

Maria G. Brucato, Ph.D.

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EDUCATION

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|-----------------|---|
| 2017- Nov. 2022 | Temple University
Ph.D. Psychology, Cognition and Neuroscience
Concentration in Quantitative Methods |
| 2014 - 2017 | Montclair State University
B.A. Psychology, Magna Cum Laude
Minors: Computer Science and Cognitive Science |

EXPERIENCE

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|----------------------|---|
| Jan. 2023 – Present | Director of Assessment, Evaluation, and Research
Jefferson Center for Interprofessional Practice and Education
Thomas Jefferson University
Philadelphia, PA |
| Dec. 2021- Dec 2023 | Outcomes Analyst - Contract
RMEI Medical Education
Vorhees, NJ (Remote) |
| Nov. 2022- June 2023 | Psychometrician – Contract
engin Sciences Inc.
New York, NY (Remote) |
| 2017 – Nov. 2022 | Graduate Student Researcher
Temple University, Control and Adaptive Behavior Lab
Research in Spatial Cognition Lab
Philadelphia PA |
| May – July 2017 | Visiting Graduate Scholar
Johns Hopkins University, Language and Cognition Lab
Baltimore, MA |
| 2016 – 2017 | Research Assistant Intern
Kessler Foundation, Stroke Rehabilitation Lab
West Orange, NJ |
| 2016 – 2017 | Research Assistant
Montclair State University, Information Processing Lab
Montclair, NJ |
| June – Aug. 2016 | Research Assistant Intern
Yale University, Mind and Development Lab
New Haven, CT |

2014 – 2017

Research Assistant

Montclair State University, Language & Cognitive Dev. Lab
Montclair, NJ

GRANT FUNDING

Jefferson Center for Faculty Development and Nexus Learning Pedagogy Grant

“Teaching Microaggression Interventions for Safer Interprofessional Collaborative Practice: A Novel Simulation-Based Curriculum”

PIs: **Brucato M.**, Zhang, X. C., Lacy, J., Yeager, A. \$6,000 June 2023 –2024

Psi Chi Graduate Student Research Grant

“Cognitive, Affective, and Spatial Perspective-Taking: Shared Processes and Clinical Considerations”

PI: Brucato, M. \$1,500 June 2021 –2022

HONORS & AWARDS

2022	Psychonomic Society Graduate Conference Award	\$1,000
2022	Kavli Summer Institute in Cognitive Neuroscience Fellowship	
2016	Psychology Department Student Excellence Award	\$2,000
2016	Montclair State Psychology Dept. Student Travel Grant	\$250
2015	Nancy Walsh Scholarship	\$2,655
2014 - 2016	Montclair State University Merit Scholarship	\$15,000
2014 - 2017	Dean’s List, College of Humanities and Social Sciences	

PEER-REVIEWED PUBLICATIONS

1. **Brucato, M.**, Nazareth, A., & Newcombe, N. S., (2022) Longitudinal development of cognitive mapping from childhood to adolescence. *Journal of Experimental Child Psychology*. <https://doi.org/10.1016/j.jecp.2022.105412>
2. **Brucato, M.**, Frick, A., Pichelmann, S., Nazareth, A., & Newcombe, N. S. (2022). Measuring spatial perspective taking: analysis of four measures using item response theory. *Topics in Cognitive Science*. <https://doi.org/10.1111/tops.12597>
3. Lakusta, L., **Brucato, M.**, & Landau, B. (2020). Evidence for a core representation for support in early language development. *Language Learning and Development*, 1-16. <https://doi.org/10.1080/15475441.2020.1721291>

ORAL PRESENTATIONS (*denotes student/mentee)

