Present | Hen David  Madian Sarsour  Baraah Zuabi  Adan Masri  Saba Hanani | Maor Yeshua  Tali Devor (with Tzlil Einziger)  Michal Levi (with Noa Geron-Sela) |  | | | | | | | | |
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| **AWARDS AND RESEARCH FELLOWSHIPS** | | | | | | |
| 2008 Toronto Prize for Excellence in Research | | | | | | |
| 2000-2003 Alon Award – Israeli Council of Higher Education | | | | | | |
| 1998-1999 Rothschild Foundation Postdoctoral Fellowship | | | | | | |
| 1996 Israel Foundation Trustees – Doctoral Dissertation Writing Stipend | | | | | | |
| 1996 Zlotowski Center for Neuroscience – Excellence Fellowship | | | | | | |
| 1994 | | | Ministry of Science - Ben-Gurion PhD stipend | | | |
| 1992 | | | MA – Summa Cum Laude – BGU | | | |
| 1987 | | | BA – Magna Cum Laude – Bar Ilan University | | | |

**SCIENTIFIC PUBLICATIONS**

H-index: fromGoogle Scholarh-index = 27, i10-index = 47

Total number of citations of all articles: from Google Scholar 4119

*(PI = Principal Investigator, C = co-researcher, PD = post-doctoral fellow, S = student)levi*

1. Authored Books

1. **BergerPI, A.** (2011). *Self-regulation: Brain, cognition, and development*. Washington, DC: American Psychological Association.

Reviews:

1. *Reference and Research Book News,* (2011), *26*(4), 3.
2. *PsycCRITIQUES*, (2011),*56*(48), no pagination specified.
3. *Metapsychology Online Review*, (2012): <http://metapsychology.mentalhelp.net/poc/view_doc.php?type=book&id=6343>
4. *Journal of the International Neuropsychological Society,* (2013),*19*, 226-228.

Awards: Selected as one of the “Best Books of 2011” by the Center for Optimal Adult

Development (COAD)

Citations: 195.

1. Chapters in Books

1. **BergerPD, A**., & PosnerPI, M. I. (2001). Ontogeny of brain and behavior: A neuropsychological perspective. In A. F. Kalverboer & A. Gramsbergen (Eds*.), Brain and behavior in human development* (pp. 11-31)*.* Dorfrecht, The Netherlands: Kluwer Academic Publishers.

# 2. BergerPD, A., & PosnerPI, M. I. (2001). Attention and human performance: A cognitive neuroscience approach. In W. Karwowski (Ed.), *International encyclopedia of ergonomics and human factors* (pp. 374-377). London, UK/New York, NY: Taylor & Francis.

# 3. BergerPD, A., & PosnerPI, M. I. (2004). Attention and human performance: A cognitive neuroscience approach. In W. Karwowski (Ed.), *International encyclopedia of ergonomics and human factors, 2nd Edition* (pp. 374-377). London, UK/New York, NY: Taylor & Francis.

4. **BergerPI, A**., KofmanPI, O., & HenikPI, A. (2008). The development of self-regulation: Nature and nurture. In P. S. Klein, & Y. B. Yablon (Eds.), *From research to practice in early childhood education* (pp. 39-66). Jerusalem, Israel: The Israel Academy of Sciences and Humanities (Hebrew).

5. Ben-ShalomS, T., **BergerPI, A**., & HenikPI A. (2012). The beginning of the road: Learning mathematics for the first time. In D. Molfese, Z., V. Berninger, & O. Rubinsten (Eds.) *Reading, writing, mathematics, and the developing brain: Listening to many voices* (pp. 195-208). College Station, TX: Springer Publishing.

6. **BergerPI, A.,** BuchmanS, C., & Green-BleierS, T. (2012). Development of error detection. In M. I. Posner (Ed.), *Cognitive Neuroscience of Attention 2nd Edition* (pp. 312-321). New York, NY: The Guilford Press.

7. FarbiashS, T., **BergerPI, A**., Atzaba-PoriaPI, N., & AuerbachPI, J. (2013). Risk factors for preschool aggression: Genetic dopaminergic risk, parental ADHD symptoms, and home chaos. In P.S. Klein & D. Givon (Eds.), *Attention and concentration skills In early childhood: An interdisciplinary perspective*. Ramat Gan, Israel: Bar Ilan University Press (Hebrew).

8. Zilberman-HayunS, Y., AuerbachPI, J., **BergerPI, A**., & Atzaba-PoriaPI N. (2013). Early precursors to Attention Deficit and Hyperactivity Disorder. In P.S. Klein and D. Givon (Eds.), *Attention and concentration skills in early childhood: An interdisciplinary perspective*. Ramat Gan, Israel: Bar Ilan University Press (Hebrew).

9. FarbiashPD, T., & **BergerPI, A.** (2016) Children’s inhibitory control when facing negative emotions. In S.-I. Kim, J. M. Reeve, & M. Bong (Eds.), *Recent developments in neuroscience research on human motivation (Advances in motivation and achievement, Volume 19,* pp.321–347*).* Bingly: Emerald Group Publishing Limited.

10. Ben ShacharS, M. S., & **BergerPI, A**., (2018). An introduction to attention and its implications for numerical cognition. In A. Henik (Ed.), *Heterogeneity of function in numerical cognition* (pp. 93-110). Elsevier; Academic Press. ISBN 9780128115299

1. Refereed Articles in Scientific Journals

1. **BergerS, A.,** & HenikPI, A.(1993). Inhibition of return in visual spatial attention. *Psychologia*, *Israel Journal of Psychology*, *3*, 107-117.

2. OsimaniPI, A., AlonS, A., **BergerS, A**., & AbarbanelPI, J. M. (1997). Use of the Stroop phenomenon as a diagnostic tool for malingering. *Journal of Neurology, Neurosurgery and Psychiatry*, *62*(6), 617-621.

3. **BergerC, A.,** DoriS, H., & HenikPI, A. (1999). Peripheral non-informative cues do induce early facilitation of target detection*. European Journal of Cognitive Psychology, 11*(1), 119-137*.*

4. SapirS, A., SorokerC, N., **BergerC, A**., & HenikPI, A. (1999). Inhibition of return in spatial attention: Direct evidence for collicular generation. *Nature Neuroscience*, *2*(12), 1053-1054.

5. **BergerPD, A**., & HenikPI, A. (2000). The endogenous modulation of IOR is nasal-temporal asymmetric. *Journal of Cognitive Neuroscience*, *12*(3), 421-428.

6. **BergerPD, A.,** JonesS, L., RothbartPI, M. K., & PosnerPI, M. I. (2000). Computerized games to study the development of attention in childhood. *Behavior Research Methods, Instruments, & Computers, 32*(2), 297-303.

