CURRICULUM Vitae

# Jason M. Chein

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**Present Position**

2018- Professor, Department of Psychology

Temple University, Philadelphia, PA

2015- Director, Temple University Brain Research and Imaging Center

Temple University, Philadelphia, PA

**Previous Positions:**

2012-2018 Associate Professor, Department of Psychology

Temple University, Philadelphia, PA

2006-2012 Assistant Professor, Department of Psychology

Temple University, Philadelphia, PA

2006-2013 Visiting Researcher, Center for the Study of Brain, Mind, & Behavior

Princeton University, Princeton, NJ

2004-2005 Postdoctoral Fellow, Center for the Study of Brain, Mind, & Behavior

Princeton University, Princeton, NJ

2002 Adjunct Faculty Member, Department of Biology

Chatham College, Pittsburgh, PA

**Academic History:**

2001-2004 Univ. of Pittsburgh, Pittsburgh, PA

Ph.D., Cognitive Psychology

Center for the Neural Basis of Cognition (Carnegie Mellon Univ./ Univ. of Pittsburgh)

Dissertation: *Evaluating alternative models of working memory with neuroimaging*

1997-2001 University of Pittsburgh, Pittsburgh, PA

M.S., Cognitive Psychology

Center for the Neural Basis of Cognition (Carnegie Mellon Univ./ Univ. of Pittsburgh)

Thesis: *Evidence of a domain general learning network: An FMRI investigation with verbal and nonverbal paired-associates*

1992-1997 Temple University, Philadelphia, PA

B.A., (Summa Cum Laude)

Majors in Psychology & Computer Science, minor in Cognitive Neuroscience

**Awards, and Honors:**

2025 Psychonomic Society Mid-Career Award

2025 Great Teacher Award (Temple University’s highest teaching honor)

2014 Lindback Award for Distinguished Teaching

2010 Temple University Study Leave Award

2008 Temple University College of Liberal Arts Travel Award

2001 Tim Post Award for Research Excellence (University of Pittsburgh)

2001 Temple University Alumni Gallery of Success (Temple University)

2000 Trainee Travel Award, Organization for Human Brain Mapping

1998 Center for the Neural Basis of Cognition Fellowship (National Science Foundation)

1998 National Science Foundation Graduate Student Fellowship, Honorable Mention

1997 College of Arts & Sciences Graduation Ceremony Speaker (Temple University)

1997 President’s Scholar (Temple University)

1997 Phi Beta Kappa National Honor Society

1997 General Alumni Award for Academic Achievement (Temple University)

1997 Clifford M. Kliger Scholarship for Outstanding Work In Psychology (Temple University)

1996 Jerry Zaslow Award for Achievement in Academics and Service (Temple University)

**Professional Activities:**

Editorial Board Member, *Brain and Environment* (2025-present)

Editorial Board Member, *Journal of Cognitive Enhancement* (2023-present)

Member, Institute of Digital Media and Child Development (2015-present)

Associate Editor for *Cognitive Affective & Behavioral Neuroscience*, Springer Press (2014-2020)

Co-author of Amicus Brief to United States Supreme Court in the case of *Wardlow v. Texas* (2020)

*Psychology in the Public Interest*, Editor Search Committee (2018)

Network Scholar, MacArthur Foundation Research Network on Law & Neuroscience (2013-2017)

Communications Officer, Flux Society for Developmental Cognitive Neuroscience (2014-2016)

Ad Hoc Study Section Member, NSF Social, Behavioral and Economic Sciences Directorate Postdoctoral Research Fellowships (SPRF)

Ad Hoc Study Section Member, NIH Exceptional Unconventional Research Enabling Knowledge Acceleration (EUREKA) for Neuroscience and Disorders of the Nervous System

Abstract Reviewer for the *Society for Research in Child Development Biennial Conference* (2017), *Flux Congress for Developmental Cognitive Neuroscience* (2019, 2025), APA Technology Mind & Society (2021,2022), *Society for Neuroscience* (2023, 2024)

*Ad-hoc Journal Reviews: Aging Neuropsychology & Cognition, Cognitive Brain Research, Cerebral Cortex, Cortex, Current Biology,* Current Dir*ections in Psychological Science, Developmental Cognitive Neuroscience, Developmental Review, eLife, European Journal of Cognitive Psychology, Frontiers in Neuroscience, Hormones & Behavior, Human Brain Mapping, Journal of the American Medical Association, Journal of Cognitive Enhancement, Journal of Cognitive Neuroscience, Journal of Cognitive Psychology, Journal of Experimental Psychology: Applied, Journal of Experimental Psychology: Learning, Memory, & Cognition; Journal of Intelligence, Journal of Memory and Applied Cognition; Journal of Neuropsychology; Journal of Research on Adolescence; Nature Neuroscience, Neuroimage, Neuropsychologia, PLOS, Psychological Review, Psychological Science, Psychonomic Bulletin and Review, Schizophrenia Bulletin, Social Cognitive & Affective Neuroscience, Trends in Cognitive Science*

