

CAITLIN C. CLEMENTS, PhD
Curriculum Vitae

EDUCATION

2020	PhD Psychology (Clinical) University of Pennsylvania
2017	Certificate in College and University Teaching University of Pennsylvania
2014	MA Psychology (Clinical) University of Pennsylvania
2010	BS Psychology Yale University

POSITIONS

2023 –	Mary Hesburgh Flaherty and James F. Flaherty Assistant Professor of Psychology William J. Shaw Center for Children and Families University of Notre Dame
2023 –	Affiliate Faculty Neuroscience and Behavior University of Notre Dame
2022 – 2023	Visiting Research Fellow Boston University, Department of Psychology Boston Children's Hospital, Division of Developmental Medicine
2020 – 2022	NIMH T32 Fellow, Translational Post-doctoral Training in Neurodevelopment Boston Children's Hospital, Harvard Medical School Division of Developmental Medicine
2019 – 2020	Clinical Psychology Intern – Child Track SUNY Upstate Medical Center, Department of Psychiatry
2017 – 2018	Visiting Scholar Karolinska Institutet, Department of Medical Epidemiology and Biostatistics
2011 – 2013	Clinical Research Coordinator

Psychiatric & Neurodevelopmental Genetics Unit
Massachusetts General Hospital

GRANT SUPPORT AND FUNDING

Active

- 2025 – 2027 NARSAD Young Investigator Grant, Brain & Behavior Research Foundation. Award 32408. Role: PI. *Extending the study of reward processing to preschoolers to improve autism interventions*. Total costs: \$69,517
- 2024 Private Philanthropy. Notre Dame Development. Total program support: \$100,000
- 2023 Folenza Fund. Notre Dame Development. Total program support: \$30,000

Pending

- 2026 – 2028 Data Analysis Grant. Simons Foundation for Autism Research. Role: PI. *Stability, change, and genetic correlates of autistic behaviors measured by the ADOS*. Total costs: \$299,824

Completed

- 2022 – 2023 Boston Children's Hospital Division of Developmental Medicine Seed Grant. Role: PI. *Pilot testing experimental paradigms to assess how & when reward processing develops*. Total costs: \$5,639
- 2020 – 2022 NIMH T32 Fellow, Translational Post-doctoral Training in Neurodevelopment. Approximate total costs: \$128,000
- 2017 – 2018 U.S. Fulbright Scholar (Sweden). Approximate total costs: \$26,000.
- 2016 – 2017 McMorris Autism Early Intervention Initiative Fund Pilot Study Award. Role: Student PI. Total costs: \$25,000
- 2015 – 2019 National Science Foundation Graduate Research Fellowship. Approximate total costs: \$156,000
- 2014 International Society of Autism Research Student Travel Award.
- 2013 – 2014 Benjamin Franklin Fellowship.
- 2010 – 2011 Cohen Public Service Fellowship. Total costs: \$12,000
- 2010 Davis Projects for Peace Grant. *Sustainability, Skills Workshops, and Personal Testimony in Rwanda*. Total costs: \$10,000
- 2010 Mellon Research Grant. Role: Student PI. Total costs: \$1,000

2009 Richter Fellowship. Role: Student PI. Total costs: \$1,500.

AWARDS

2022 Scholarship to Event-Related Potential 10-day Bootcamp at UC Davis
 2012 MGH Scientific Advisory Committee Poster of Distinction Award
 2010 Psi Chi Society
 2010 Cogswell Award
 2009 F. Wilder Bellamy Jr. Memorial Prize
 2009 Dwight Waterman Prize

PUBLICATIONS

^uUndergraduate, ^{pb}Postbaccalaureate, or ^gGraduate student

*These authors contributed equally.

In print

32. Yu, Y^{pb}, Wyman, A^g, Faulk, C, Fulop, L, Benecke, R, Steinbeck, L, Greenberg, R, Foy, J, Kim, C, Emory, G, Storch, E, Zampella, C, Yerys, B, Schultz, R, Parish-Morris, J, Herrington, J, **Clements, CC**. (2025). An Examination of Racial Bias in Scoring the Autism Diagnostic Observation Schedule (ADOS) Module 3. *Aut Research*.
<https://doi.org/10.1002/aur.70155>
31. Xiong, Y, Krebs, K, Jermy, B, Karlsson, R, Pasman, JA, Nyugen, T, Gong, T, Kowalec, K, Rück, C, Sigström, R, Jonsson, L, **Clements, CC**, Hörbeck, Andersson, E, Bäckman, J, FinnGen, Estonian Biobank Research Team, Ganna, A, German, J, Sullivan, PF, Landén, M, Lehto, K, Lu, Y. (2025). Genome-wide association meta-analysis and rare copy number variant analysis of treatment-resistant depression. *Molecular Psychiatry*, 1-10.
<https://doi.org/10.1038/s41380-025-03084-z>
30. **Clements CC***, Engelstad, A^g, Wilkinson, CL*, Hyde, C, Hartney, M, Simmons, A, Tager-Flusberg, H, Jeste, S, Nelson, CA. (2025). Resting state EEG in young children with Tuberous Sclerosis Complex: associations with medications and seizures. *Journal of Neurodevelopmental Disorders*, 17(2). <https://doi.org/10.1186/s11689-025-09590-z>
29. **Clements, CC**. (2024). Methodological advances for studying the motivation hypothesis of autism. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 9(9), 855-857.
<https://doi.org/10.1016/j.bpsc.2024.07.016>
28. Xiong, Y, Karlsson, R, Song, J, Kowalec, K, Rück, C, Sigström, R, Jonsson, L, **Clements, CC**, Andersson, E, Boberg, J, Lewis, C, Sullivan, PF, Landén, M, Lu, Y. (2023). Polygenic

