

Karlena D. Ochoa, Ph.D.

Curriculum Vita

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California State University, Fullerton
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Academic Positions

Assistant Professor

California State University, Fullerton
Department of Child and Adolescent Studies
Fall 2023-Present, Fullerton, CA

Postdoctoral Fellow

University of California, Irvine
School of Education
2021-2023, Irvine, CA

Education

Ph.D. in Developmental Psychology

University of Oregon
Dissertation: The Development of Moral Evaluations in Children and Adults
Advisors: Drs. Louis Moses & Kate Mills
September 2021, Eugene, OR

M.A. in Psychological Science

California State University San Marcos
Thesis: Children's Understanding of Others' Knowledge and Intentions
Advisor: Dr. Kimberly Vanderbilt
June 2016, San Marcos, CA

B.A. in Psychology

California State University San Marcos
June 2014, San Marcos, CA

Funding

Co-Principal Investigator

"Transdisciplinary Ways of Knowing: Addressing Equity through the Co-Design of an Indigenous Family Math Program."
Society for Research in Child Development (SRCD): \$10,000
Co-PI: Dr. Susie Beltrán-Grimm
2023-2024

Fellowships and Awards

- **Open Access Publication Fee Support (\$975)**, California State University, Fullerton, 2023
- **Committee for an Inclusive Community Training Award**, University of Oregon, 2021
- **Graduate Education Committee Research Award**, University of Oregon, 2021

- **Carolyn M. Stokes Memorial Scholarship**, University of Oregon, 2019
- **People's Choice Award, Three Minute Thesis Competition**, University of Oregon, 2017
- **Promising Scholar Award**, University of Oregon, 2016
- **First Year Fellowship Award**, University of Oregon, 2016
- **Research Initiative for Scientific Enhancement (RISE*R25) Graduate Fellowship Recipient**, California State University San Marcos, 2014

Publications and Presentations

Peer-Reviewed Publications

1. **Ochoa, K.D.**, Mills, K. L. & Moses, L. J. (2023). The Interplay of Theory of Mind and Moral Development: Children's and Adults' Attributions of Intent, Praise and Blame, and Deserved Consequences in False Belief Contexts. *Collabra: Psychology*, 9(1): 89933. doi.org/10.1525/collabra.89933
2. Bustamante, A.S., Bermudez, V.N., **Ochoa, K.D.**, Belgrave, A.B & Vandell, D.L. (2023). Quality of Early Childcare and Education Predicts High School STEM Achievement for Students from Low-income Backgrounds. *Developmental Psychology*, 59(8), 1440–1451. https://doi.org/10.1037/dev0001546
3. Bermudez, V. N., Salazar, J., Garcia, L., **Ochoa, K. D.**, Pesch, A., Roldan, W., Soto-Lara, S., Gomez, W., Rodriguez, R., Hirsh-Pasek, K., Ahn, J., & Bustamante, A. S. (2023). Designing culturally situated playful environments for early STEM learning with a Latine community. *Early Childhood Research Quarterly*, 65, 205-216. doi.org/10.1016/j.ecresq.2023.06.003
4. **Ochoa, K. D.**, Rodini, F. J., & Moses, J. L. (2022). False Belief Understanding and Moral Judgment in Young Children. *Developmental Psychology*, 58(11), 2022–2035. https://doi.org/10.1037/dev0001411
5. Pesch, A., **Ochoa, K. D.**, Todaro, R.D., Fletcher, K., Bermudez, V.N., Gibbs, H., Bustamante, A.S., Ahn, J., Golinkoff, R.M., & Hirsh-Pasek, K. (2022). Playful Learning Landscapes: Synthesizing the process and outcomes of an evidence-based approach to transform everyday spaces into playful learning hubs. *Frontiers in Psychology*, 13, https://doi.org/10.3389/fpsyg.2022.933320
6. Vanderbilt, K. E., & Ochoa, K. D., Heilburn, J. (2018). Consider the source: Children link the accuracy of text-based sources to the accuracy of the author. *British Journal of Developmental Psychology*, 36, 634-651. https://doi.org/10.1111/bjdp.12247

Journal Articles Under Review

1. Ahn, J., Bustamante, A., Rodriguez, R., Anderson-Coto, M., Roldan, W., **Ochoa, K.**, Bermudez, V., Salazar, J., Pesch, A., Soto-Lara, S., Hirsh-Pasek, K. (under review). Evolving from Participatory Design and Speculative Futures to Community Actualization. *Journal of the Learning Sciences*.
2. Lawrence, L., **Ochoa, K.**, Acevedo-Farag, L., Garcia, D., Begolli, K., Bustamante, A., & Ahn, J. (under review). Framework for attending to and prioritizing teachers' design

ideas in design-based implementation research. *American Education Research Journal*.

