ENDA TAN

endatan@uvic.ca | endatan.github.io
3800 Finnerty Road, Victoria, BC, Canada V8P 5C2

EDUCATION

2021 **Ph.D., University of British Columbia**
Developmental Psychology
Vancouver, Canada
Dissertation: *The Neurobiological Bases of Infants' Sensitivity to Sociomoral Scenarios*
Advisor: J. Kiley Hamlin

2015 **M.A., University of British Columbia**
Developmental Psychology
Vancouver, Canada
Thesis: *Infants' Performance on Sociomoral Evaluation Tasks Predicts Parent Report of Preschool Social Functioning*

2012 **B.S., Sun Yat-Sen University**
Applied Psychology
Guangzhou, China
Advisor: Li Yi

EMPLOYMENT

2026- **Assistant Professor**
Department of Psychology, University of Victoria

2026- **Research Fellow**
Institute on Aging and Lifelong Health, University of Victoria

2024-2025 **Postdoctoral Fellow**
Department of Psychology, University of British Columbia
BC Children's Hospital Research Institute
Advisor: Hee Yeon Im

2021–2024 **Postdoctoral Fellow**
Department of Human Development and Quantitative Methodology
Neuroscience and Cognitive Science Program
University of Maryland, College Park
Advisor: Nathan A. Fox

PUBLICATIONS

*** indicates primarily supervised mentee**

JOURNAL ARTICLES

Tan, E., Van de Vondervoort, J. W., Dhaliwal, J.*, Aknin, L. B., & Hamlin, J. K. (2026). Toddlers are happier giving to others than to themselves. *Developmental Science*, 29(3), e70171. [paper]

Wang, Y., Colomer, M., Hwang, H. G., **Tan, E.**, Fox, N. A., & Woodward, A. (2026). Language exposure predicts infants' neural processing of others' actions based on language group. *Developmental Cognitive Neuroscience*, 77, 101645. [paper]

Valadez, E. A., Conte, S., Richards, J. E., Feng, Y., Liuzzi, L., McSweeney, M., **Tan, E.**, Buzzell, G. A., Morales, S., Winkler, A. M., Cardinale, E. M., White, L. K., Pine, D. S., & Fox, N. A. (2025). Integrating Multimodal Neuroimaging of Error Monitoring to Estimate Future Anxiety in Adolescents. *JAMA Network Open*, 8(10), e2539133–e2539133. [paper]

Tan, E., Troller-Renfree, S. V., Morales, S., Buzzell, G. A., McSweeney, M., Antúnez, M., & Fox, N. A. (2024). Theta activity and cognitive functioning: Integrating evidence from resting-state and task-related developmental electroencephalography (EEG) research. *Developmental Cognitive Neuroscience*, 67, 101404. [paper]

Antúnez, M., McSweeney, M., Zeytinoglu, S., **Tan, E.**, Zeanah, C. H., Nelson, C. A., & Fox, N. A. (2024). Exploring background aperiodic electroencephalography (EEG) activity in the Bucharest Early Intervention Project. *Developmental Psychology*, 61(7), 1371–1383. [paper]

Fox, N. A., Pérez-Edgar, K., Morales, S., Brito, N. H., Campbell, A. M., Cavanagh, J. F., Gabard-Durnam, L. J., Hudac, C. M., Key, A. P., Larson-Prior, L. J., Pedapati, E. V., Norton, E. S., Reetzke, R., Roberts, T. P., Rutter, T. M., Scott, L. S., Shuffrey, L. C., Antúnez, M., Boylan, M. R., Garner, B. M., Learnard, B., McNair, S., McSweeney, M., Castillo, M. I. N, Norris, J., Nyabingi, O. S.*, Pini, N., Quinn, A., Stosur, R., **Tan, E.**, Troller-Renfree, S. V., & Yoder, L. (2024). The development and structure of the HEALthy Brain and Child Development (HBCD) Study EEG protocol. *Developmental Cognitive Neuroscience*, 101447. [paper]

Tan, E., & Hamlin, J. K. (2024). Toddlers' affective responses to sociomoral scenes: Insights from physiological measures. *Journal of Experimental Child Psychology*, 237, 105757. [paper]