1. Lacy, J., Yeager, A., Zhang, X. C., DiNardo, K., **Brucato, M.** (2024, January) Teaching Team-Based Microaggression Interventions for Safer Interprofessional Collaborative Practice (Team-MICRO): A Novel Simulation-based Program. 2024 Virtual Clinical Education Conference, Duke University School of Nursing, virtual.
2. Yeager, A., Zhang, X. C., Lacy, J., DiNardo, K., **Brucato, M.** (2023, November) Teaching Team-Based Microaggression Interventions for Safer Interprofessional Collaborative Practice (Team-MICRO): A Novel Simulation-based Program. 2023 Interprofessional Education Collaborative Poster Fair, virtual.
3. *Sirak, K., **Brucato, M.**, Hass, R. W., Mitchell, A. B., Ankam, N. S., (2023, November) Who Can Contribute to Collaborative Patient Care? A Novel Task for Measuring Student Associations. Interprofessional Care for the 21st Century eighth biennial conference, Philadelphia, PA.
4. Mitchell, A. B., Ankam, N. S., **Brucato, M.**, Edmonds, M., & Salzman, B., (2023, November). Teaching the 4ms in Prelicensure, Experiential Interprofessional Education. Interprofessional Care for the 21st Century eighth biennial conference, Philadelphia, PA.
5. Herge, E. A., Liskov, J., **Brucato, M.**, Hass, R. W., DiNardo, K., Rzuclidlo, L., & Gray, M. (2023, November). Addressing structural racism and provider biases in black maternal health care through simulation. Interprofessional Care for the 21st Century eighth biennial conference, Philadelphia, PA.
6. Lacy, J., Yeager, A., **Brucato, M.**, DiNardo, K., & Zhang, X. C., (2023, November). Teaching Microaggression Interventions for Safer Interprofessional Collaborative Practice: A Novel Simulation-Based Curriculum. Interprofessional Care for the 21st Century eighth biennial conference, Philadelphia, PA.
7. Kates, J., Hershman, M., **Brucato, M.**, Granda-Cameron, C., Jackson-Coty, J., LaTourette, L., & Liantonio, J. (2023, November). Impact of a Novel Interprofessional Palliative Care Program. Interprofessional Care for the 21st Century eighth biennial conference, Philadelphia, PA.
8. **Brucato, M.** & Liskov, J. (2023, September). Mobile Application-Based Assessment of Teamwork Skills with Jefferson Teamwork Observation Guide® (JTOG) App. Drexel Assessment Conference, Philadelphia, PA.
9. **Brucato, M.** & Kates, J. (2023, September). A self-study tool to evaluate diversity, equity, and inclusion in higher education curricula. Drexel Assessment Conference, Philadelphia, PA.
10. **Brucato, M.**, DiNardo, K., Liskov, J., & Herge, E. A., (2023, September) An Interprofessional Teamwork Simulation to Support Black Maternal Health: Team and Standardized Patient Perspectives. Nexus Summit, virtual conference.
11. King A., Salzman, B., Sicks, S. K., Kates, J., Hershman, M., Liskov, J., DePaolo, R. K., & **Brucato, M.** (2023, September). One Year Later: Impact of Implementing a Self-study Tool to Enhance Diversity, Equity and Inclusion at the Jefferson Center for Interprofessional Practice and Education. Nexus Summit, virtual conference.

12. Earland, T., **Brucato, M.**, Kuperman, M., DePaolo, R. K., Hass, R. W., & Salzman, B. (2023, September). The Jefferson Complex Care Assessment: Development, Implementation, and Outcomes. Nexus Summit, virtual conference.
13. Kates, J., Hershman, M., **Brucato, M.**, Granda-Cameron, C., Jackson-Coty, J., LaTourette, L., & Liantonio, J. (2023, September). Consistent Positive Effect of a Novel Interprofessional Palliative Care Program on Learners' Self-efficacy for End-of-life Care Skills. Nexus Summit, virtual conference.
14. Toth-Cohen, S. E., Salzman, B., Mitchell, A.B., Ankam, N. S., & **Brucato, M.** (2023, September). Development of an Interprofessional Virtual Reality Home Visit Experience Focused on Application of the 4ms of Age-friendly Health Systems. Nexus Summit, virtual conference.
15. Mitchell, A.B., **Brucato, M.**, Edmonds, M., Salzman, B., & Ankam, N. S. (2023, September). Teaching the 4ms in Prelicensure, Experiential Interprofessional Education. Nexus Summit, virtual conference.
16. Toth-Cohen, S. E. & **Brucato, M.** (2023, September). Continuous Quality Improvement for an Interprofessional Training Program to Enhance Services for People Experiencing Homelessness Focused on Harm Reduction. Nexus Summit, virtual conference.
17. King, A., Sicks, S. K., Salzman, B., Hershman, M., **Brucato, M.**, & Liskov, J. (2023, September). Foundations in Interprofessional Education and Collaborative Practice: Interactive Online Modules for Health Professions Students. Nexus Summit, virtual conference.
18. **Brucato, M.**, Frick, A., Nazareth, A., & Newcombe, N. S. (2019, July). Measuring spatial perspective taking: analysis of four measures using item response theory. Symposium on individual differences in spatial representations and wayfinding presented at the 41st annual meeting of the Cognitive Science Society, Montreal, CA.
19. **Brucato, M.**, Nazareth, A., & Newcombe, N. S. (2017, December). Investigating the reciprocal relation between GIScience education & spatial thinking. Thinking Within Symposium, Pennsylvania State University.
20. **Brucato, M.**, Bindra, A., Polen, M., Lakusta, L., & Landau, B. (2016, April). The language of support in young children's spontaneous speech. Montclair State University's tenth annual Student Research Symposium, Montclair State University.