Manuscripts in Preparation

1. **Ochoa, K. D.**, Bermudez, V. N., Salazar, J., Belgrave, A. B., Vandell, D.L. & Bustamante, A.S. Women in STEM: Does high-quality childhood care and education serve as a protective factor for women pursuing STEM majors? Manuscript in preparation for submission to *Developmental Psychology*.

Invited Presentations and Panels

1. Invited Panelist - Graduate School Panel for EG-RSCA. California State University, Fullerton. Fullerton, CA, July 25, 2024.
2. Invited Speaker - Playful STEM Learning Playful STEM Learning in the School Yard and Community Spaces. Committee for Education and Culture of the Bavarian Parliament, Irvine, CA, May 4, 2022.
3. Invited Panelist - Project Management with Research-Practice Partnerships. Orange County Education Advancement Network, Virtual | January 20th, 2022.
4. Invited Speaker - Playful STEM Learning. University of Massachusetts Amherst, Virtual | October 20, 2021.
5. Invited Speaker - Preparing Effective Research Presentations. Online Master's Students, University of Oregon.

Peer-Reviewed Oral Conference Presentations

1. **Ochoa, K. D.**, Bermudez, V.N., Pesch, A., Anderson-Coto, M.J., Seccia, I.T., Santana, E.S., Hernandez, L., Ahn, J., Hirsh-Pasek, K., & Bustamante, A.S. (2024). Parents as Co-designers and Co-researchers in Playful Learning Landscapes Projects. Paper presented at the *American Educational Research Association*, Philadelphia, PA, USA, April 11-14, 2024.
2. Pesch, A. **Ochoa, K. D.** (2024). Equitable education beyond the school walls: A tour of the Philadelphia Playful Learning Landscapes. Off-site workshop led at the *American Educational Research Association*, Philadelphia, PA, USA, April 11-14, 2024.
3. Beltrán-Grimm, S. & **Ochoa, D. K.** (2024). Engaging Latine families in mathematics during covid 19: an evaluation of a virtual family math night program. Paper presented at the American Educational Research Association, Philadelphia, PA, USA, April 11-14, 2024.
4. Cawelti, L., **Ochoa, K. D.**, Bermudez, V. N., Chew, P., Ojeda-Ramirez, S., & Peppler, K. (2023). Facilitating Connected Learning PD for Library Professionals through Design Cycles. Paper presented at the **Connected Learning Summit**, Virtual, October 26-28, 2023.
5. Lawrence, L., Garcia, D., **Ochoa, K. D.**, Valdez, S., Begolli, K., Bustamante, A., & Ahn, J. (2023). Factors that impact the implementation of a game-based curriculum and adaptations teachers design to address them. Paper presented at the International Conference of the Learning Sciences, Montreal, QC, June 10-15, 2023.