7. **BergerPD, A.,** & PosnerPI, M. I. (2000). Pathologies of brain attentional networks. *Neuroscience & Biobehavioral Reviews, 24*(1), 3-5*.*

8. RubinstenS, O., HenikPI A., **BergerC, A**., & Shahar-ShalevS, S. (2002). The development of internal representations of magnitude and their associations with Arabic numerals. *Journal of Experimental Child Psychology,* *81*(1), 74-92.

9. AuerbachPI, J. G., Aztaba-PoriaPI, N. **BergerPI, A**., & LandauPI, R. (2004). Emerging developmental pathways to ADHD: Possible path markers in early infancy. *Neural Plasticity, 11*(1-2), 29-43.

10. KorenS, R., KofmanPI O., & **BergerC**, **A**. (2005). Analysis of word clustering in verbal fluency of school-aged children. *Archives of Clinical Neuropsychology*, *20*(8), 1087-1104.

11. AuerbachPI, J. G., LandauPI, R., ArbellePI, S., **BergerPI, A**., & KarplusPI, M. (2005). Neonatal behavior of infants at familial risk for ADHD. *Infant Behavior and Development, 28*(2), 220-224.

12. **BergerPD, A.**, HenikPI, A., & RafalPI, R. (2005). Competition between endogenous and exogenous orienting of visual attention*. Journal of Experimental Psychology: General*, *134*(2), 207-221.

13. **BergerPI, A**., SadehC, M., TzurS, G., ShuperC, A., KornreichC, L., InbarC, D., CohenC, I. J., MichowizC, Sh., YanivC, I., ConstantiniC, S., & VakilC, E. (2005). Motor and non-motor sequence learning in children and adolescents with cerebellar damage*.**Journal of the International Neuropsychology Society, 11*(4), 482-487***.***

14. **BergerPI, A.**, SadehC, M., TzurS, G., ShuperC, A., KornreichC, L., InbarC, D., CohenC, I. J., MichowizC, S., YanivC, I., ConstantiniC, S., KesslerS, Y., & MeiranC, N. (2005). Task switching after cerebellar damage. *Neuropsychology, 19*(3), 362-370.

15. OsimaniC, A., **BergerC, A**., FriedmanC, J., Porat-KatzC, B., & AbarbanelC, Y. (2005). Neuropsychology of vitamin B12 deficiency in elderly dementia patients and control subjects. *Journal of Geriatric Psychiatry and Neurology*, *18*(1), 33-38.

16. **BergerPI, A.,** TzurS, G., & PosnerPI, M. I. (2006). Infant brains detect arithmetic errors. *Proceedings of the National Academy of Sciences of the United States of America (PNAS),* *103*(33), 12649-12653.

17. **BergerPI, A**. (2006). Individual performance based on cognitive experimental measurement? The case of inhibition of return. *Experimental Psychology*, *53*(3), 209–217.

18. BrowneS, O. R., Benmoyal-SegalS, L., BrykS, B., ZumstegS, D., DavidS, Y., KofmanC, O., **BergerPI, A.**, SoreqC, H., & FriedmanC, A. (2006). Coding region paraoxonase polymorphisms dictate accentuated neuronal reactions in chronic, sub-threshold pesticide exposure. *The FASEB Journal*, *20*(10), 1733-1735.

19. KofmanC, O., **BergerPI, A**., Massarwa, A., FriedmanC, A., & Abu JaffarC, A. (2006). Motor inhibition and learning impairments in school-aged children following exposure to organophosphate pesticides in infancy. *Pediatric Research*, *60*(1), 88-92.

20. **BergerPI**, **A**., KofmanPI, O., LivnehS, U., & HenikPI A. (2007). Multidisciplinary perspectives on attention and the development of self-regulation. *Progress in Neurobiology, 82*(5), 256–286.

21. Cohen KadoshS, R., Cohen KadoshS, K., LindenPI, D. E. J., GeversC, W., **BergerC, A**., & HenikPI, A. (2007). The brain locus of interaction between number and size: A combined functional magnetic resonance imaging and event-related potential study. *Journal of Cognitive Neuroscience, 19*(6), 957-970.

22. TzurS, G., & **BergerPI, A**. (2007). When things look wrong: Theta activity in rule violation. *Neuropsychologia*,*45*(13), 3122-3126.

23. AuerbachPI, J. G ., **BergerPI**, **A**., Atzaba-PoriaPI, N., ArbellePI, S., CypinS, N., FriedmanS, A., & LandauPI, R. (2008). Temperament at 7, 12, and 25 months in children at familial risk for ADHD. *Infant and Child Development, 17*(4), 321-338.

# 24. LandauPI, R., Amiel-LaviadS, R., BergerPI, A., Atzava-PoriaPI, N., & AuerbachPI, J. G. (2009). Parenting of 7-month-old infants at familial risk for ADHD during infant’s free play, with restrictions on interaction. *Infant Behavior and Development*, *32*(2), 173-182.

25. TzurS, G., & **BergerPI, A**. (2009). Fast and slow brain rhythms in rule/expectation violation tasks: Focusing on evaluation processes by excluding motor action. *Behavioural Brain Research*, *198*(2), 420-428.

26. AuerbachPI, J. G., Atzaba-PoriaPI, N., **BergerPI, A**., LandauPI, R., ArbellePI, S., RazS, Y., & EbsteinC, R. (2010). Dopamine risk and paternal ADHD symptomatology associated with ADHD symptoms in four and half-year-old boys. *Psychiatric Genetics 20*(4), 160-165.

27. LandauPI, R., AvitalS, M., **BergerPI, A**., Atzaba-PoriaPI, N. ArbellePI, S., FaroyS, M., & AuerbachPI, J. G. (2010). Parenting of 7-month-old infants at familial risk for attention deficit/hyperactivity disorder*. Infant Mental Health Journal 31*(2), 141-158.

28. LandauPI, R., SadehC, A., VassolyS, P., **BergerPI, A**., Atzaba- PoriaPI, N., & AuerbachPI, J. G. (2010). Sleep patterns of 7-week-old infants at familial risk for attention deficit hyperactivity disorder*. Infant Mental Health Journal 31*(6), 630-646.

29. TzurS, G., **BergerPI**, **A**., LuriaS, R., & PosnerPI, M. I. (2010). Theta synchrony supports Weber-Fechner and Stevens’ Law for error processing, uniting high and low mental processes. *Psychophysiology*, *47*(4), 758-766.

30. **BergerPI, A**. (2011). Electrophysiological evidence for numerosity processing in infancy. *Developmental Neuropsychology, 36*(6), 668-681.

31. ParnesS, M., **BergerPI, A.,** & TzelgovPI, J. (2012). Brain representations of negative numbers. *Canadian Journal of Experimental Psychology, 66)*4(, 251-258.

32. Ben-ShalomS, T., **BergerPI, A**., & HenikPI, A., (2013). My brain knows numbers! An ERP study of preschoolers’ numerical knowledge. *Frontiers in Developmental Psychology, 4,* 716.