Tan, E., Tang, A., Debnath, R., Humphreys, K. L., Zeanah, C. H., Nelson, C. A., & Fox, N. A. (2023). Resting brain activity in early childhood predicts IQ at 18 years. *Developmental Cognitive Neuroscience*, 63, 101287. [paper]

Tan, E., Zeytinoglu, S., Morales, S., Buzzell, G. A., Almas, A. N., Degnan, K. A., Chronis-Tuscano, A., Henderson, H., Pine, D. S., & Fox, N. A. (2023). Social versus non-social behavioral inhibition: Differential prediction from early childhood of long-term psychosocial outcomes. *Developmental Science*, e13427. [paper]

Conte, S., Richards, J. E., Fox, N. A., Valadez, E. A., McSweeney, M., **Tan, E.**, Pine, D. S., Winkler, A. M., Liuzzi, L., Cardinale, E. M., White, L. K., Buzzell, G. A. (2023). Multimodal study of the neural sources of error monitoring in adolescents and adults. *Psychophysiology*, e14336. [paper]

Drew, R., **Tan, E.**, Yuen, F., & Hamlin, J. K. (2023). We aren't especially fearful apes, and fearful apes aren't especially prosocial (Commentary on Grossmann, 2022: The human fear paradox: Affective origins of cooperative care). *Behavioral and Brain Sciences*, 46, E60. [paper]

Woo, B. M., **Tan, E.**, Yuen, F. L., & Hamlin, J. K. (2023). Socially evaluative contexts facilitate mentalizing. *Trends in Cognitive Sciences*, 27(1), 17-29. [paper]

Woo, B. M., **Tan, E.**, & Hamlin, J. K. (2022). Human morality is based on an early-emerging moral core. *Annual Review of Developmental Psychology*, 4, 41-61. [paper]

Tan, E., & Hamlin, J. K. (2022). Infants' neural responses to helping and hindering scenarios. *Developmental Cognitive Neuroscience*, 54, 101095. [paper]

Tan, E., & Hamlin, J. K. (2022). Mechanisms of social evaluation in infancy: A preregistered exploration of infants' eye-movement and pupillary responses to prosocial and antisocial events. *Infancy*, 27(2), 255-276. [paper] **[*Infancy* Top 10 Most-Cited Articles 2022-2023]**

Tan, E., Mikami, A. Y., Luzhanska, A.*, & Hamlin, J. K. (2021). The homogeneity and heterogeneity of moral functioning in preschool. *Child Development*, 92(3), 959-975. [paper]

Woo, B. M., **Tan, E.**, & Hamlin, J. K. (2021). Theory of mind in context: Mental-state representations for social evaluation. (Commentary on Phillips et al., 2021: Knowledge before belief). *Behavioral and Brain Sciences*, 44, e176, Article e176. [paper]

Tan, E., Mikami, A. Y., & Hamlin, J. K. (2018). Do infant sociomoral evaluation and action studies predict preschool social and behavioral adjustment? *Journal of Experimental Child Psychology*, 176, 39-54. [paper]

Tan, E., Wu, X., Nishida, T., Huang, D., Chen, Z., & Yi, L. (2018). Analogical reasoning in children with autism spectrum disorder: Evidence from an eye-tracking approach. *Frontiers in Psychology*, 9, 847. [paper]

Chen, Z., Honomichl, R., Kennedy, D., & **Tan, E.** (2016). Aiming to complete the matrix: Eye-movement analysis of processing strategies in children's relational thinking. *Developmental Psychology,* 52(6), 867-878. [paper]

Yi, L., **Tan, E.**, Fan, Y., Liu, Y., & Zhou, G. (2014). Autism spectrum disorder individuals' processing of own- and other-race faces in ethnic scene backgrounds: An eye-movement study. *Journal of Psychological Science [Chinese],* 37(2), 478-482.

Tan, E., Zou, Y., He, J., & Huang, M. (2011). Empathy and subjective well-being: Emotion regulation as a mediator. *Chinese Journal of Clinical Psychology [Chinese]*, 19(5), 672-674.