- risk scores of lithium response and treatment resistance in major depressive disorder. *Translational Psychiatry*, 13(1), 301. <https://doi.org/10.1038/s41398-023-02602-3>
27. Göteson A.*, **Clements C.C.***, Juréus A., Joas E., Larsson J.H., Karlsson R., Nordenskjöld A., Pålsson E. & Landén M. (2023). Alterations in the serum proteome following electroconvulsive therapy for a major depressive episode: a longitudinal multicenter study, *Biological Psychiatry Global Open Science*, 3(4), 884-892. <https://doi.org/10.1016/j.bpsgos.2022.11.005>
 26. **Clements, CC**, **Ascunce, K^{ug}**, Nelson, CA. (2023). In context: A developmental model of reward processing, with implications for autism and sensitive periods. *J Am Acad Child Adolesc Psychiatry*, 62(11): 1200-1216. <https://doi.org/10.1016/j.jaac.2022.07.861>
 25. Xiong, Y, Karlsson, R, Song, J, Kowalec, K, Rück, C, Jonsson, L, **Clements, CC**, Andersson, E, Boberg, J, Lewis, C, Sullivan, PF, Landén, M, Lu, Y. (2022). Investigating genetic overlap between antidepressants and lithium response and treatment resistance in major depressive disorder. *European Neuropsychopharmacology*, 63, e270. <https://doi.org/10.1038/s41398-023-02602-3>
 24. Sigström, R, Kowalec, K, Jonsson, L, **Clements, CC**, Karlsson, R, Nordenskjöld, A, Pålsson, E, Sullivan, PF, Landén, M. (2022). Association between polygenic risk scores and outcome of ECT. *Am J Psychiatry*, 179(11), 844-852. <https://doi.org/10.1176/appi.ajp.22010045>
 23. **Clements, CC**, Karlsson, R, Lu, Y, Juréus, A, Rück, C, Andersson, E, Boberg, J, Pedersen, NL, Bulik, CM, Nordenskjöld, A, Pålsson, E, Sullivan*, PF, Landén*, M. (2021). Genome-wide association study of patients with a severe major depressive episode treated with electroconvulsive therapy. *Molecular Psychiatry*, 26(6), 2429-2439. <https://doi.org/10.1038/s41380-020-00984-0>
 22. Sparding, T, Jonas, E, **Clements, CC**, Pålsson, E, Landén, M. (2021). Long-term trajectory of cognitive performance in bipolar disorder and controls: a 6-year follow-up study. *BJPsych Open*, 7(4). <https://doi.org/10.1192/bjo.2021.66>
 21. Chawner, SJRA, Doherty, JL, Anney, R, Antshel, KM, Bearden, CE, Bernier, R, Chung, WK, **Clements, CC**, Curran, SR, Cuturilo, G, Fiksinski, AM, Gallagher, L, Hanson, E, Jacquémont, S, Kates, WR, Maillard, AM, McDonald-McGinn, DM, Mihaljevic, M, Miller, JS, Moss, H, Pejovic-Milovancevic, M, Schultz, RT, Snyder, LG, Vorstman, JA, Wenger, TL, IMAGINE-ID Consortium, Hall, J, Owen, MJ, van den Bree, MBM. (2021). A Genetics-First Approach to Dissecting the Heterogeneity of Autism: Phenotypic Comparison of Autism Risk Copy Number Variants. *Am J Psychiatry*, 178(1), 77-86. <https://doi.org/10.1176/appi.ajp.2020.20010015>
 20. **Clements, CC**, Sparding, T, Yerys, BE, Schultz, RT, Watkins, MW. (2020). DAS-II cognitive profiles are not diagnostically meaningful for autism: A ROC Analysis. *Autism Research*, 13(12), 2143-2154. <https://doi.org/10.1002/aur.2336>