33. **BergerPI, A**., AlyagonS, U.,HadayaS, H., Atzaba-PoriaPI, N., & AuberachPI, J. (2013). Response inhibition in preschoolers at familial risk for Attention Deficit Hyperactivity Disorder: A behavioral and electrophysiological stop-signal study. *Child Development*, *84*(5),1616-1632.

34. FarbiashS, T., **BergerPI, A.**, Atzaba-PoriaPI, N., & AuerbachPI, J. (2013). Prediction of preschool aggression from DRD4 risk, parental ADHD symptoms, and home chaos. *Journal of Abnormal Child Psychology*,*42*(3), 489-499.

35. GoldmanS, R., TzelgovPI, J., Ben-ShalomS, T., & **BergerPI, A**. (2013). Two separate processes affect the development of the mental number line. *Frontiers in Psychology, 4,* 317.

36. RubinstenPI, O., SuryS, D., LavroS, D., & **BergerPI, A**. (2013). Processing ordinality and quantity: ERP evidence of separate mechanisms. *Brain and Cognition, 82*(1), 201-212*.*

37. BravermanS, A., **BergerC, A**., & MeiranPI N. (2014). The hierarchy of task decision and response selection: A task-switching event-related potentials study. *Brain and Cognition, 88*, 35-42.

38. DayanS, A., **BergerPI, A**., & AnholtPI G. E. (2014). Enhanced action tendencies in high versus low obsessive-compulsive symptoms: An event-related potential study. *Psychiatry Research: Neuroimaging, 224*(2), 133-138.

39. Hochman CohenS, H., **BergerPI, A**., RubinstenPI, O., & HenikPI, A. (2014). Does the learning of two symbolic sets of numbers affect the automaticity of number processing in children? *Journal of Experimental Child Psychology,121,* 96-110*.*

40. MesikaS, D., TzurS, G., & **BergerPI, A**. (2014). Electrophysiological evidence for automatic processing of erroneous stimuli. *Neuropsychologia*, *59*, 85-92.

41. FarbiashS, T., & **BergerPI, A.** (2015). Brain and behavioral inhibitory control of kindergartners facing negative emotions. *Developmental Science*, *19*(5), 741–756.

42. LavroS, D., & **BergerPI, A.** (2015). The cost of errors: Perceived error detection in dual-task conditions. *Acta Psychologica*, *158*, 1-7.

43. PinhasPD , M., BuchmanS,C., LavroS, D., MesikaS, D., TzelgovPI, J., & **BergerPI, A.** (2015). The neural signatures of processing semantic end values in automatic number comparisons. *Frontiers in Human Neuroscience, 9,* 645*.*

44. SadehPI, A., DeMarcasS, G., GuriS, Y., **BergerC, A**., TikotzkyC, L., & Bar-HaimC, Y. (2015). Infant sleep predicts attention regulation and behavior problems at 3-4 years of age. *Developmental Neuropsychology, 40*(3), 122-137.

45. SavilleS, C., FeigeC, B., KluckertC, C., BenderC, S., BiscaldiC, M., **BergerC, A**., FleishhakerC, C., HeinghausenC, K., & KleinPI, C. (2015). Increased reaction time variability in attention-deficit hyperactivity disorder as a response-related phenomenon: Evidence from single-trial event-related potentials. *Journal of Child Psychology and Psychiatry,56*(7), 801-813.

46. ShimoniS, E., AsbeS, M., EyalPI, T., & **BergerPI, A.** (2016). Too proud to regulate: The differential effect of pride versus joy on children’s ability to delay gratification. *Journal of Experimental Child Psychology*,*141*, 275-282.

47. AuerbachPI, J. G., Zilberman-HayunPD, Y., Atzaba-PoriaPI, N., & **Berger**PI**, A**. (2017). The contribution of maternal ADHD symptomatology, maternal DAT1, and home atmosphere to child ADHD symptomatology at 7 years of age. *Journal of Abnormal Child Psychology, 45*(3), 415–427.

48. DayanS, A., **BergerPI, A**., & AnholtPI G. E. (2017). Enhanced action tendencies in obsessive-compulsive disorder: An ERP study. *Behaviour Research and Therapy, 93,* 13-21.

49. EinzigerS, T., LeviS, L., Zilberman-HayunP, Y., AuerbachPI, J. G., Atzaba-PoriaPI, N., ArbellePI, S., & **Berger**PI**, A.** (2018). Predicting ADHD symptoms in adolescence from early childhood temperament traits. *Journal of Abnormal Child Psychology*, *46*(2), 265-276.

50. LavroS, D., Ben ShacharS, S. M., SavillePI, C. W., KleinPI, C., & **BergerPI, A**. (2018). Testing the bottleneck account for post-error slowing beyond the post-error response. *Biological Psychology, 138,* 81-90.

51. LavroS, D., LevinS, D., KleinPI, C., & **Berger**PI**, A.** (2018). Response time distribution parameters show posterior behavioral adjustment in mental arithmetic. *Acta Psychologica, 186,* 8-17.

52. SalunkheS, G.S WeissbrodtS, K., FeigePI, B., SavillePI, C., BergerPI, A., DundonPI, N.M., BenderPI, S., SmyrnisPI, N., BeauducelPI, A.s, BiscaldiPI, M.CI, KleinPI, C. PI (in press). Examining the putative aetiological overlap between Attention-Deficit Hyperactivity Disorder (ADHD) and Autism Spectrum Disorders (ASD) using candidate endophenotypes of ADHD. *Journal of Attention Disorders*.

52. AuerbachPI, J., Zilberman-HayunPI, Y., **BergerPI, A**., & Atzaba-PoriaPI, N. (2019). Longitudinal pathways to reading achievement at age 7 Years: Child and environmental influences. *Reading Psychology, 40*(3), 269-292.

53. **BergerPI, A.,** ShmueliS, M., LissonS, S., Ben-ShacharS, M. S., LindingerS, N. M., LewisS, C. E., DodgeS, N. C., MoltenoCI, C. D., MeintjesCI, E. M., JacobsonPI, J. L., & JacobsonPI, S. W.(2019). Deficits in arithmetic error detection in infants with prenatal alcohol exposure: an ERP study. *Developmental Cognitive Neuroscience, 40,* 100722. [https://doi.org/10.1016/j.dcn.2019.100722](https://doi-org.ezproxy.bgu.ac.il/10.1016/j.dcn.2019.100722)

54. DayanS, A., **BergerPI, A**., & AnholtPI G. E. (2019). Early cognitive processes in OCD: An ERP study. *Journal of Affective Disorders*, *246*, 429-436.**‏** [doi:10.1016/j.jad.2018.12.109](https://doi.org/10.1016/j.jad.2018.12.109)

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56. FeldmanS, A., Oscar-StromS, Y.,TzelgovPI, J., & **BergerPI, A.** (2019). Spatial–numerical association of response code effect as a window to mental representation of magnitude in long-term memory among Hebrew-speaking children. *Journal of Experimental Child Psychology, 181,* 102-109.