*Current and Previous Society Memberships:* American Psychological Association*,* Psychonomic Society, Flux Society for Developmental Cognitive Neuroscience, American Psychology Society, Cognitive Neuroscience Society, Society for Neuroscience, Organization for Human Brain Mapping, Society for the Teaching of Psychology (APA Division 2)

**Active Research Support**

NIH R01 HD098097 (PI: **Chein,** $1,938,224) 09/01/2021-08/31/2026

Origins and Outcomes of Smartphone and Social Media Habits Across Development

Role: **Principal Investigator**

**Past Research Support**

NIH R01HD098097-03S1 Diversity Supplement (PI: **Chein**, $129,874) 09/01/2023-08/31/2025

Diversity Supplement for Origins and Outcomes of Smartphone and Social Media Habits

Role: **Principal Investigator**, Project Mentor

NIH R01 DC013063 (PI: Reilly, $470,000, Methodological Supplement) 02/1/2021-01/31/2024

*Early Detection and Treatment of Emerging Cognitive-Linguistic Impairment in Minority Cognitive Aging and Primary Progressive Aphasia*

Role: Co-Investigator

Woodcock Institute (PI: **Chein**, $15,000) 06/01/2023-05/31/2024

Neural Integration vs Differentiation of Fearful Memories during Targeted Memory Reactivation

Role: **Principal Investigator**

PA Dept of Health (PACURE) (PI: Fossati, $3,822,700, **Chein** site PI) 07/15/2020-06/30/2024

Vascular contributions to mechanisms and biomarkers of Alzheimer’s disease

Role: Co-Investigator

*PENN URF (PI: Bredemeier) 3/1/2020-2/28/2022*

*Enhancing Working Memory to Reduce Undesirable and Persistent Thoughts (ERUPT): Development of an Adjunctive, Transdiagnostic Intervention*

Role: Consultant

NIH R01 MH109520 (PI: Cole, $1,250,000) 02/01/2016-1/31/2021

Brain Network Mechanisms of Instructed Learning

Role: Collaborator/Consultant

NIH R21 DA043568 (PI: Murty, $408,521) 06/01/2019-05/31/2021

Influence of reward on memory consolidation in adults and adolescence

Role: Co-Investigator

NIH R01 AA024433 (PI: Hicks, $2,416,589) 7/01/2017-6/30/2022

Developmental and peer effects on the neurobiology of cognitive control and reward processes

Role: Co-Investigator

NIH R01 MH107495-01 (PI: Olino, $3,211,838) 4/1/2016-1/31/2022

*Developmental changes in reward responsiveness: Associations with depression risk markers*

Role: Co-Investigator

NIH R21 (PI: McCloskey, $275,000) 6/1/2019-5/30/2021

*Vascular contributions to mechanisms and biomarkers of Alzheimer’s disease*

Role: Co-Investigator

NIH R03 DA046733 (PI: Smith, $228,736) 05/01/2019 – 04/30/2020

Aberrant Reward Sensitivity: Mechanisms Underlying Substance Use

Role: Co-Investigator

TU Young Scholars Interdisciplinary Forum (PI: **Chein**/Venkatraman, $5800) 5/1/2019-4/30/2020

Risky Choice After Described and Experienced Information

Role: Co-**Principal Investigator**

TU OVPR Targeted Grant Program (PI: **Chein**/Venkatraman, $10,000) 3/1/2018-2/28/2020

Individual and age difference in the D-E gap

Role: Co-**Principal Investigator**

NSF BCS-1531616 (PI: **Chein**, $2,371,484) 9/1/2015-8/31/2018

MRI: Acquisition of a 3-Tesla Magnetic Resonance Imaging Scanner for Human Brain Imaging

Role: **Principal Investigator**

NIH R01 [AA020006](https://commons.era.nih.gov/commons/genericStatus.do?actionRole=nonPI&applID=8024909&uhf-token=kjCHcXZ9U4p79lrQqgMSEzAs0Bc%3D) (PI: **Chein**, $1,719,938) 2/10/2011-1/31/2017

Combined Effects of Alcohol and Peer Context on Youth Risk Taking

Role: **Principal Investigator**

NIH R01 MH077908-06 (PI: Alloy, $3,232,473) 8/01/2006-6/30/2018

Risk for Bipolar Disorder: Reward-related Brain Function & Social Rhythms

Role: Co-Investigator

TU Young Scholars Interdisciplinary Forum (PI: **Chein**/Venkatraman, $2500) 5/1/2016-4/30/2017