19. **Clements, CC**, Watkins, MW, Schultz, RT, Yerys, BE. (2020). Does the factor structure of IQ differ between the DAS-II normative sample and autistic children? *Autism Research*, 13(7), 1184-1194. <http://dx.doi.org/10.1002/aur.2285>
18. Graham Holmes, L., Zampella, C.J., **Clements, CC**, McCleery, J., Maddox, B.B., Parish-Morris, J., Schultz, R.T., and Miller, J.M. (2020). A lifespan approach to Patient-Reported Outcomes and quality of life for people on the autism spectrum. *Autism Research*, 13(6), 970-987. <https://doi.org/10.1002/aur.2275>
17. Sigstrom, R, Nordenskjold, A, Jureus, A, **Clements, C**, Joas, E, Palsson, R, Landen, M. (2020). Long-term subjective memory after electroconvulsive therapy. *BJPsych Open*, 6(2):e26. <https://doi.org/10.1192/bjo.2020.9>
16. Drakopoulos, J, Sparding, T, **Clements, CC**, Landén, M. (2020). Executive functioning but not IQ or illness severity predicts occupational status in bipolar disorder. *International Journal of Bipolar Disorders*, 8(1), 7. <https://doi.org/10.1186/s40345-019-0168-6>
15. Soda, T, McLoughlin, D, Clark, S, Oltedal, L, Kessler, U, Haavik, J, Bousman, C, Smith, D, Bioque, M, **Clements, CC**, Loo, C, Vila-Rodriguez, F, Minelli, A, Mickey, B, Milev, R, Docherty, AR, Langan Martin, J, Achtyes, ED, Arolt, V, Redlich, R, Dannlowski, U, Cardoner, N, Clarc, E, Craddock, N, DiFlorio, A, Dmitrzak-Weglarz, M, Forty, L, Gordon-Smith, K, Husain, M, Ingram, WM, Jones, L, Jones, IR, Juruena, M, Kirov, G, Landen, M, Muller, DJ, Nordenskold, A, Palsson, E, Paul, M, Permoda, A, Pliszka, B, Rea, J, Schubert, KO, Sonnen, JA, Soria, V, Stageman, W, Takamiya, A, Urretavizacaya, M, Watson, S, Zavorotny, M, Young, AH, Vieta, E, Rybakowski, JK, Gennarelli, M, Zandi, PP, Sullivan, PF, and Baune, BT. (2019). International Consortium on the Genetics of Electroconvulsive Therapy and Severe Depressive Disorders (Gen-ECT-ic). *European Archives of Psychiatry and Clinical Neuroscience*, 270(7), 921-932. <https://doi.org/10.1007/s00406-019-01087-w>
14. Yankowitz, LD & **Clements, CC**. (2019). Reconciling autistic individuals' self-reported social motivation with diminished social reward responsiveness in neuroimaging. *Behavioral and Brain Sciences*, 42, E114. <https://doi.org/10.1017/S0140525X18002455>
13. Salavan, S, Sparding, T, **Clements, CC**, Rydén, E, Landén, M. (2019). Neuropsychological profiles of adult bipolar disorder patients with and without comorbid attention-deficit hyperactivity disorder. *Int J Bipolar Disorder*, 7(1), 14. <https://doi.org/10.1186/s40345-019-0149-9>
12. **Clements, CC**, Zoltowski, AR^{pb}, Yankowitz, LD, Schultz, RT, Herrington, JD. (2018). Evaluation of the Social Motivation Hypothesis of Autism: An fMRI meta-analysis of reward types. *JAMA Psychiatry*, 75(8), 797-808. <https://doi.org/10.1001/jamapsychiatry.2018.1100>
11. **Clements, CC,*** Wenger, TL,* Zoltowski, AR^{pb}, Bertollo, JR^{pb}, Miller, JS, de Marchena, AB, Mitteer, LM, Carey, JC, Yerys, BE, Zackai, EH, Emanuel, BS, McDonald-McGinn, DM, Schultz, RT. (2017). Critical region within 22q11.2 linked to higher rate of autism

- spectrum disorder. *Molecular Autism*, 8(1), 1-17. <https://doi.org/10.1186/s13229-017-0171-7>
10. Wenger, TL,* Miller, J,* DePolo, LM, de Marchena, A, **Clements, CC**, Emanuel, BS, Zackai, EH, McDonald-McGinn, DM, Schultz, RT. (2016). 22q11.2 duplication syndrome: elevated rate of autism spectrum disorder and need for medical screening. *Molecular Autism*, 7(1), 27. <https://doi.org/10.1186/s13229-016-0090-z>
 9. McGrath, LM, Oates, J, Dai, YG, Dodd, H, Waxler, J, **Clements, CC**, Weill, S, Hoffnagle, A, Anderson, E, MacRae, R, Mullett, J, McDougale, C, Pober, B, Smoller, JW. (2016). Attention bias to emotional faces varies by IQ in Williams syndrome. *J Autism Dev Disord*, 46(6), 2174-2185. <https://doi.org/10.1007/s10803-016-2748-y>
 8. Perlis, RH, Castro, VM, Kong, SW, **Clements, CC**, Brady, R Kaimal, AJ, Doyle, AE, Robinson, EB, Smoller, JW, Churchill, SE, Kohane, IS. (2016). Absence of evidence for increase in risk for autism or attention deficit-hyperactivity disorder following prenatal antidepressant exposure: a replication study. *Translational Psychiatry*, 6(1), e708. <https://doi.org/10.1038/tp.2015.190>
 7. **Clements, CC**, Castro, VM, Blumenthal, SR, Rosenfield, HR, Murphy, SN, Fava, M, Erb, JL, Churchill, SE, Kaimal, AJ, Doyle, AE, Robinson, EB, Smoller, JW, Kohane, IS, Perlis, RH. (2014). Prenatal antidepressant exposure is associated with risk for attention deficit-hyperactivity disorder but not autism spectrum disorder in a large health system. *Molecular Psychiatry*, 20(6), 727-734. <https://doi.org/10.1038/mp.2014.90>
 6. Blumenthal, SR, Castro, VM, **Clements, CC**, Rosenfield, HR, Murphy, SN, Gainer, VS, Fava, M, Weilburg, JB, Erb, JL, Churchill, SE, Kohane IS, Smoller JW, Perlis RH. (2014). Weight gain after long-term antidepressant use: a longitudinal study of electronic health records. *JAMA Psychiatry*, 71(8), 889-896. <https://doi.org/10.1001/jamapsychiatry.2014.414>
 5. O'Dushlaine, C, Ripke, S, Ruderfer, DM, Hamilton, SP, Fava, M, Iosifescu, DV, Kohane, IS, Churchill, SE, Castro, VM, **Clements, CC**, Blumenthal, SR, Murphy, SN, Smoller, JW, Perlis, RH. (2014). Rare Copy Number Variation in Treatment-Resistant Major Depressive Disorder. *Biological Psychiatry*, 76(7), 536-541. <https://doi.org/10.1016/j.biopsych.2013.10.028>
 4. Wiste, A, Robinson, EB, Milaneschi, Y, Meier, S, Ripke, S, **Clements, CC**, Fitzmaurice, GM, Rietschel, M, Penninx, BW, Smoller, JW, Perlis, RH. (2014). Bipolar polygenic loading and bipolar spectrum features in major depressive disorder. *Bipolar Disorders*, 16(6), 608-616. <https://doi.org/10.1111/bdi.12201>
 3. Castro, VM, **Clements, CC**, Murphy, SN, Gainer, VS, Fava, M, Weilburg, JB, Erb, JL, Churchill, SE, Kohane IS, Smoller JW, Iosifescu DV, Perlis RH. (2013). QT Interval Prolongation and Antidepressant Use in a Cross-Sectional Study of a Large Healthcare System. *Brit Med J*, 346: f288. <https://doi.org/10.1136/bmj.f288>