BOOK CHAPTERS

Hamlin, J. K., & **Tan, E.** (2020). The emergence of moral responses and sensitivity. In L. Jensen (Ed.), *The Oxford Handbook of Moral Development* (pp. 267-287). Oxford, UK: Oxford University Press. [paper]

MANUSCRIPTS UNDER REVIEW OR IN PREPARATION

Tan, E., & Im, H. Y. (in preparation). How are emotions processed in crowds versus individuals.

Soleimani, Z., **Tan, E.**, Emberson, L., Hamlin J. K. (in preparation). 4-month-olds' neural responses to helping and hindering interactions. [OSF link]

Fong, S., **Tan, E.**, Wang, Y., Colomer, M., Fox, N. A., Woodward, A., Hwang, H. G. (in preparation). Infant neural responses to people of different races. [OSF link]

Zeytinoglu, S., Buzzell, G. A., Morales, S., Valadez, E. A., **Tan, E.**, McSweeney, M., Chronis-Tuscano, A., Degnan, K. A., Henderson, H., Pine, D. S., & Fox, N. A. (under review). A neurobehavioral mechanism linking parent personality and early temperament with social anxiety in adulthood.

RESEARCH FUNDING AND FELLOWSHIPS

2026-2027	**University of Victoria Research and Creative Project Grant (SSHRC Explore Grant)** University of Victoria Title: *How Preschoolers Read the Room: Mechanisms of Ensemble Emotion Perception*	$7,000
2026-2031	**NSERC Discovery Grant + Launch Supplement** Natural Sciences and Engineering Research Council of Canada Title: *How Young Brains Learn from Surprise: Mechanisms of Prediction Error Processing in Infancy and Early Childhood*	$222,500
2025	**Bertram Hoffmeister Postdoctoral Fellowship** BC Children's Hospital Research Institute Title: *Assessing Social Brain Functioning in Infants: Implications for Healthy Cognitive and Emotional Growth*	$100,000
2025	**BB&D Trainee Boost Award** BC Children's Hospital Research Institute Title: *Assessing Social Brain Functioning in Infants*	$5,000
2022–2024	**SSHRC Postdoctoral Fellowship** Social Sciences and Humanities Research Council of Canada Title: *Differential Prediction From Early Childhood of Psychosocial Outcomes: Social Versus Non-Social Inhibition*	$90,000
2015–2019	**Four-Year Doctoral Fellowship** University of British Columbia Title: *How Do Children Evaluate the Distribution of Economic Outcomes?*	$72,800
2014	**Faculty of Arts Graduate Fellowship** University of British Columbia Title: *Infants' Evaluations of Forgiveness and Reciprocity*	$16,000
2013	**Graduate Entrance Fellowship** University of British Columbia	$17,500
2009, 2010	**National Creative Research Grant for Undergraduates** Ministry of Education of the P.R. China	¥2,000
2009, 2010, 2011	**National Fellowship**	¥30,000

	Ministry of Education of the P.R. China	
2009, 2010, 2011	**Fellowship for Outstanding Students** (First Prize) Sun Yat-sen University	¥15,000

Awards to Mentees

2026	**Undergraduate Student Research Awards** Natural Sciences and Engineering Research Council of Canada	$6,000

RECOGNITIONS AND AWARDS

2020, 2021	**President's Academic Excellence Initiative PhD Award** University of British Columbia
2013–2021	**International Tuition Awards** University of British Columbia
2016	**Graduate Student Travel Award** International Congress of Infant Studies
2015, 2016	**Graduate Student Travel Award** University of British Columbia
2012	**Distinguished Dissertation and Thesis** Sun Yat-sen University
2009	**Outstanding Volunteer Award** Sun Yat-sen University

INVITED TALKS

2022 *How do institutionalization and foster care intervention affect early cognitive and neural development?* Invited talk at the Bill & Melinda Gates Foundation neuroimaging all-consortium meeting

2022 *Social versus non-social inhibition: Differential prediction from early childhood of psychosocial outcomes.* Invited talk at the Section on Development and Affective Neuroscience (SDAN), National Institute of Mental Health

2021 *The mechanisms underlying infants' responses to sociomoral interactions.* Invited talk at the School of Psychological and Cognitive Sciences, Peking University

