NSF BIOGRAPHICAL SKETCH

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IDENTIFYING INFORMATION:

NAME: Baumgartner, Heidi A.

ORCID: 0000-0001-5032-5995

POSITION TITLE: Research Scientist

ORGANIZATION AND LOCATION: Stanford University, Stanford, CA, US

Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	DATE RECEIVED	FIELD OF STUDY
Brown University, Providence, Rhode Island, US	Postdoctoral Fellow	2014 - 2017	Psychology
University of California Davis, Davis, CA, US	PhD	2014	Psychology
Stanford University, Stanford, California, US	BA	2005	Psychology

Appointments and Positions

2021 - present Research Scientist, Stanford University, Center for the Science of Language and Information, Stanford, CA, US

Products

Products Most Closely Related to the Proposed Project

1. Baumgartner H, Oakes L. Infants' Developing Sensitivity to Object Function: Attention to Features and Feature Correlations. Journal of Cognition and Development. 2011 July; 12(3):275-298. Available from: http://www.tandfonline.com/doi/abs/10.1080/15248372.2010.542217 DOI: 10.1080/15248372.2010.542217
2. Baumgartner H, Oakes L. Investigating the Relation Between Infants' Manual Activity With Objects and Their Perception of Dynamic Events. Infancy. 2013 November; 18(6):983-1006. Available from: https://onlinelibrary.wiley.com/doi/10.1111/infa.12009 DOI: 10.1111/infa.12009
3. Visser I, Geambasu A, Baumgartner H, Bergmann C, Byers-Heinlein K, Carstensen C, Doyle F, Gervain J, Hannon E, Havron N, Johnson S, Kachergis G, Kline Struhl M, Kosie J, Lew-Williams C, Mayor J, Moreau D, Mueller J, Raijmakers M, Shukla M, Tsui A, Sirois S, Westermann G, Soderstrom M, Levelt C. Many babies 3 rule learning - Stage 1 Registered Report - In principle acceptance. [Preprint]. 2021 July 08. DOI: 10.31234/osf.io/aex7v
4. Singh L, Barokova M, Baumgartner H, Lopera D, Omane P, Sheskin M, Yuen F, Wu Y, Alcock K, Altmann E, Bazhydai M, Carstensen A, Chan K, Chuan-Peng H, Dal Ben R, Franchin L, Kosie J, Lew-Williams C, Okocha A, Reinelt T, Schuwerk T, Soderstrom M, Tsui A, Frank M. A Unified Approach to Demographic Data Collection for Research with Young Children Across

Diverse Cultures. [Preprint]. 2022 December 22. DOI: 10.31234/osf.io/agt3d

5. Kosie J, Zettersten M, Abu-Zhaya R, Amso D, Babineau M, Baumgartner H, Bazhydai M, Belia M, Benavides S, Bergmann C, Berteletti I, Black A, Borges P, Borovsky A, Byers-Heinlein K, Cabrera L, Calignano G, Cao A, Cox C, Dal Ben R, Dautriche I, DeBolt M, Exner A, Fisher-Thompson D, Frank M, Gönül G, Gonzalez-Gomez N, Grosse Wiesmann C, Hamlin K, Havron N, Hochmann J, Hoehl S, Houston-Price C, Kachergis G, Kaldy Z, Kingo O, Ko E, Kong S, Krøjgaard P, Liu S, Lu H, Maganti M, Mather E, Mayor J, McMillan B, Molnar M, Moreau D, Moriguchi Y, Moulson M, Mueller J, Oakes L, Peperkamp S, Peykarjou S, Pires M, Raz G, Requena P, Rocha-Hidalgo J, Saffran J, Schaetz C, Schuwerk T, Shinskey J, Simpson E, Singh L, Smolak E, Soderstrom M, Sonne T, Ssemata A, Visser I, Von Holzen K, waxman s, Westermann G, White K, Woodruff Carr K, Zahner-Ritter K, Zeidler H, Zimmer L, Zupan Z, Lew-Williams C. ManyBabies 5: A large-scale investigation of the proposed shift from familiarity preference to novelty preference in infant looking time. [Preprint]. 2023 January 10. DOI: 10.31234/osf.io/ck3vd

Other Significant Products, Whether or Not Related to the Proposed Project

1. Ment LR, Kesler S, Vohr B, Katz KH, Baumgartner H, Schneider KC, Delancy S, Silbereis J, Duncan CC, Constable RT, Makuch RW, Reiss AL. Longitudinal brain volume changes in preterm and term control subjects during late childhood and adolescence. Pediatrics. 2009 Feb;123(2):503-11. PubMed Central PMCID: PMC2679898.
2. Werchan D, Baumgartner H, Lewkowicz D, Amso D. The origins of cortical multisensory dynamics: Evidence from human infants. Developmental Cognitive Neuroscience. 2018 November; 34:75-81. Available from: https://linkinghub.elsevier.com/retrieve/pii/S1878929317302542 DOI: 10.1016/j.dcn.2018.07.002
3. Oakes L, Baumgartner H, Kanjlia S, Luck S. An Eye Tracking Investigation of Color-Location Binding in Infants' Visual Short-Term Memory. Infancy. 2017 September; 22(5):584-607. Available from: https://onlinelibrary.wiley.com/doi/10.1111/infa.12184 DOI: 10.1111/infa.12184
4. Owen E, Baumgartner H, Rivera S. Using infrared eye-tracking to explore ordinal numerical processing in toddlers with Fragile X Syndrome. Journal of Neurodevelopmental Disorders. 2013 February 12; 5(1):-. Available from: https://jneurodevdisorders.biomedcentral.com/articles/10.1186/1866-1955-5-1 DOI: 10.1186/1866-1955-5-1
5. Oakes L, Baumgartner H, Barrett F, Messenger I, Luck S. Developmental changes in visual short-term memory in infancy: evidence from eye-tracking. Frontiers in Psychology. 2013; 4:-. Available from: http://journal.frontiersin.org/article/10.3389/fpsyg.2013.00697/abstract DOI: 10.3389/fpsyg.2013.00697

Synergistic Activities

1. Executive Director of the ManyBabies consortium, a global collaborative network of developmental psychology labs.
2. Founding member and Co-Director of the Stanford Big Team Science Lab (bigteamsciencelab.github.io), a group dedicated to improving the efficacy and efficiency of

large-scale, cross-disciplinary team science collaborations.

3. Member of the International Congress of Infant Studies and Cognitive Development Society
4. NSF grant reviewer (Nov 2022)
5. Member of the INSciTS Team Science Toolkit Exploratory Committee (Jun 2022–Jan 2023)

Certification:

When the individual signs the certification on behalf of themselves, they are certifying that the information is current, accurate, and complete. This includes, but is not limited to, information related to domestic and foreign appointments and positions. Misrepresentations and/or omissions may be subject to prosecution and liability pursuant to, but not limited to, 18 U.S.C. §§ 287, 1001, 1031 and 31 U.S.C. §§ 3729-3733 and 3802.

Certified by Baumgartner, Heidi A. in SciENcv on 2023-01-23 18:20:55