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72. EinzigerS, T., & **Berger, A.** (2022).Individual Differences in Sensitivity to Positive Home Environment Among Children “at Risk” for ADHD: A Review. *Frontiers in Psychiatry*, *13*: 927411.

doi: 10.3389/fpsyt.2022.927411

73. Yeshua, M., Zohar, A.H., & **Berger, A.** (2023). Mediating roles of character traits and parenting in the relationship between maternal effortful control and children’s conduct problems. *PeerJ* 11:e15211 <https://doi.org/10.7717/peerj.15211>

74. Kabha, L., & **Berger. A**. (in press). When Kindergarteners Are Tempted to Deceive: A Study of Factors Predicting Lie-Telling for Personal Gain. *Journal of Experimental Child Psychology*.

75. Einziger, T., Devor, T., Ben-Shachar, M.S., Arazi,A., Dinstein, I., Klein, C., Auerbac, J.D., & **Berger, A**. (in press). Increased neural variability in adolescents with ADHD symptomatology: Evidence from a single-trial EEG study. *Cortex*

76. Putnam, S., et al. (in press). The Global Temperament Project: Parent-Reported Temperament in Infants, Toddlers and Children from 59 Nations. *Developmental Psychology*. 491 coauthoring members of the Global Temperament Project.

77. Ben-Shachar, M.S., & **Berger, A.** (in press). Visual-Spatial Abilities Are NOT Related to the Speed of Mental Rotation. *Journal of Experimental Psychology: Human Perception and Performance.*

78. Kabha, L., Einziger, T., Gueron-Sela, N., & **Berger. A**. (in press). Israel-Arab Muslim Children’s Socioemotional Functioning at Kindergarten and during the COVID-19 Pandemic: Relations with Cognitive and Socioemotional Abilities, Gender and Socioeconomic Status. *Developmental Psychology*.

79. Yeshua, M. & **Berger, A**. (2024). The Development of Cognitive Control in Preschoolers and Kindergarteners: The Case of Post-Error Slowing and Delayed Disinhibition. In M. R. Rueda & R. M. Raymond (Eds.), On the Origins and Development of Attention Networks (Special Issue). *Journal of Intelligence, 12*(4), 41. https://doi.org/10.3390/jintelligence12040041. IF = 3.5, Q2 in Multidisciplinary Psychology.

1. Unrefereed Articles

Ben-ShacharS, M. S., LissonS, S., Shotts-PeretzS, D., Hannula-SormunenC, M., & **BergerPI, A.** (2020). Spontaneous focusing on numerosity is linked to numerosity discrimination in children and adults. <https://doi.org/10.31234/osf.io/mt3n9>

**LECTURES AND PRESENTATIONS AT CONFERENCES**

**Berger, A**., Henik, A., & Rafal, R. (1991). Exogenous and endogenous orienting of visual attention. Poster presented at the conference on Recent Advances in the Analysis of Attention, UC-Davis,CA, June.

**Berger, A**., Henik, A., & Rafal, R. (1991). Competition between endogenous and exogenous orienting of visual attention. Paper presented at the annual meeting of the Israeli Psychological Association, Jerusalem, Israel, October.

**Berger, A.,** Henik, A., & Rafal, R. (1992). Relation between endogenous and exogenous orienting of visual attention. Poster presented at the McDonnell Foundation Summer Institute in Cognitive Neuroscience. A two week institute of advanced study at Dartmouth Medical School, Hanover, NH, September.

**Berger, A.,** Henik, A., Rafal, R., & Egly, R. (1994). Endogenous and exogenous orienting of attention: Evidence for two separate mechanisms. Poster presented at the 1994 ENP Autumn School, San Feliu de Guixols, Costa Brava, Spain, October.

**Berger, A**., & Ron, H. (1995). Peripheral non-informative cues do induce early facilitation of target detection. Poster presented at the annual meeting of the Israeli Society of Cognitive Psychology, Beer Sheva, Israel, October.

Osimani, A., Abarbanel, J. M., Vakil, E., & **Berger, A.** (1995). Comparison of two forms of amnesia. Paper presented at the annual meeting of the Israeli Neurology Society, Zichron Yaakov, Israel, November.

Osimani, A., Vakil, E., & **Berger, A.** (1996). Basal forebrain amnesia: A consolidation-retrieval deficit? Poster presented at the Workshop on Memory Organization and Consolidation: Cognitive and Computational Perspectives, Tel Aviv, Israel, May.

Osimani, A., Alon, A., **Berger, A.,** & Abarbanel, J. M.(1996). The use of Stroop effect in detecting malingery. Paper presented at the annual meeting of the Israeli Neurological Society, Zichron Yaakov, Israel, June.

Osimani, A., **Berger, A.,** & Abarbanel, J. M. (1996). Whiplash injury: A preliminary study of 150 cases. Behavioral neurology findings. Paper presented at the annual meeting of the Israeli Neurological Society, Zichron Yaakov, Israel, November.

**Berger, A.** & Henik, A. (1996). Inhibition of return for feature and conjunction discrimination. Paper presented at the 37th annual meeting of the Psychonomic Society, Chicago, IL, November.

Osimani, A., **Berger, A**., Blinder, G., & Abarbanel, J. M. (1997). Amnesia in a case of an inferior thalamic peduncle lesion. Paper presented at the annual meeting of the Israeli Neurological Society, Tel Aviv, Israel, June.

**Berger, A.,** & Henik, A. (1999). Voluntary modulation of inhibition of return. Cognitive Neuroscience Society Meeting, Washington, D.C., April.

**Berger, A.,** Jones, L., Rothbart, M.K., & Posner, M. I. (1999). Designing computerized games to study the development of attention in childhood. Paper presented at The Society for Computers in Psychology Meeting, Los Angeles, CA, November.

Sadeh, M., **Berger, A**., Zur, G., Shuper, L. Korenrich, L., & Inbar, D. (2001). The cerebellum’s role in executive functions. Presented at the 23rd annual meeting of the International Neuropsychological Society (INS), Brasilia, Brazil, July.

Koren, R., Kofman, O., & **Berger, A**. (2001). Developmental aspects of clustering in verbal fluency in Hebrew. Presented at the 10th annual meeting of the Israel Society for Neurosciences, Eilat, Israel, December.

Sadeh, M., **Berger, A.,** Tzur, G., Shuper, A., Korenrich, Constantini, S., Cohen, I., Yaniv, I., & Inbar, D. (2002). The cerebellum’s role in language processing. Presented at the SIOP meeting, Porto, Portugal, September.

Auerbach, J. G., Landau, R., Arbelle, Sh., **Berger, A**., & Karplus, M. Neonatal behavior of infants at risk for ADHD. (2003). Presented at the Society for Research in Child Development (SRCD) biennial meeting, Tampa, FL, April.