Poster Presentations

1. Beltrán-Grimm, S., **Ochoa, K. D.**, Cecilia Jiménez Melo, M. S., Ponce Leon. F. A., Velazquez Rodríguez, Y., Sanchez Hernandez, A. L. (2024). Building Bridges Together: Collaborative Approaches in Working with Indigenous Organizations and Families. Poster accepted at *National Conference on Family Relations Annual Conference*, Bellevue, WA, USA, November 20-23, 2024.
2. Lin, E., Alvarez-Vargas, D., Lawrence, L., **Ochoa, K. D.**, Farag, L. M., Cao, Z., Rhodes, K., & Bustamante, A. (2023). "Sparking" math talk in a fraction ball classroom lesson. Poster presented at *International Conference of the Learning Sciences*.
3. Lawrence, L., Valdez, S., Szura, J., Alvarez-Vargas, D., Begolli, K., **Ochoa, K.**, Bustamante, A., & Ahn, J. (2023). Co-design meets implementation: Comparing design adaptations of a fraction learning program. *American Educational Research Association*, Chicago, IL, USA, April 13-16, 2023.
4. Pesch, A., **Ochoa, K. D.**, Bermudez, V. N., Santana, E., Salazar, J., Ahn, J., Bustamante, A. S., & Hirsh-Pasek, K. A. (March, 2023). Playful Learning Landscapes: Evaluating the impact of a community-focused, evidence-based intervention on Latine families' STEM-language and interaction-quality. Poster Session presented at the Society of Research in Child Development, Salt Lake City, UT.
5. Bermudez, V.N., Bustamante, A.S., Salazar, J., Garcia, L., Begolli, K., **Ochoa K., D.**, Ahn, J., Hirsh-Pasek, K., Pesch A., Rodriguez, R., & Padilla, P. (2022). Culturally-Situated Playful Learning Landscapes in Santa Ana: Promoting Early STEM Learning. Poster session presented at National Science Foundation, Advancing Informal STEM Learning.
6. **Ochoa, K. D.**, Whitmore, L., Hval, L. & Mills, K. (2021, May). Perceived Social Support Predicts Feelings of Gratitude for Adolescents during Social Distancing. Poster session presented at *Association for Psychological Science Virtual Convention*.
7. **Ochoa, K. D.**, & Moses, L. J. & Vanderbilt, K. E. (2019, October). Does first-hand experience improve children's ability to make relative trust judgments? Poster session presented at *Cognitive Development Society*, Louisville, KY.
8. **Ochoa, K. D.**, Mills, K. L., Rusby, J. C., Light, J. M., & Westling, E. (2019, June). Social Environmental Influences on Prosocial Behavior During Mid-Adolescence. Poster session presented at *Jean Piaget Society*, Portland, OR.
9. **Ochoa, K. D.**, & Vanderbilt, K. E. (2015, October). 4-year-olds Selectively Trust more Honest and Knowledgeable Sources. Poster session presented at *Cognitive Development Society*, Columbus, OH.
10. **Ochoa, K. D.**, Lagervall, J., & Vanderbilt, K. (2014, December). Who Should I Trust?: Do Young Children Distinguish between Good and Bad Sources of Information?

Poster Session presented at the *CSU San Marcos Student Poster Showcase*, San Marcos, CA.

11. **Ochoa, K. D.**, Montoya, H. V., Stolmeier, M. & Ray, A. (2014, April). Do boys and girls play differently? Poster Session presented at the *CSU San Marcos Annual Psychology Research Fair*, San Marcos, CA.

Blog and Other Media Publications

Ochoa, K. D. & Bustamante, A. S. (2022). Researchers Need Community Partners to Create Lasting Initiatives. *Psychology Today*. [Link](#)

Professional Development

- **Grant Writing Academy**, 2024
- **Writing your AI Ready Syllabus**, 2023
- **Equitable Pedagogy Modules (2B)**, 2023-2024
- **Inclusive Teaching Strategies - Closing Equity Gaps**, 2024

Statistics and Methods Training

- **Machine Learning in Education Sciences**, University of Oregon, Spring 2020
- **Structural Equation Modelling**, University of Oregon, Fall 2019
- **Functional Programming with R**, University of Oregon, Spring 2019
- **Communicating and Transforming Data with R**, University of Oregon, Winter 2019
- **Meta-Analysis**, University of Oregon, Spring 2018
- **Multivariate Statistics and Hierarchical Linear Modelling**, University of Oregon, Fall 2016 - Spring 2017
- **Programming Languages: R, Python**

Research Experience

STEM Learning Lab - Postdoctoral Scholar

University of California, Irvine

PI: Andres Bustamante, Ph.D.

Playful Learning Landscapes: Promoting Informal STEM Learning in Public Spaces
2021-Present

Developing Brains in Context Lab

University of Oregon

PI: Kate Mills, Ph.D.

Graduate Researcher
2019-2021

Developing Mind Lab

University of Oregon

PI: Louis Moses, Ph.D.

Graduate Researcher
2016-2021

Research on Children's Knowledge of Social Thinking and Reasoning

California State University San Marcos

PI: Kimberly Vanderbilt, Ph.D.