CONFERENCE WORKSHOPS

1. Lockeman, K. & **Brucato, M.** (2023, November). Assessment & Evaluation Tools for Interprofessional Practice and Education. Interprofessional Care for the 21st Century eighth biennial conference, Philadelphia, PA.
2. Pfeifle, A., Lockeman, K., Blakeney, E., Winward, M., **Brucato, M.** & Cuddy, M. (2023, November). Structuring Interprofessional Assessments to Meet Specific Training Contexts. The 11th International All Together Better Health Conference XI, Qatar University, Doha-Qatar.

POSTER PRESENTATIONS (*denotes student/mentee)

1. Keating, C., **Brucato, M.**, Hass, R. W. (2024, March) Utility of the Jefferson Teamwork Observation Guide for Measuring Collaborative Practice Competencies Virtually, In-Person, and Across Health Professions: A Rasch Analysis [Accepted Poster]. 2024 National Academies of Practice Annual Meeting and Forum, Jacksonville, FL.
2. Toth-Cohen, S. E., **Brucato, M.**, DiNardo, K., Hass, R. W. (2023, November) Validation of the factor structure of the Health Professionals' Attitudes Toward the Homeless Inventory (HPATHI). Interprofessional Care for the 21st Century eighth biennial conference, Philadelphia, PA.
3. **Brucato, M.**, Chein, J.M. & Newcombe, N. S. (2022, November). Cognitive, Affective, and Spatial Perspective-Taking: Shared or Distinct Processes? Psychonomic Society Meeting, Boston, MA.
4. **Brucato, M.**, Newcombe, N. S., & Chein, J.M. (2022, May). Functional and structural correlates of perspective-taking abilities. The Philadelphia Decision Neuroscience Symposium, Philadelphia, PA.
5. **Brucato, M.**, Jobson, K. R., Chein, J. M., Newcombe, N. S., & Olson, I. R. (2022, April) White matter pathways associated with theory of mind support spatial perspective taking. Cognitive Neuroscience Society, San Francisco, CA.
6. **Brucato, M.**, Newcombe, N. S., & Chein, J. M. (2021, November) White matter pathways associated with theory of mind support spatial perspective taking. Harvard Women in Psychology: Trends in Psychology Summit, virtual.
7. **Brucato, M.**, *Smith, M., Newcombe, N. S., & Chein, J. M. (2021, March) On the role of attention in spatial, cognitive, and affective perspective taking: an activation likelihood meta-analysis. Cognitive Neuroscience Society, virtual conference.
8. **Brucato, M.**, Nazareth, A., & Newcombe, N. S. (2019, October) Longitudinal development of cognitive maps. Cognitive Development Society, Louisville, KY.
9. Lakusta, L., Bindra, A., **Brucato, M.**, Iroldi, C., & Landau, B. (2017, April) Infants' categorization of support configurations. The Society for Research in Child Development, Austin, TX.
10. Lakusta, L., **Brucato, M.**, Bindra, A., Polen, M., & Landau, B. (2016, May) The language of support in young children's spontaneous speech. The International Conference of Infant Studies, New Orleans, LA.
11. **Brucato, M.**, Bindra, A., Polen, M., Lakusta, L., & Landau, B. (2016, March) The language of support in young children's spontaneous speech. The Eastern Psychological Association meeting, New York, NY.

SERVICE & LEADERSHIP

2023 – Present

Co-Chair

Jefferson Center for Interprofessional Practice and Education
Committee on Assessment, Research, and Evaluation (J-CARE)

2023 – Present	Committee Member National Center for Interprofessional Practice and Education Interprofessional Continuing Education (IPCE) Review Committee
2023 – Present	Planning and Assessment Sub-Committee Member Jefferson Center for Interprofessional Practice and Education Racial and Social Justice Committee
2021 – 2022	Graduate Student Reviewer Temple University, Grey Matters
2020 – 2021	Cognition & Neuroscience Arm Co-Leader Temple University, Psychology Graduate Students for Inclusivity (PGSI)
2018 – 2022	Undergraduate Outreach Committee Member Temple University, Psychology Graduate Students for Inclusivity (PGSI)
2017, Sept.	Panelist NIH-sponsored Building Infrastructure Leading to Diversity (BUILD) Program Roundtable, The Graduate School Admission Process. California State University, Long Beach.

TEACHING (*Thesis student)

Summer 2022	PSY 2101	Foundations of Cognitive Psychology	Instructor
Fall 2021	PSY 1003	Statistics for Psychology	Teaching Assistant
Summer 2021	PSY 3004	Positive Psychology	Instructor

Research Mentees: Serina Victor, Kayla Wyatt, Dara Rogers*, Alina Spas, Olivia Bishop, Re-al Mitchell, Ria Kazmi, Christopher Maldonado, Marisa Smith, Shawn Echavarria, Natalie Schauddeck.

PROFESSIONAL MEMBERSHIP

American Interprofessional Health Collaborative (AIHC), National Academies of Practice (NAP), Cognitive Neuroscience Society (CNS), Psychonomic Society, Psi Chi International Honor Society in Psychology