**Berger, A**. (2003). Making sense of chaos: Reliability of measurement in inhibition of return. Presented at the 13th annual conference of the European Society for Cognitive Psychology, [Granada](http://www.granada.org), Spain, September.

Tzur, G., & **Berger, A.** (2003). Is the “Error-Related Negativity (ERN)” specific to error making? Presented at the annual meeting of the Israel Society for Neuroscience, Eilat, Israel, December.

Atzaba-Poria, N., **Berger, A**., Landau, R., & Auerbach, J. (2004). Possible precursors of ADHD in infancy. Presented at the annual meeting of the Israel Society for Biological Psychiatry, Kfar-Giladi, Israel, March.

**Berger, A**., & Alygon, U.(2004). Inhibitory control in kindergarten children. Presented at the 18th biennial meeting of the International Society for the Study of Behavioural Development (ISSBD), Ghent, Belgium, July.

Tzur, G., & **Berger, A**. (2005). When things look wrong: ERP evidence for a continuous monitoring process. Presented at the annual meeting of the Cognitive Neuroscience Society (CNS), New York, NY, April.

**Berger, A**., Neuman-Ashkenazi, K., Sarig Shmuely, A., Atzaba-Poria, N, Arbelle, S., & Auerbach, J. G. (2007). Vigilance in one-year-old infants at familial risk for ADHD. Presented at the biennial meeting of the Society for Research in Child Development (SRCD), Boston, MA, March.

Dekalo, T., **Berger**, **A**., Henik, A., Tzelgov, J., & Rubinsten, O. (2007). The development of number processing in children. Poster presented at the NUMBRA conference, Santorini, Greece, August.

Levy, O., Auerbach, J. G., Atzaba-Poria, N., **Berger, A.**, & Landau, R. (2008). The associations between ADHD Symptoms at age three to private speech strategy and task success. Poster presented at the 19th annual Eunethydis meeting, Mannheim, Germany, October.

Faroy, M., Landau, R., **Berger, A**., Atzaba-Poria, N., & Auerbach, J. G. (2008). Compliance of three-year-old children at familial risk for ADHD: Contexts, qualities, and maternal behavior. Poster presented at the 19th annual Eunethydis meeting, Mannheim, Germany, October.

Auerbach, J. G., Atzaba-Poria, N., **Berger, A.,** Landau, R., & Ebstein, R. (2008). Dopamine risk and paternal ADHD symptomatology associated with ADHD symptoms in 4.5-year-old boys. Poster presented at the 19th annual Eunethydis meeting, Mannheim, Germany, October.

**Berger, A.,** Aztaba-Poria, N., Landau, R., & Auerbach, J. G. (2008). Behavior and brain activity in the stop-signal task in children at risk for ADHD. Poster presented at the 19th annual Eunethydis meeting, Mannheim, Germany, October.

Atzaba-Poria, N., **Berger, A**., Landau, R., & Auerbach, J. G. (2008). Possible early markers for social problems among children at-risk for ADHD. Poster presented at the 19th annual Eunethydis meeting, Mannheim, Germany, October.

Dekalo, T., **Berger**, **A**., Rubinsten, O., Tzelgov, J., & Henik, A. (2009). The development of automaticity in number processing. Poster presented at the XVI ESCOP meeting, Cracow, Poland, September.

Farbiash, T., **Berger, A.,** Atzaba-Poria, N., Landau, R., & Auerbach, J. G. (2009). Exploring inhibitory control in 4.5 year-old children from the BIDS longitudinal study. Poster presented at the 20th annual Eunethydis meeting, Winchester, England, October.

Auerbach, J. G., **Berger, A.,** Atzaba-Poria, N., Gueron, N., Ferber, M., & Landau, R. (2009). The prediction of ADHD inattentive and hyperactive-impulsive symptoms in 4.5 year-old boys from parental ADHD symptoms, maternal parenting style, and DRD4. Poster presented at the 20th annual Eunethydis meeting, Winchester, England, October.

Auerbach, J. G., Farbiash, T., **Berger, A**., Atzaba-Poria N., & Landau-Leidner, R. (2010). Prediction of preschool aggression from child dopamine risk, parental Attention Deficit/Hyperactivity Disorder symptoms, and home chaos. Poster presented at the annual meeting of the American Association of Child and Adolescent Psychiatry, New York, NY, October.

**Berger, A.** (2011). Response inhibition in preschoolers at familial risk for ADHD: A behavioral and electrophysiological stop-signal study. Presented at the ERNI-HSF conference, Granada, Spain, September.

**Berger, A.** (2011). Early developmental pathways to ADHD. Presented at the 22nd annual Eunethydis meeting, Budapest, Hungary, October.

Dayan, A., & **Berger, A.** (2012). Anxiety and the perception of small quantities. Presented at the annual conference of the Cognitive Neuroscience Society, Chicago, IL, March/April.

**Berger, A.** (2012). Early developmental pathways to Attention Deficit/Hyperactivity Disorder. Poster presented at the 13th World Congress of the World Association for Infant Mental Health, Cape Town, South Africa, April.

**Berger, A.** (2012). Effortful control in preschool children and their parents. Presented at Hebrew University, Jerusalem, Israel, July.

**Berger, A.** (2013). Emotional self-regulation of mothers and their preschool children: An electrophysiological and behavioral study. Presented at the annual meeting of the Israeli Neuropsychology Society, Haifa, Israel, March.

**Berger, A.** (2013). Coping with frustration at preschool age: Neural correlates of inhibitory control while experiencing frustration and maternal biological versus environmental influences. Paper presented at the Canada-Israel Symposium on Brain Plasticity, Learning, and Education, London, Ontario, Canada, June.

Pinhas, M., Buchman, C., Lavro, D., Tzelgov, J., & **Berger, A**. (2013). Event-related potential evidence for two processes underlying automatic number comparison. Paper presented at the 22nd annual meeting of the Israeli Society for Neuroscience, Eilat, Israel, December.

Lavro, D., & **Berger, A.** (2014). Dynamic cognitive control: Task context modulates posterror behavior. Poster presented at the 1st conference of the Israeli Society for Cognitive Psychology, Akko, Israel, February.

Chaet Hudis, S., & **Berger, A**. (2014). Error detection development in artificial number learning: Preliminary results. Poster presented at the 1st conference of the Israeli Society for Cognitive Psychology, Akko, Israel, February.

Auerbach, J. G., Zilberman-Hayun, Y., **Berger, A.**, & Goldstein-Lerman, E. (2014). Early childhood temperament of 7-year-old boys with clinical levels of ADHD symptomatology. Poster presented at the annual APA meeting, Washington D.C., August.

Lavro, D., Levin, D., & **Berger, A.** (2015). Posterror adjustments: What do we really measure? Poster presented at the 2nd annual conference of the Israeli Society for Cognitive Psychology. Akko, Israel, February.