Graduate Researcher and Lab Manager 2014-2016

Research on Children's Knowledge of Social Thinking and Reasoning

California State University San Marcos

PI: Kimberly Vanderbilt, Ph.D.

Research Assistant

2013-2016

Teaching Experience

Instructor of Record

- Research Methods in Behavioral Science, California State University, Fullerton
 - Fall 2023, Spring 2024
- Development from Conception Through Age 8, California State University, Fullerton
 - Fall 2023, Spring 2024, Summer 2024
- Statistical Methods in Psychology, University of Oregon, 2020
- Mind and Society, University of Oregon, 2019 & 2017
- Scientific Thinking, University of Oregon, 2018
- Introduction to Psychology, California State University San Marcos, 2016

Teaching Assistant

- Mind and Society, University of Oregon, 2019
- Research Methods in Psychology, University of Oregon, 2018
- Mind and Brain, University of Oregon, 2018
- Developmental Psychology, University of Oregon, 2017

Service Experience

University-Related Service**Child and Adolescent Studies (CAS) Department Service**

- CAS Concentration Revision Committee, CSUF, 2023-2024
- CAS Awards Committee, CSUF, 2023-2024
- CAS 301 Working Group – Open Educational Resources, 2023-2024

Health and Human Development College Service

- PK-3rd Credential Program Development, CSUF, 2024

University Service

- Faculty360 Platform – Pilot Cohort, CSUF, 2024
- Panelist - Graduate School Panel for EG-RSCA, CSUF, 2024

Community Service

- Corazón de Maíz Collaboration, 2022-present
- Center for Healthy Neighborhoods – Strategic Plan Discussion, CSUF, 2024
- Titan Day of Service, 04/2024

Professional Service

Ad-Hoc Reviewer

- Cambridge Handbook of Moral Psychology (Co-review 03/2021)
- Child Development (Co-review, 10/2018)
- BMC Psychology (10/2023)
- Thinking Skills and Creativity (08/2024)

Professional Memberships and Affiliations

- American Educational Research Association
- Association for Psychological Science
- Society for Research in Child Development
- Psi Chi International Honor Society

University of Oregon Service Activities

- **Graduate Student Consultant**, Online Master's Program, Center for Translational Neuroscience - University of Oregon, 2020-2021
- **Graduate Student Representative**, Committee for an Inclusive Community (CIC), University of Oregon, 2019-2021
- **Developmental Database Administrator and Consultant**, Team Duckling, University of Oregon, 2019-2020
- **Graduate Student Outreach Coordinator**, Team Duckling, University of Oregon, 2018-2020
- **Undergraduate Academic Advisor**, IntroDUCKtion, University of Oregon, Summer 2018
- **Graduate Student Volunteer**, Committee for an Inclusive Community (CIC), University of Oregon, 2017-2019
- **Graduate Student Outreach Volunteer**, Team Duckling, University of Oregon, 2016-2018
- **Engineering Instructor**, Science Program to Inspire Creativity and Excellence (SPICE), University of Oregon, Summer 2017
- **Student Volunteer**, San Diego Children's Discovery Museum, Escondido, CA, 2013-2016

Mentoring

- Vanessa Bermudez, PhD Student, UC Irvine
- Julie Salazar, PhD Student, UC Irvine
- Aastha Dhingra, Undergraduate Honors Thesis Reader, University of Oregon
- Audrey Sherman, Undergraduate Honors Thesis Reader, University of Oregon
- Anna Agron, Research Assistant, University of Oregon
- Lauren DiCarlo, Research Assistant, University of Oregon
- Mecca Donovan, Research Assistant, University of Oregon
- Josie Field, Research Assistant, University of Oregon
- Natasha Fruedmann, Research Assistant, University of Oregon
- Shin Tian Han, Research Assistant, University of Oregon
- Alyssa Holtrust, Research Assistant, University of Oregon

- Kadee Iha, Research Assistant, University of Oregon
- Nicole Langpap, Research Assistant, University of Oregon
- Weiyao Ma, Research Assistant, University of Oregon
- Allysia Rainey, Research Assistant, University of Oregon
- Jaquelin Ubaldo-Flores, Research Assistant, University of Oregon
- Mimi White, Research Assistant, University of Oregon

Language

- Fluent in English and Spanish