2. Castro, V, Gallagher, PJ, **Clements, CC**, Murphy, SN, Gainer, VS, Weilburg, JB, Fava, M, Churchill, SE, Kohane, IS, Smoller, JW, Iosifescu, DV, Perlis, RH. (2012). Incident User Cohort Study of Risk for Gastrointestinal Bleed and Stroke in Individuals with Major Depressive Disorder Treated with Antidepressants. *Brit Med J Open*. 2(2):e000544. <https://doi.org/10.1136/bmjopen-2011-000544>
1. **Clements, CC** & Chawarska, K (2010). Beyond pointing: Development of the ‘showing’ gesture in children with Autism Spectrum Disorders. *Yale Review of Undergraduate Research in Psychology*, 2: 46-63.

Preprint & Under review

2. Yu, Y^{pb}, Wyman, A^g, Faulk, C, Fulop, L, Benecke, R, Steinbeck, L, Greenberg, R, Foy, J, Kim, C, Emory, G, Fox, E^{pb}, Storch, E, Zampella, C, Yerys, B, Schultz, R, Parish-Morris, J, Herrington, J, **Clements, CC**. (Under Review). The under-identification of autism in females: A review and analysis of sex-based scoring differences observed in Autism Diagnostic Observation Schedule (ADOS) Module 3. Preprint at https://osf.io/preprints/psyarxiv/7dcgx_v1
1. Yankowitz, LD, Said, AJ^{pb}, **Clements, CC**, Wilkinson, CL, Tager-Flusberg, H, Nelson, CA. (Submitted). Trajectories of restricted and repetitive behaviors from 1-3 years in autistic and typical development. Preprint at https://osf.io/preprints/psyarxiv/hxtqz_v1

In preparation

3. Kuo, Y^g, Wilkinson, CL, Bosquet-Enlow, M, Nelson, CA, Tager-Flusberg, H, **Clements, CC**. (In prep). Validity of the Infant Behavior Questionnaire – Revised to assess temperament across ages 3-12 months in >1000 infants.
2. McEllin, M^g, Obiajulu, D^{ug}, Holt, G, Vilano, M, **Clements, CC**. (In prep). A behavioral task to measure effort in early childhood and infancy.
1. Engelstad, AM^g, **Clements, CC**, Hyde, C, Wilkinson, CL, Jeste, S, Nelson, CA. (2024). Investigation of brain-behavior relationships and intervention-related EEG changes in a clinical trial of JASPER intervention for Tuberous Sclerosis Complex. Preregistration at <https://osf.io/4my9j/resources>

CONFERENCE PRESENTATIONS

43. Li, C^g, Wyman, A^g, Zhang, Z, **Clements, C.C.** (Accepted). *Temporal trends in ADOS diagnostic classifications over two decades*. Poster to be presented at the 26th Annual International Meeting for Autism Research (INSAR). Prague, Czech Republic.

42. Wyman, A^g, Yu, YY^{pb}, Li, C^g, Zhang, Z, **Clements, C.C.** (Submitted). *Sex Bias in the ADOS: A Multi-Module Comparison of Differential Item Functioning Among 23,000 Participants from NDAR, SSC, SPARK, and AIC*. Poster to be presented at the 26th Annual International Meeting for Autism Research (INSAR). Prague, Czech Republic.
41. Kuo, Y^g, Fox, E^{pb} McEllin, M^g, **Clements, CC.** (Submitted). *The Reward Positivity in Early Childhood: Age, Feedback, and Trial-Level Dynamics in an Adapted Doors Task*. Poster to be presented at the 26th Annual International Meeting for Autism Research (INSAR). Prague, Czech Republic.
40. **Clements, CC**, Kuo, Y^g, McEllin, M^{pb}, Fox, E^{pb}. (Submitted). *Neural Response to Reward in Preschoolers Measured with EEG and a Developmentally Adapted Doors Guessing Prize Task*. In Gerber [chair], *Advancing measurement of reward processing in autistic individuals across the developmental trajectory*. [Symposium]. 26th Annual International Meeting for Autism Research (INSAR). Prague, Czech Republic.
39. **Clements, CC**, Kuo, Y^g, McEllin, M^{pb}, Fox, E^{pb}. (Accepted). *Neural Response to Reward in Autism and ADHD*. In Antshel [chair], *Autism and ADHD Co-Occurrence: Developmental Trajectories, Mechanisms, and Intersections*. [Symposium]. 2026 American Professional Society of ADHD and Related Disorders (APSARD) Annual Meeting. San Diego, California.
38. Kuo, Y^g, McEllin, M^{pb}, **Clements, CC.** (2025). *The relationship between ADHD symptom severity and neural response to reward in autistic young adults*. Poster presented at 4th annual meeting of the Fetal, Infant, Toddler Neuroimaging Group (FIT'NG). Dublin, Ireland. **Young Investigator Award to Kuo.**
37. Candy, C^{pb}, Kang, E, **Clements, CC**, Lerner, M, Nelson, B, Gerber, A. (2025). *The relationship between ADHD symptom severity and neural response to reward in autistic young adults*. Poster presented at the 2025 Association for Psychological Science Annual Convention (APS). Washington, D.C.
36. Yu, Z, McEllin, K^{pb}, Kong, N, Kuo, Y^g, Zheng, Z, **Clements, C.C.** (2025). *ePeekaboo: a novel eye-tracking paradigm to track the development of contingency learning and anticipation*. Poster presented at the 24th Annual International Meeting for Autism Research (INSAR). Seattle, W.A.
35. Kuo, Y^g, McEllin, M^{pb}, Wilkinson, CL, Bosquet Enlow, M, Tager-Flusberg, T, Nelson, CA, **Clements, C.C.** (2025). *Developing an Infant Reward Processing Scale from the Infant Behavior Questionnaire – Revised Short Form*. Poster presented at the 24th Annual International Meeting for Autism Research (INSAR). Seattle, W.A.
34. Wyman, A^g, Yu, Y^{pb}, Zhang, J, Herrington, J, Yerys, B, **Clements, C.C.** (2025). *Racial Bias in the ADOS: Comparison of Differential Item Functioning and Moderated Nonlinear Factor Analysis Among More Than 4,000 Participants from NDAR and SSC*. Poster presented at the 24th Annual International Meeting for Autism Research (INSAR). Seattle, W.A. **Top abstract award.**