Dadon, G., Mesika, D., **Berger, A**., & Henik, A. (2015). The time course of consciousness in the Stroop task. Presented at the 2nd conference on Cognition Research of the Israeli Society for Cognitive Psychology (ISCoP), Akko, Israel, February.

**Berger, A**., Jacobson, S., & Jacobson, J. (2015). Atypical numerosity processing: ERP evidence in infants with prenatal alcohol exposure. Paper presented at the international workshop on The Cognitive and Neural Basis for the Development of Numerical Understanding organized by the Center for the Neurocognitive Basis of Numerical Cognition (CNBNC), Haifa, Israel, April.

Lavro, D., Levin, D., & **Berger, A***.* (2015). How cognitive control modulates error processing. Poster presented at the 19th annual conference of the European Society for Cognitive Psychology (ESCOP), Cyprus, September.

Dayan, A., **Berger. A**., & Anholt, G. (2015). Actions speak louder than words: Enhanced action tendencies in Obsessive-Compulsive Disorder: An ERP study. Poster presented at the 19th annual conference of the European Society for Cognitive Psychology (ESCOP), Cyprus, September.

Dayan, A., **Berger, A.**, & Anholt, G. (2015). Enhanced action tendencies in Obsessive-Compulsive Disorder: An event-related potential study. Paper presented at the 45th Annual conference of the European Association for Behavioral and Cognitive Therapies (EABCT), Jerusalem, September.

Einziger, T., Levi, L., Zilberman-Hayun, Y., Auerbach, J. G., Arbelle, S., & **Berger A**. (2016). Low levels of effortful control in toddlerhood predict ADHD symptoms in adolescence. Poster presented at the third conference on cognition research of the Israeli society for cognitive psychology in Akko, Israel, February.

Feldman, A., & **Berger, A.** (2016). Following the finger: An innovative task for studying mental representations of the number line. Poster presented at the 3rd conference of the Israeli Society for Cognitive Psychology, Akko, Israel, February.

Dayan A., Anholt G., & **Berger A**. (2016). Action speaks louder than words: Enhanced action tendencies in OCD: An ERP study. The European Psychiatry Association (EPA) Congress of Psychiatry, Madrid, Spain, March.

Lavro, D., T., Saville, C. W., Klein, C., & **Berger, A**. (2016). Neurophysiological evidence of error processing and behavioral adjustment in the “Congruency One-Back Task”. Presented at the 2nd international meeting of the Psychonomic Society, Granada, Spain, May.

Farbiash, T., Taase, S., Meiri, G.,Faroy, M., & **Berger, A**. (2016). Children's ability to self-regulate in negative emotional challenges: Predicting PTSD symptoms from brain activity. Presented at the 15th World Congress of the World Association for Infant Mental Health: Infant Mental Health in a rapidly changing world: Conflict, adversity, and resilience, Prague, Czech Republic, May.

Shimoni, E., **Berger, A**., & Eyal, T. (2016). Too proud to regulate: The differential effect of pride versus joy on children’s ability to delay gratification. Presented at the 24th Biennial Meeting of the International Society for the Study of Behavioral Development, Vilnius, Lithuania, July.

Feldman, A., & **Berger, A.** (2016). Following the finger: Studying mental representations of the number line. Poster presented at the Domain-General and Domain-Specific Foundation of Numerical and Arithmetic Processing Workshop, Tuebingen, Germany, September.

Einziger, T., Levi, L., Zilberman-Hayun, Y., Auerbach, J. G., Atzaba-Poria, N., Arbelle, S., & **Berger, A.** (2016). Predicting ADHD symptoms in adolescence from early childhood temperamental traits. Poster presented at the 4th Eunethydis International Conferences on ADHD, Berlin, Germany, October.

Ben Shachar, M. S., Jacobson, J. L., Jacobson, S. W., & **Berger, A.** (2017). Processing speed or attentional disengagement? Searching for possible underlying mechanisms in infant visual recognition tasks using electro-physiological measures. Poster presented at the Forth Conference on Cognition Research of the Israeli Society for Cognitive Psychology (ISCoP), Akko, Israel, February.

Shimoni, E., Eyal, T., & **Berger, A.** (2017). The influence of pride vs. joy on children's self-regulation. Talk presented at The 4th Conference on Cognition Research of the Israeli Society for Cognitive Psychology (ISCOP). Akko, Israel, February.

Feldman, A., & **Berger, A.** (2017). Studying mental representations of the number line. Poster presented at the 4th Conference of the Israeli Society for Cognitive Psychology, Akko, Israel, February.

Duek, O., Knyazer, V., Neeman, E., Naparstek, S., **Berger, A**., Lachish, M., Tal, A., Goldbart, A., Paci, G., Bertolini, G., & Laza, I. (2017). A new comprehensive toolbox for assessment of children’s outcome after PICU admission due to traumatic brain injury. Poster presented at the 12th world congress on Brain Injury (IBIA), New-Orleans, Louisiana, March.

Lazar, I., Duek, O., Knyazer, V., Neeman, E., Naparstek, S., **Berger, A**., Lachish, M., Goldbart, A., Tal, A., Paci, G., Carrara,, G., & Bertolini G. (2017). Outcome of children after traumatic brain injury – first results of the CREACTKids study. A talk presented at the 12th world congress on Brain Injury (IBIA), New-Orleans, Louisiana, March.

Salunkhe, G., Feige, B., Saville, C. W. N., Bender, S., **Berger, A.**, Biscaldi, M., & Klein, C. (2017). Attention deficit hyperactivity disorder-related increase in intra-subject variability in autism spectrum disorder. Poster presented at the meeting of the German Association for Child and Adolescent Psychiatry (DGKJP), Ulm, Germany, March.

Dayan, A., Anholt, G., & **Berger, A**. (2017). Actions speak louder than words: Enhanced action tendencies in OCD: An ERP study. Association for Psychological Science (APS) Annual Convention, Boston, USA, May.

Neeman, E., Duek, O., **Berger, A**., Naparstek, S., Knyazer, V, Lachish, M., Tal, A., Goldbart, A., & Lazar, I. (2016). The CREACTIVE project toolbox: Evaluating PICU hospitalization outcome and child’s quality of life – A pilot study. Poster presented at the 8th World Congress on Pediatric Intensive and Critical Care (PICC), Toronto, Ontario, June.

Shimoni, E., Eyal, T., & **Berger, A.** (2017). The influence of self-conscious emotions compared to basic emotions on children's self-regulation. Poster presented at the 18th General Meeting of the European Association of Social Psychology (EASP) Conference, Granada, Spain, July.

Kabha, L., & **Berger, A.** (2017). Theory of mind development in Israeli Arab Muslim children. Poster presented at the 18th annual conference of the European Association of Development Psychology, Utrecht, The Netherlands, August.

Feldman, A., Shmueli, M., Sokol, R., Binjamin, T., Landau, D., & **Berger, A.** (2017). Capturing the initial mental representations of the number line. Poster presented at the 20th conference of the European Society for Cognitive Psychology (ESCoP), Potsdam, Germany, September.