CONFERENCE TALKS

Tan, E., & Im, H. Y. (2025). Neural representations of crowd versus individual faces. Talk presented at *Vision Day*. Vancouver, BC, Canada

Tan, E., & Hamlin, J. K. (2022). How do infants process prosocial/antisocial scenarios and characters? Insights from an EEG study. Talk presented at the *Budapest CEU Conference on Cognitive Development (BCCCD)*, Virtual conference

Tan, E., & Hamlin, J. K. (2021). The role of goal understanding in infants' evaluation of helping and hindering actions. Talk presented at the Biennial Meeting of the *Society for Research in Child Development (SRCD)*, Virtual conference

Tan, E., & Hamlin, J. K. (2021). The role of emotion in infants' evaluation of helping and hindering actions. Talk presented at the *Budapest CEU Conference on Cognitive Development (BCCCD)*, Virtual conference

Tan, E., Mikami, A., & Hamlin, J. K. (2019). Prosocial behaviors and moral evaluations in preschool. Talk presented at the *Northwest Social Cognitive Development (NSCD)* Conference. Friday Harbor, WA, USA

CONFERENCE POSTERS

Hashimoto-Fong, S., **Tan, E.**, Wang, Y., Colomer, M., Gilbreath, D., Fox, N., Woodward, A., & Hwang, H. G. (2026). Infants' neural responses to same-race versus other-race people. Poster presented at the *Cognitive Development Society (CDS)* Biennial Conference. Montreal, QC, Canada.

Tan, E., Kveraga, K., & Im, H. Y. (2026). Rapid and persistent neural representations differentiate crowd vs. individual faces: A magnetoencephalography (MEG) study. Poster presented at the Annual Meeting of the *Cognitive Neuroscience Society (CNS)*. Vancouver, BC, Canada.

Hashimoto-Fong, S., **Tan, E.**, Wang, Y., Colomer, M., Fox, N., Woodward, A., & Hwang, H.G. (2025). Infants' neural responses to same-race versus other-race people. Poster presented at the Annual Meeting of the *International Society for Developmental Psychobiology (ISDP)*. San Diego, CA, USA.

Soleimani, Z., **Tan, E.**, Emberson, L.L., Hamlin, J.K. (2025). Examining the robustness of neural correlates of infants' sociomoral evaluations. Poster presented at the Annual Meeting of the *Cognitive Science Society (CogSci)*. San Francisco, CA, USA.

Wang, Y., Colomer, M., Hwang, H. G., **Tan, E.**, Fox, N. A., & Woodward, A. (2025). Influence of linguistic diversity in infants' social networks on neural processing of actions across language groups. Poster presented at the Pre-conference of the *Society for Personality and Social Psychology (SPSP)* Annual Convention. Denver, CO, USA

Wang, Y., Colomer, M., Hwang, H. G., **Tan, E.**, Fox, N. A., & Woodward, A. (2025). Language exposure influences infants' neural processing of others' actions based on language group. Poster presented at the Biennial Meeting of the *Society for Research in Child Development (SRCD)*. Minneapolis, MN, USA

Wang, Y., Colomer, M., Hwang, H. G., **Tan, E.**, Fox, N. A., Woodward, A. (2024). Infants' neural processing of others' actions based on language group. Poster presented at the *Cognitive Development Society (CDS)* Biennial Conference. Pasadena, CA, USA

Valadez, E. A., Conte, S., Richards, J. E., Liuzzi, L., McSweeney, M., **Tan, E.**, Buzzell, G. A., Winkler, A. M., Cardinale, E. M., White, L. K., Pine, D. S., Fox, N. A. (2023). Integrating multimodal neuroimaging measures of error monitoring to predict future anxiety among behaviorally

inhibited adolescents. Poster presented at the *Society for Developmental Cognitive Neuroscience (FLUX)* Congress. Santa Rosa, CA, USA

Tan, E., Tang, A., Debnath, R., Zeanah, C., Nelson, C., & Fox, N. A. (2023). The effects of institutionalization and foster care intervention on early brain and cognitive development. Poster presented at the Biennial Meeting of the *Society for Research in Child Development (SRCD)*. Salt Lake City, UT, USA