33. McEllin, K^{pb}, Yu, Y^g, Kaste, J^{ug}, Savino, J^{ug}, Agurcia, S^{ug}, Villano, M, **Clements, C.C.** (2025). *Pressing Forward: Measuring Effort with a Progressive Ratio Task to Activate Music and Bubbles, Suitable for Children 6 Months to 6 Years*. Technology Demonstration presented at the 24th Annual International Meeting for Autism Research (INSAR). Seattle, W.A.
32. McEllin, K^{pb}, Obiajulu, D^{ug}, Holt, G, **Clements, C.C.** (2024). *A novel progressive ratio task to extend the study of effort to infants to improve autism interventions*. Poster presented at the Convention for the Association for Behavioral and Cognitive Therapies (ABCT). Philadelphia, PA.
31. Yu, Y. ^{pb}, Faulk, C., Fulop, L., Benecke, R., Steinbeck, L., Greenberg, R., Foy, J., Kim, C., Emory, G., Storch, E., Zampella, C., Yerys, B., Schultz, R., Parish-Morris, J., Herrington, J., **Clements, C.C.** (2024). Differential Functioning of ADOS-2 Module 3 Items by Race. Poster presented at the 23rd Annual International Meeting for Autism Research (INSAR). Melbourne, Australia.
30. Yu, Y. ^{pb}, Faulk, C., Fulop, L., Benecke, R., Steinbeck, L., Greenberg, R., Foy, J., Kim, C., Emory, G., Storch, E., Zampella, C., Yerys, B., Schultz, R., Parish-Morris, J., Herrington, J., **Clements, C.C.** (2024). An Item Response Theory Examination of Sex Bias in the ADOS-2 Module 3 Algorithm Items. Poster presented at the 23rd Annual International Meeting for Autism Research (INSAR). Melbourne, Australia.
29. Engelstad, A.M. ^g, **Clements, C.C.**, Hyde, C, Wilkinson, C., Jeste, S., Nelson, C.A. (2024). *Intervention-Related Change in EEG Features of Children with Tuberous Sclerosis Complex*. In *Bench to Brain: Using Translational Models Across Species to Study Sensory Processing in Rare* [Symposium]. 56th Gatlinburg Conference. Kansas City, Missouri.
28. **Clements, C.C.**, Obiajulu, D. ^{ug}, Nimblette, M. ^{ug}, Krystkowiak, S. ^{ug}, Nelson, C.A. (2023). *A new passive experimental paradigm to assess anticipation and response to reward using Event-Related Potentials (ERPs) in infants and toddlers (pre-registered report)*. Poster presented at the 2nd Annual Conference of the Fetal, Infant, Toddler Neuroimaging Group (FIT'NG). Santa Rosa, California.
27. Engelstad, A.M. ^g, **Clements, C.C.**, Hyde, C, Said, A.J. ^{pb}, Wilkinson, C., Tager-Flusberg, H., Jeste, S., Nelson, C.A. (2023). *Characterizing the resting state in toddlers with Tuberous Sclerosis Complex*. In **Clements** [chair], *Resting State EEG in Autism and Related Genetic Syndromes* [Symposium]. 22nd Annual International Meeting for Autism Research (INSAR). Stockholm, Sweden.
26. **Clements, CC**, Ascunce, K^{ug}, Nelson, CA. (2023). *The Developmental Six-Component Model of Reward Processing: a reconceptualization & literature review of typical and autistic development*. Poster presented at the 22nd Annual Meeting of International Society for Autism Research (INSAR). Stockholm, Sweden.