Feldman, A., Oscar-Strom, Y., Sokol, R., Binjamin, T., Landau, D., Tzelgov, J., & **Berger, A.** (2017). SNARC effect among Hebrew speaking children. Poster presented at the "Linguistic and Cognitive Influences on Numerical Cognition" Workshop, Tübingen, Germany, September.

Ben-Shachar, M. S., Lisson, S., Shotts-Peretz, D., & **Berger, A**. (2018). Spontaneous focusing on numerosity is related to increased acuity of the analog magnitude system. Poster presented at the 7th International Meeting of the Integrated Brain and Behavior Research Center, University of Haifa, Israel, January.

Einziger, T., Zilberman-Hayun, Y., Auerbach, J. G., Atzaba-Poria, N., & **Berger, A.** (2018). The role of effortful control in the relation between early learning stimulation and ADHD in adolescence. Poster presented at the 7th International Meeting of the Integrated Brain and Behavior Research Center, University of Haifa, Israel, January.

**Berger, A.** (2018). When 1+1 is not 2: Brain responses to arithmetical errors in typical and atypical development. **Invited** lecture presented at the 7th International Meeting of the Integrated Brain and Behavior Research Center, Haifa, Israel, January.

Ben-Shachar, M. S., Shotts-Peretz, D., & **Berger, A.** (2018). Increased acuity of the analog magnitude system is related to spontaneous focusing on numerosity in children and adults. Poster presented at the 5th Conference on Cognitive Research of the Israeli Society for Cognitive Psychology, Akko, Israel, February.

Einziger, T., Zilberman-Hayun, Y., Auerbach, J. G., Atzaba-Poria, N., & **Berger, A**. (2018). Early learning stimulation and adolescent’s ADHD; the mediating role of children’s cognitive control. Poster presented at the 5th Conference on Cognition Research of the Israeli Society for Cognitive Psychology, Akko, Israel, February.

Dayan, A., Anholt, G., & **Berger, A.** (2018). Response conflict and enhanced action tendencies in obsessive-compulsive disorder: An ERP study. The British Neuropsychiatry Association Annual Convention (BNPA), London, England, February.

Einziger, T., Zilberman-Hayun, Y., Auerbach, J. G., Atzaba-Poria, N., & **Berger, A.** (2018). The role of effortful control in the relation between early learning stimulation and ADHD in adolescence. The International ADHD Congress, Tel-Aviv, Israel, March.

**Berger, A.,** & Einziger, T. (2018). Early home environment and adolescent’s ADHD; the mediating role of children’s effortful control. Occasional Temperament Conference (OTC2018), Temperament and Developmental Psychopathology Simposia, Murcia, Spain, May.

**Berger, A.,** & Farbiash, T. (2018). Negative affectivity and inhibitory control: Children’s self-regulation in negative emotional challenges. Occasional Temperament Conference (OTC2018), Self-regulation and attentional mechanisms Simposia, Murcia, Spain, May.

Ben-Shachar, M. S., Jacobson, J. L., Jacobson, S. W., & **Berger, A.** (2018). Neural evidence for a deficit in numerosity processing in infants prenatally exposed to alcohol. Poster presented at the 16th WAIMH World Congress, Rome, Italy, May.

Anholt, G. E., Dayan, A., & **Berger, A.** (2019). Affordances, response conflict and enhanced-action tendencies in obsessive-compulsive disorder: An ERP Study. The 27th ISFN annual meeting, Eilat, Israel, January.

Berger, A. **(2019)**. Brain responses to arithmetical errors in typical and atypical development. The 27th ISFN annual meeting, Eilat, Israel, January.

Ben-Shachar, M., Shmueli, M., Jacobson, J. L., Jacobson, S. W., & **Berger, A.** (2019). Brain-Level activity in response to perceived arithmetical errors reflects severity of fetal alcohol spectrum disorders (FASD). Poster presented at the 6th Conference on Cognitive Research of the Israeli Society for Cognitive Psychology, Akko, Israel, February.

**Berger, A**., Einziger, T., Zilberman-Hayun, Y., Auerbach, J. G., & Atzaba-Poria, N. (2019). From early risk via cognitive endophenotypes to ADHD phenotype: A longitudinal study of boys at familial risk for ADHD. Society for Research in Child Development (SRCD), Baltimore, Maryland, March.

**Berger, A.,** Einziger, T., Zilberman-Hayun, Y., Auerbach, J. G., & Atzaba-Poria, N. (2019). From early risk via cognitive endophenotypes to ADHD in childhood and adolescence. Eunethydis meeting, Nijmegen, Netherlands, September.

Einziger, T., Zilberman-Hayun, Y., Auerbach, J. G., Atzaba-Poria, N., & **Berger, A.** (2019). Home environment and adolescent’s ADHD: the protective role of early cognitive stimulation. Poster presented at the annual Eunethydis meeting, Nijmegen, Netherlands, September.

**Berger, A**., Einziger, T., Zilberman-Hayun, Y., Auerbach, J. G., & Atzaba-Poria, N. (2020). Predicting ADHD symptoms in adolescence from preschool self-regulation and reactivity. 7th Annual Conference on Cognition Research of the Israeli Society for Cognitive Psychology, Akko, Israel, February.

Einziger, T., Ben-Shachar, M. S., Devor, T., Shmueli, M., Auerbach, J. G., & **Berger, A**. (2020). “My brain can stop”: An ERP study of longitudinal prediction of inhibitory control in adolescence. Poster presented at the Eunethydis Conference, online conference, October.

Einziger, T., Zilberman-Hayun, Y., Auerbach, J. G., Atzaba-Poria, N., & **Berger, A**. (2021). From early risk via cognitive functioning to ADHD phenotype. Poster presented at the 8th Annual Conference on Cognition Research of the Israeli Society for Cognitive Psychology, online conference, February.

Einziger, T., Ben-Shachar, M. S., Devor, T., Shmueli, M., Auerbach, J. G., & **Berger, A.** (2021). “My brain can stop”: An ERP study of longitudinal prediction of inhibitory control in adolescence. The 29th Israel Society for Neuroscience Annual Meeting, online conference, February.

Ben-Shachar, M. S., & **Berger, A.** (2021). Adaptation to temporal predictability Is related to intelligence. Poster presented at the 8th Conference on Cognitive Research of the Israeli Society for Cognitive Psychology, online conference, February.

Einziger, T., Zilberman-Hayun, Y., Auerbach, J. G., Atzaba-Poria, N., & **Berger, A.** (2021). From early risk to ADHD phenotype: The protective role of enriched home environment. Poster presented at 8th World Congress on ADHD, online conference, May.

Ben-Shachar, M. S., & **Berger, A.** (2022). Processing speed: General trait or domain specific? Mental rotation as a case study. Poster presented at the 9th Conference on Cognitive Research of the Israeli Society for Cognitive Psychology, online conference, February.