McSweeney, M., Richards, J. E., Conte, S., Valadez, E. A., Buzzell, G. A., **Tan, E.**, Morales, S., Pine, D. S., Winkler, A. M., Liuzzi, L., Chronis-Tuscano, A., Fox, N. A. (2022). Associations between the development of error monitoring, temperament, and anxiety: A longitudinal multimodal study. Poster presented at the Biennial Meeting of the *Society for Research in Child Development (SRCD)*. Salt Lake City, UT, USA

Valadez, E. A., Richards, J. E., Conte, S., McSweeney, M., **Tan, E.**, Buzzell, G. A., Winkler, A. M., Liuzzi, L., Pine, D. S., Fox, N. A. (2022). Integrating EEG and fMRI estimates of error monitoring to predict future anxiety changes among behaviorally inhibited adolescents. Poster presented at the Hybrid Annual Meeting of the *Society for Psychophysiological Research (SPR)*. Vancouver, BC, Canada

Richards, J. E., Conte, S., Fox, N. A., Valadez, E. A., McSweeney, M., **Tan, E.**, Pine, D. S., Winkler, A. M., Liuzzi, L., & Buzzell, G. A. (2022). Location of the cortical source of the "error-related negativity" in adolescents and adults: A multimodal ERP/fMRI study. Poster presented at the Hybrid Annual Meeting of the *Society for Psychophysiological Research (SPR)*. Vancouver, BC, Canada

Tan, E., Zeytinoglu, S., Morales, S., Almas, A. N., Degnan, K., Henderson, H., Pine, D., & Fox, N. A. (2022). Social versus non-social inhibition: Differential developmental trajectories from infancy to adolescence. Poster presented at the *International Congress of Infant Studies (ICIS)*. Ottawa, ON, Canada

Soleimani, Z., **Tan, E.**, Emberson, L., Hamlin, J. K. (2022). Exploring infants' neural responses to sociomoral scenarios via EEG. Poster presented at the *International Congress of Infant Studies (ICIS)*. Ottawa, ON, Canada

Tan, E., & Hamlin, J. K. (2021). Probing the links between goal understanding and sociomoral evaluation in infancy using eye-tracking. Poster presented at the Annual Meeting of the *Cognitive Science Society (CogSci)* Workshop "Engineering and Reverse-Engineering Morality", Virtual conference

Tan, E., & Hamlin, J. K. (2021). Are emotions involved in infants' evaluation of helping and hindering actions? Poster presented at the Biennial Meeting of the *Society for Research in Child Development (SRCD)*, Virtual conference

Yuen, F., Graham, R., **Tan, E.**, Van de Vondervoort, J., Hamlin, J. K. (2021). Assessing the relationship between emotion and infant sociomoral evaluation using facial electromyography (fEMG). Poster presented at the Biennial Meeting of the *Society for Research in Child Development (SRCD)*, Virtual conference

Tan, E., & Hamlin, J. K. (2020). How do infants process sociomoral scenarios? An eye-tracking pupillometry study. Poster presented at the *International Congress of Infant Studies (ICIS)*, Virtual conference

Tan, E., & Hamlin, J. K. (2019). Infants' eye-movement and pupillary responses to sociomoral scenarios. Poster presented at the *Cognitive Development Society (CDS)* Biennial Conference. Louisville, KY, USA

Tan, E., Mikami, A., & Hamlin, J. K. (2019). The relations between subtypes of moral behavior and evaluation in preschool. Poster presented at the *Cognitive Development Society (CDS)* Biennial Conference. Louisville, KY, USA

Tan, E., & Hamlin, J. K. (2018). Does the valence of prior behavior influence infants' agency attribution and action predictions? Poster presented at the *International Congress of Infant Studies (ICIS)*. Philadelphia, PA, USA

Tan, E., Mikami, A., & Hamlin, J. K. (2016). The link between infants' performance on sociomoral evaluation tasks and parent-report preschool social functioning. Poster presented at the *International Conference on Infant Studies (ICIS)*. New Orleans, LA, USA