25. Xiong, Y, Karlsson, R, Song, J, Kowalec, K, Ruck, C, Jonsson, L, **Clements, CC**, Andersson, E, Boberg, J, Lewis, CM, Sullivan, PF, Landen, M, Lu, Y. (2022). *Investigating genetic overlap between antidepressants and lithium response and treatment resistance in major depressive disorder*. Poster presented at the World Congress of Psychiatric Genetics (WCPG). Florence, Italy.
24. Said, AJ^{pb}, **Clements, CC**, Yankowitz, LD, Tager-Flusberg, H, Nelson, CA, Wilkinson, C. (2022). *Repetitive and Restricted Behaviors During Early Development in Infants at Elevated Likelihood of Autism Spectrum Diagnosis*. Poster and Flash Talk presented at the Annual Meeting of the Society for Developmental and Behavioral Pediatrics (SDBP). Denver, Colorado.
23. **Clements, CC**, Wilkinson, C, Gabard-Durnam, L, Mukerji, C, Ochi, C^{ug}, Hartney, M, Hyde, C, Tager-Flusberg, H, Jeste, S, Nelson, CA. (2022). *Association between the Visual Evoked Potential and autistic symptoms in children with and without Tuberous Sclerosis Complex*. Poster presented at 21st Annual Meeting of International Society for Autism Research (INSAR). Austin, Texas.
22. **Clements, C.C.**, Yerys, B.E., Schultz, R.T., Watkins, M.W. (2020). *DAS-II cognitive profiles do not distinguish children with autism: A ROC analysis*. Poster to be presented at 19th Annual Meeting of International Society for Autism Research (INSAR). Seattle, Washington.
21. Holmes, L. G., **Clements, C.C.**, Zampella, C. J., Maddox, B., Parish-Morris, J., Udhmani, M., Schultz, R. T., Miller, J. S., & McCleery, J. (2019). *Relationship and sexual functioning for autistic adults across the lifespan*. Oral presentation at the annual convention of the Society for the Scientific Study of Sexuality (SSSS) on November 9, 2019.
20. Holmes, L. G., Zampella, C. J., **Clements, C.C.**, Maddox, B., McCleery, J., Parish-Morris, J., Schultz, R. T., & Miller, J. S. (2019). *Sexual and gender minorities with autism report more impaired quality of life: Nuances*. Poster presented at the annual convention of the Association for Psychological Science (APS), Washington DC on May 23, 2019.
19. **Clements, C.C.**, Bertollo, J.R.^{pb}, Yankowitz, L.D., Watkins, M.W., Yerys, B.E., Schultz, R.T. *Does the factor structure of IQ differ between the DAS-II normative sample and autistic children?* (2019). Poster presented at 18th Annual Meeting of International Society for Autism Research (INSAR). Montreal, Canada.
18. Holmes, LG., Zampella, C.J., **Clements, C.C.**, Maddox, B.B., McCleery, J., Parish-Morris, J., Schultz, R.T., and Miller, J.M. (2019). *A lifespan approach to Patient-Reported Outcomes and quality of life for autism using NIH Promis®*. Poster presented at 18th Annual Meeting of International Society for Autism Research (INSAR). Montreal, Canada.
17. **Clements, C.C.**, Bertollo, J.R.^{pb}, Zoltowski, A.R.^{pb}, de Marchena, A., Mitteer, L.M., Zackai, E. H., Emanuel, B., McDonald-McGinn, D. M., Wenger, T.L., Schultz, R.T., Miller, J.S., Ousley, O. (2018). *Profiles of Autistic Symptoms in Individuals with 22q11.2 Duplication or*

Deletion Syndromes, Regardless of Autism Diagnosis. Poster presented at the 17th Annual Meeting of International Society for Autism Research (INSAR). Rotterdam, The Netherlands.

16. Schultz, R.T., **Clements, C.C.**, Miller, J.S., de Marchena, A., Zackai, E. H., Emanuel, B., McDonald-McGinn, D. M., & Wenger, T.L. (2017). *Characterization of Idiopathic Autism and 22q11.2 Syndromic Forms of Autism.* Oral presentation at Society of Biological Psychiatry 72nd Annual Scientific Meeting. San Diego, CA.
<http://dx.doi.org/10.1016/j.biopsych.2017.02.041>
15. **Clements, C.C.**, Wenger, T.L., Miller, J.S., de Marchena, A., Zoltowski, A.^{pb}, DePolo, L.^{pb}, McDonald-McGinn, D. M., Zackai, E. H., Emanuel, B., & Schultz, R.T (2017). *Increased risk of autism among individuals with atypical 22q11.2 deletions or duplication involving COMT and RANBP1.* In **Clements** [chair], *Autism with known genetic associations: implications for 'idiopathic' autism* [Symposium]. 16th Annual International Meeting for Autism Research (IMFAR), San Francisco, CA.
14. Zoltowski, A.^{pb}, **Clements, C.C.**, Yankowitz, L., Schultz, R.T., Herrington, J.D. (2017). *A Functional MRI Meta-Analysis of Reward and Social Motivation Studies of ASD.* Poster presented at the 16th Annual International Meeting for Autism Research (IMFAR), San Francisco, CA.
13. Zoltowski, A.^{pb}, **Clements, C.C.**, Henderson M., Bateman, L., Stein, N., Schultz, R.T. (2017). *The Impact of the Audience Effect and Inattention on Online Vs in-Person IQ Assessment.* Poster presented at the 16th Annual International Meeting for Autism Research (IMFAR), San Francisco, CA.
12. Wenger TL, **Clements CC**, McDonald-McGinn DM, DePolo L.^{pb}, Carey JC, Zoltowski A.^{pb}, Emanuel BS, Zackai EH, Schultz RT. (2017). *Elevated risk of autism spectrum disorder in children with atypical deletions and duplications of 22q11.2 including LCR-A to B vs LCR B to D.* Poster presented at the American College of Medical Genetics (ACMG) Annual Clinical Genetics Meeting. Phoenix, AZ.
11. **Clements, CC**, DePolo, LM.^{pb}, de Marchena, A, McDonald-McGinn, DM, Zackai, EH, Emanuel, BS, Schultz, RT, Miller, J, Wenger, TL. (2016). *22q11.2 Duplication Syndrome: Assessment of Autism Spectrum Disorder, Other Neuropsychiatric Symptoms, and Adaptive Skills.* Poster presented at the 15th Annual International Meeting for Autism Research (IMFAR). Baltimore, MD.
10. Zoltowski, A.^{pb}, **Clements, CC**, Bateman, L, Stein, N, Schultz, RT. (2016). *Online Remote Verbal IQ Testing for Large-Scale Autism Studies and the Issue of Cheating.* Poster presented at the 15th Annual International Meeting for Autism Research (IMFAR), Baltimore, MD.
9. DePolo, LM.^{pb}, Wenger, TL, Miller, J, de Marchena, A, **Clements, CC**, Emanuel, BS, Zackai, EH, McDonald-McGinn, DM, Schultz, RT. (2016). *Community diagnoses of neurodevelopmental and psychiatric issues in children with 22q11.2 Duplication Syndrome.* Oral presentation at the Pediatric Academic Societies Meeting, Baltimore, MD.