Einziger, T., Devor, T., & **Berger, A.** (2022). Intrasubject neural variability and ADHD symptomatology. Poster presented at the 9th Conference on Cognitive Research of the Israeli Society for Cognitive Psychology, online conference, February.

Einziger, T., Devor, T., & **Berger, A.** (2022). Early predictors of inhibitory control in

adolescence: A longitudinal ERP study on boys at familial risk for ADHD. Poster presented at the 9th Conference on Cognitive Research of the Israeli Society for Cognitive Psychology, online conference, February.

Russinov, I.G., Avitan, A., Salti, M., **Berger, A**., & Henik, A. (2023). ERP indications of task conflict. Poster presented at the10th Conference on Cognitive Research of the Israeli Society for Cognitive Psychology, February.

**Berger, A**., (2022). Neural and Neuropsychological Consequences of prenatal exposure to alcohol (Fetal Alcohol Spectrum Disorder/FASD). **Invited** webinar lectures for the the Society for Neuropsychology Austria (GNPÖ). December.

Ben-Shachar, M. S. & **Berger, A**. (2023). Are Visual-Spatial Abilities Related to the Speed of Mental Rotation? Poster presented at the The 10th Conference on Cognition Research – ISCOP, Akko, Israel. February.

Yeshua, M. & **Berger, A.** (2023). The Emotional Day-Night Task: Assessing the Multi-facet Construct of Inhibition in Adults and Children. Poster presented at the 10th Israeli, Akko, Israel. February.

Devor, T., Einziger, T., & **Berger, A.** (2023). Theta Inter-Trial Phase Coherence Deficits During Error Processing in Adolescents with ADHD Symptomatology. Eunethydis Annual Meeting 2023; Montpellier, France, September.

Putnam, S. P. and 488 Partners in the Global Temperament Project (2023, October). Exploring the Role of Culture in the Development of Gender Differences in Temperament across Infancy and Childhood in 59 Countries. Paper to be presented at the Occasional Temperament Conference, Orford, Québec, Canada.

Hen-Herbst, L., **& Berger, A.** (2024). Knowledge of Occupational Therapists in Child Development Units: Implications for Fetal Alcohol Spectrum Disorder Diagnosis and Treatment. Poster presented at AOTA Inspire 2024 Annual Conference & Expo, Orlando, USA, March.

Devor, T., Einziger, T., & **Berger, A.** (2024). Reduced Theta Inter-Trial Phase Coherence - a Marker for a Significant Neurophysiological Dysfunction in ADHD. Zelman Center Annual Retreat 2024; Neve-Ilan, Israel, April.

Yeshua, M. Zohar H. A., & **Berger, A.** (2024). Testing a Comprehensive Model for Explaining Conduct Problems in Childhood. Poster presented at 2nd Duet annual Conference, Beer Sheva, Israel, April.

Yeshua, M. & **Berger, A.** (2024). Moderation between Electrophysiological Measures of Reactivity and Cognitive Control for Predicting Punitive Parenting Practices. Poster presented at the Zelman Center Annual Retreat, Jerusalem, Israel, April.

Kabha, L., Einziger, T., Gueron-Sela, N., & **Berger. A.** Predicting Israel-Arab Muslim Children's Socioemotional Functioning during the Covid-19 Pandemic. Poster presented at 2nd Duet annual Conference, Beer Sheva, Israel, April.

**RESEARCH GRANTS**

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| 2001 | [National Institute for Psychobiology in Israel](http://www.psychobiology.org.il). **Berger, A**. (PI), & Kofman, O., Long-term sequelae of exposure to AchE-I during brain development. Two years: $30,000.00/year; total: $60,000. |
| 2001 | The Israel Science Foundation. Auerbach, J., Landau, R., & **Berger, A**., The developmental course of attention deficit hyperactivity disorder (ADHD): Early childhood follow-up of infants at familial risk for ADHD. Four years: $33,000.00/year; total: $132,000.00. |
| 2002 | U.S. - Israel Binational Science Foundation. **Berger, A**., & Posner, M. I., Error detection by infants. Start-up grant. Two years: $29,957.50/year; total: $59,915.00. |
| 2004 | Israel Ministry of Education. Henik, A., & **Berger, A**., How changing “٢” to “2” influences processes of attention and automaticity in number processing in elementary school children. One year: $10,000.00. |
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| 2005 | The Israel Science Foundation. **Berger, A**., & Henik, A., The development of number representation during childhood.Four years: $28,000.00/year; total: $112,000. |
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| 2006 | U.S. - Israel Binational Science Foundation. **Berger, A**., & Posner, M. I., A monitoring brain system for the evaluation of information. Four years: $35,000.00/year; total: $140,000.00. |
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| 2006 | Israel Ministry of Education. Henik, A., Bentin, S., **Berger, A**., Stavy, R., Tzelgov, J., Reiner, M., & Shalev, R., Planning and consulting team in neuroscience, cognitive science and education. Two years: $225,000/year; total: $450,000. |
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| 2008 | The Israel Science Foundation – Center of Excellence, Henik, A., Tzelgov, J., **Berger, A**. (PI), & Rubinsten, O., The neurocognitive basis of numerical cognition. Four years: $208,000.00/year; total: $832,000. |
| 2011 | National Institutes of Health. Jacobson, S., & **Berger, A**., An ERP study of infant numerosity in Fetal Alcohol Syndrome. Two years: $137,500.00/year; total: $275,000. |
| 2012 | The Israel Science Foundation – Center of Excellence. Henik, A., Tzelgov, J., **Berger, A**., & Rubinsten, O., The neurocognitive basis of numerical cognition.  Four years (renewal): $214,000.00/year; total: $856,000. |
| 2014 | National Institutes of Health. **Berger, A**., & Jacobson, S. An ERP study of number processing and error detection in FAS and ADHD. Two years: $106,797.50/year; total: $213,595.00. |
| 2016 | The Israel Science Foundation. **Berger, A.** Intras-Subject variability in adolescents with ADHD: An ERP study of its neural sources and early longitudinal predictors. Four years: $ 41,620/year, total: $166,480. |
| 2020 | The Israel Science Foundation. **Berger, A.** Dealing with frustration: An electrophysiological and behavioral study of self-regulation in young children and their mothers. Four years: $ 49,875/year, total: $199,500. |
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| 2020 | Israel Anti-Drug Authority. Hen-Herbst, L., **Berger., A**., Tenenbaum, A., & Josman, N., Standardization of diagnostic criteria for Fetal Alcohol Spectrum Disorder (FASD) in Israel: Implications for research and clinical practice, one year 91,000 NIS. |
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| 2020 | Israel Anti-Drug Authority. Funds granted to Senecki, Y., Hodik, G., Hen-Herbst. L., & **Berger. A**., Israeli pregnant women’s knowledge about the damage to fetus due to in-utero alcohol exposure, one year, 80,000 NIS. |
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