Tan, E., Mikami, A., & Hamlin, J. K. (2015). Infants' performance on sociomoral evaluation tasks predicts parent report of preschool social functioning. Poster presented at the *Cognitive Development Society (CDS)* Biennial Conference. Columbus, OH, USA

Yi, L., Chen, Z., **Tan, E.**, Fan, Y., Nishida, T. (2013). Analogical reasoning in children with autism spectrum disorder: An eye-tracking study. Poster presented at the Biennial Meeting of the *Society for Research in Child Development (SRCD)*. Seattle, WA, USA

TEACHING EXPERIENCE AND INSTRUCTION

INSTRUCTOR OF RECORD

Infant and Child Development, University of Victoria (2026)
Advanced Infant and Child Development, University of Victoria (2026)
Analysis of Behavioral Data, University of British Columbia (2025)
Infant Development, University of Maryland, College Park (2024)

TEACHING FELLOW

Introduction to Psychology, University of British Columbia (2019)
Research Methods in Psychology, University of British Columbia (2015)

GUEST LECTURER

Methods of Infant Cognition, University of California, San Diego (2025)
Social Neuroscience, Catholic University of America (2022)
Introduction to Psychology: Memory, University of British Columbia (2017)
Analysis of Behavioral Data: Non-Parametric Tests, University of British Columbia (2015)

TEACHING ASSISTANT

Analysis of Behavioral Data, University of British Columbia (2015, 2016, 2019, 2021)
Introduction to Psychology, University of British Columbia (2017, 2018, 2019, 2020)
Cultural Psychology, University of British Columbia (2020)
Psychology of Adulthood and Aging, University of British Columbia (2020)
Psychology of Death and Dying, University of British Columbia (2018)
Infancy, University of British Columbia (2016)
Academic Writing for Psychology, Sun Yat-Sen University (2012)

MENTORSHIP AND SUPERVISION

GRADUATE STUDENTS

2024	Samantha Fong	UC Santa Cruz
2021	Zohreh Soleimani	UBC
2017	Julia Mermier	UBC/University of Milano-Bicocca

UNDERGRADUATE STUDENTS

Year	Name	Subsequent Position
University of Victoria		
2026	Sarah Edgar	
University of Maryland		
2022	Olufemi Shakuur Nyabingi	Graduate student, UC Davis
University of British Columbia		
2024	Lina Kim	Graduate student, UBC
2024	Angela Peng	
2022	Jeneesha Dhaliwal	Graduate student, UBC
2017	Evangeline Wong	
2016	Vivian Wong	Lab coordinator, Centre for Infant Cognition
2016	Eliza Li	Graduate student, University of Alberta
2015	J. Thaddeus Grams	Graduate student, Western University
2015	Anastasiya Luzhanska	Graduate student, UBC
2015	Brandon M. Woo	Assistant Professor, UC Santa Barbara
2015	Brianna Vissers	
2014	Paniz Pasha	

SERVICE

PEER REVIEW

Journals

Aggressive Behavior, Autism Research, Child Development, Cognitive Development, Developmental Cognitive Neuroscience, Developmental Psychobiology, Developmental Psychology, Developmental Review, Developmental Science, Evolution and Human Behavior, Frontiers in Psychology, Infancy, Journal of Neuroscience, Proceedings of the National Academy of Sciences, Psychophysiology, Social Development

Conferences

Budapest CEU Conference on Cognitive Development (BCCCD), Annual Meeting of the Cognitive Science Society (CogSci), Biennial Meeting of the Society for Research in Child Development (SRCD)

INSTITUTIONAL AND ACADEMIC SERVICE

2021	Diversity Mentorship Program Mentor, UBC
2019	Grad School Panelist, Northwest Social Cognitive Development Conference
2014	Developmental Psychology Area Meeting Coordinator, UBC
2014	Undergraduate Research Opportunities (URO) Mentor, UBC
2008	Psychology Volunteer Group, Sun Yat-Sen University

PROFESSIONAL MEMBERSHIPS

Cognitive Development Society (CDS), Cognitive Science Society (CSS), International Congress on Infant Studies (ICIS), International Society for Moral Psychology (ISMP), Society for Philosophy and Psychology (SPP), Society for Research in Child Development (SRCD)

LANGUAGES

English, Mandarin Chinese