8. **Clements, CC**, Bartley, GK, DePolo L^{pb}, Bateman, L^{ug}, Morton, H^{pb}, Parish-Morris, J, Stein, N, Schultz, RT. (2015). *An Online Verbal IQ Test: Development, Validity, and Standardization of an Adaptive Vocabulary Test for Remote Phenotyping*. Poster presented at the 14th Annual International Meeting for Autism Research (IMFAR), Salt Lake City, UT.
7. Dai, Y, Castro, VM, Gupta, S, Hoffnagle, A, **Clements, CC**, Corren, Y, Nock, MK, Reis, B, Perlis, RH, Smoller, JW. (2014). *Use of Electronic Health Records to Predict Suicide Risk*. Poster accepted at the MGH Clinical Research Day, Boston, MA. **Outcomes Research Award**.
6. Dai, Y, McGrath, L, Waxler, J, Oates, J, **Clements, CC**, Weill, S, Hoffnagle, A, Anderson, E, MacRae, R, Mullett, J, Dodd, H, McDougle, C, Poher, B, Smoller, JW. (2014). *Cognitive Contributions to Anxiety in Williams Syndrome*. Poster presented at the Society of Biological Psychiatry 69th Annual Scientific Meeting, New York, NY.
5. **Clements, CC**, Castro, VM, Blumenthal, SR, Rosenfield, HR, Fava, M, Murphy, SN, Erb, JL, Kaimal, AJ, Churchill, SE, Smoller, JW, Kohane, IS, Perlis, RH. (2014). *Prenatal antidepressant exposure is associated with risk for ADHD but not ASD in a large health system*. Poster presented at the 13th Annual International Meeting for Autism Research (IMFAR), Atlanta, GA.
4. **Clements, CC**, Garzarek, J, Macari, S, Campbell, D, Chawarska, K. (2012). *Beyond Pointing: Gesture Profiles in the First year Differentiate Infants with ASD, Language Delays, and Typical Development*. Poster presented at the 11th Annual International Meeting for Autism Research (IMFAR), Toronto, Canada.
3. Castro, VM, **Clements, CC**, Murphy, SN, Gainer, VS, Fava, M, Weilburg, JB, Erb, JL, Churchill, SE, Kohane, IS, Smoller, JW, Iosifescu, DV, Perlis, RH. (2012). *An electronic medical records-based study of antidepressants and QTc prolongation in a large health care system*. Poster presented at the 64th Meeting of the MGH Scientific Advisory Council, Boston, MA. **Poster of Distinction Award**
2. **Clements, CC**, & Hueschen, C. (2011). *Working at the local level*. Symposium presentation at Focus on Rwanda: A Conference on Gender Research and Activism, Kigali, Rwanda.
1. **Clements, CC** (2010). *Beyond pointing: The importance of the 'showing' gesture in distinguishing Autism Spectrum Disorders from language delays at nine months*. Oral presentation at the L. Starling Reid Undergraduate Research Conference at the University of Virginia, Charlottesville, VA.

INVITED TALKS (ACADEMIC AUDIENCE)

Children's Hospital Of Philadelphia, Center for Autism Research
 Boston Children's Hospital, Research EDI Steering Committee

2024
 2022

University of Notre Dame, Department of Psychology	2022
University of Hawaii, Department of Psychology	2022
University of Georgia, Department of Psychology	2022
University of Alabama, Department of Psychology	2021
SUNY Upstate Medical University, Child Psychiatry Grand Rounds	2020
Simons Foundation, Postdoctoral Dinner	2019
US Embassy in Sweden, Fulbright Recognition Ceremony	2018

COMMUNITY TALKS

Supporting Autistic Adults

Healthy Babies, St Joseph County, IN 2024

How ignoring your child could improve your relationship, and other behavior management strategies

Jewish Creative Preschool, Newton, MA 2023

Ellis Early Learning, Jamaica Plain, MA 2023

Cambridge Preschool of the Arts, Cambridge, MA 2022

Coping and Community while Social Distancing

Syracuse Hebrew Day School, Syracuse, NY 2020

TEACHING

Courses

Psychology 30721: Autism Spectrum Disorder 2023

Psychology 43270: Fundamentals of Autism 2024, 2025

Psychology 60320: Assessment I 2024, 2025

Guest Lectures

Introduction to Data 2022

Summer Seminar Series: Laboratories of Cognitive Neuroscience, Boston Children's Hospital

Neurodevelopmental Disorders 2021

Psychology 772: Child & Family Psychopathology & Intervention, University of South Alabama

Understanding Atypical Development: Theories of Autism 2016

Psychology 180: Introduction to Development, University of Pennsylvania

Introduction to Item Response Theory 2015, 2016

Psychology 710: Research Methodology, University of Pennsylvania

Application of Item Response Theory to IQ measurement 2016

Education 768: Measurement Theory and Test Construction, University of Pennsylvania

Early Social Cognition 2014

Psychology 280: Social and Emotional Development, University of Pennsylvania

Teaching Assistant

Psychology 180: Introduction to Development, University of Pennsylvania	2016
Psychology 280: Social and Emotional Development, University of Pennsylvania	2014

MENTORING

Graduate student advisor

Yvonne Kuo (Clinical Science), Notre Dame	2024-
Mikayla McEllin (Clinical Science), Notre Dame	2025-
Chenhao Li (Clinical Science), Notre Dame	2025-

Dissertation Committee

Yeonsoo Park (Clinical Science), Notre Dame	2024
---	------

Doctoral Candidacy Exam Committee

Miguel Blacutt (Clinical Science), Notre Dame	2025
Jake Sauer (Clinical Science), Notre Dame	2025

Senior Thesis Advising

Ava Batz (Psychology), Notre Dame	2025-
Mariela Rodriguez (Neuroscience and Behavior, RAMP scholar), Notre Dame	2025-
Annabella Mayer (Neuroscience and Behavior, Glynn Honors), Notre Dame	2024-
Julia Savino (Neuroscience and Behavior), Notre Dame Universal Scholar Award	2023-2025
Mehrael Atkins (Neuroscience), St. Mary's College	2023-2024
Deborah Obiajulu (Neuroscience, co-advisor), Harvard College	2023-2024

PROFESSIONAL SERVICE

Veldman Family Psychology Clinic Building Committee & Clinic Workflow Group	2024 -
CTSI Global Health Reciprocal Innovation Grant Review Committee	2025
Psychology Faculty Search Committee, Developmental/Cognitive Neuroscience	2024
Harvard Medical School, "Postdoc to PI," <i>Panelist</i>	2022, 2023
BCH Division of Developmental Medicine DEI Journal Club, <i>Chair</i>	2021-2022
Social Sciences and Humanities Research Council, <i>Reviewer</i>	2020
Graduate student representative to faculty	2016-2017

AD HOC PEER REVIEW

Acta Psychologica, Annals of Epidemiology, Autism Research, Biological Psychiatry, Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, Developmental Science, Frontiers in Psychiatry, International Journal of Environmental Research and Public Health, International Journal of Molecular Sciences, JAMA, JAMA Network Open, JAMA Psychiatry, Journal of Autism and Developmental Disorders, Journal of Child Psychology and Psychiatry, Journal of Experimental Psychology, Journal of Neurodevelopmental Disorders, Molecular Autism, Pediatrics, PNAS, Research on Child and Adolescent Psychopathology, Research in Autism Spectrum Disorders, Research in Developmental Disabilities

WORKSHOPS & TRAININGS ATTENDED

Trauma-Focused Cognitive Behavioral Therapy (3-day)	2025
University of Notre Dame	
Incredible Years (5-day)	2024
University of Notre Dame	
Autism Diagnostic Observation Schedule (ADOS-2) Training	2015, 2017
Research Reliability attained with WPS trainer, Modules 1-4	
Exposure and Response Prevention for Pediatric OCD	2017
University of Pennsylvania	
Medical Ethics and the Catholic Intellectual Tradition	2015
Collegium Institute, University of Pennsylvania	
Interface of Psychology, Neuroscience, and Genetics: Summer Genetics Workshop	2015
Washington University	
Multilevel Factor Analysis	2015
Penn Institute of Education Sciences	
Scale Construction and Development	2013
Statistical Horizons	

CLINICAL SERVICES

Notre Dame Veldman Autism Clinic	
Co-Director and co-supervisor	2025 -
Notre Dame Psychological Services Center, Child & Family Clinic	
Outpatient therapist	2023 -
Supervised by Laura Miller-Graff, PhD, HSPP and Donna Armentrout, PsyD, HSPP	
Laboratories of Cognitive Neuroscience, Boston Children's Hospital	
Study Clinician, IDEA Study and ABC-CT Study	2021-2022
SUNY Upstate Medical Center	
Outpatient Clinic, Psychiatry Department	2019-2020
Consultation & Liaison Pediatric Psychiatry Service	2019-2020
Excellence iN Healthcare for Abused and Neglected ChildrEn (ENHANCE) Clinic	2019
Pediatric Psychological Trauma Service	2019
Syracuse University	
Psychological Services Center, therapy practicum	2018-2019
The Children's Hospital of Philadelphia	
Center for Management of ADHD, parent management training practicum	2016-2017
Autism Integrated Care, assessment practicum	2015-2016
Regional Autism Center, assessment practicum	2015
Center for Management of ADHD, assessment practicum	2014
Center for Autism Research, Infant Brain Imaging Study assessment practicum	2013-2014

University of Pennsylvania

Child & Adolescent OCD, Tic, Trich & Anxiety Group (COTTAGE), CBT practicum 2016-2017

Philadelphia Alliance for Child Trauma Services, community evaluation practicum 2015-2016

Psychological Assessment Clinic, Psychology Department, adult assessment practicum 2014

PROFESSIONAL SOCIETIES

Association for Behavioral & Cognitive Therapies (ABCT) 2024 -

Fetal, Infant, and Toddler Neuroimaging Group (FIT'NG) 2023 -

International Congress on Infant Studies (ICIS) 2022 -

Society of Child Clinical and Adolescent Psychology 2019 -

International Society for Autism Research (INSAR) 2011 -