Risky Behavior in Adolescents - Mechanisms and Policy Implications

NIH R21 DA031436 (PI: **Chein**, $420,729) 5/1/2012-4/30/2015

Improving Adolescent Decision Making Through Cognitive Control Training

Role: **Principal Investigator**

ARMY/ MRMC: W81XWH-12-2-0124 (PI: Steinberg, $529,147) 9/30/2012-9/29/2016

Group Influences on Young Adult Warfighters’ Risk-Taking

Role: Co-Investigator

TU Young Scholars Interdisciplinary Forum (PI: **Chein**/Venkatraman, $4000) 1/1/2014-12/31/2015

Risky Behavior in Adolescents - Mechanisms and Policy Implications

ONR N00014-11-1-0399 (subcontract PI: **Chein**, $172,408) 6/1/2011-5/31/2014

Building Cognitive Brain Networks Through Intense Brain Fitness Training

Role: **Principal Investigator** (subcontract)

NSF SLC SBE-0541957 (PI: Newcombe, $15,396,421) 9/23/2006-9/22/2016

Spatial Intelligence and Learning Center

Role: Co-Investigator

APA 290079 (PI: **Chein**, $1000) 11/1/2011-10/31/2012

Influences of Task-Demands and Strategy on the Focus of Attention

Role: **Principal Investigator**

NIH R21 DA022546-01 (PI: Steinberg, $999,315) 9/30/2006 - 8/31/2012

Peer Effects on the Neural and Behavioral Markers of Risk-Taking in Adolescence

Role: Co-Investigator

NIH R01 MH059256-06 (PI: Fiez, $1,469,319) 6/1/2000 -12/31/2010

Articulatory/Phonological Processes in Working Memory

Role: Consultant

NSF IIS-0237921 (PI: Megalooikonomou, $1,284,246) 9/1/2003 – 8/31/2008

Extracting Patterns from Medical Image Databases

Role: Co-Investigator

ARMY/Center for Advanced Study of Language (PI: Schneider, $300,000) 9/1/2010-12/31/2011

Brain Fitness Training for Foreign Language Learning

Role: Consultant

**Manuscripts in Preparation:**

\*Beard, L, Venkatraman, V, & **Chein, J** (in preparation). Neural mechanisms underlying the description-experience gap in risky decision making.

Cowan, E.T., †Tanriverdi, B., Olson, I.R., Murty, V., Chein., J. (in preparation). Repetition facilitates differentiation of hippocampal neural representations

†Skalaban, L, \*Murray, A, & **Chein, J.** (in preparation). Coordinate-based meta-analysis of brain regions associated with variation in digital media technology habits.

**Chein, J**, \*Zaneski, L, \*Zweben, D., and \*Chiu, M. (in preparation). On the relationship between digital media technology habits and risk behavior.

\*Chiu, M & **Chein, J** (in preparation). Association of smartphone use with common and social facets of self-regulatory control.

\*Tanriverdi, B, \*Green, H, & **Chein J** (in preparation). Resistance to social pressure is linked to decreased digital media usage and better mental wellbeing.

**Manuscripts Under Review or In Revision:**

(\*Denotes student author, †denotes post-doctoral author)

\*Martinez, S, \*Bishop, O, **Chein, J** (under review). Who shares misinformation in the post-truth world?

\*Seitz, K., Carroll, A. L., Insel, C., Bart, C. P., Ng, T. H., Titone, M. K., **Chein, J**., Alloy, L. B., & Nusslock, R. (under review). Lower reward network connectivity is a trait-like vulnerability for bipolar spectrum disorders.

\*Samper, J, \*Zweben, D, & **Chein, J** (invited revision, under review). Understanding the determinants of the irrelevant sound effect: an analysis of task, task features, sound variability, and strategy use. *Journal of Experimental Psychology: Learning, Memory, and Cognition*

\*Brucato, M, **Chein, J**, Newcombe, N (invited revision, under review). Spatial Perspective Taking is Distinct from Cognitive and Affective Perspective Taking.

\*Martinez, S, Murty, V., Helion, C., **Chein, J.** (under review). Why we scroll: Neurobehavioral mechanisms of social media scrolling behavior

Capraro, V., Globig, L., Rausch, Z., Rathje, S., Wormley, A.,…**Chein, J.,** ... & Van Bavel, J. J. (under review). A consensus statement on potential negative impacts of smartphone and social media use on adolescent mental health.

\*Brucato, M, Newcombe, N, & **Chein, J** (invited revision). A systematic ALE meta-analysis of spatial, cognitive, and affective perspective taking and dorsal attention.

**Peer-Reviewed Publications:**

(\*Denotes student author, †denotes post-doctoral author)

\*Mattoni, M., Smith, D., **Chein, J**., Olino, T. (in press). Functional Connectivity Heterogeneity and Consequences for Clinical and Cognitive Prediction*: Stage 2 registered report. Imaging Neuroscience 2025,3*[*https://doi.org/10.1162/IMAG.a.107*](https://doi.org/10.1162/IMAG.a.107)

\*Martinez, S, \*Cliver, K, \*Mitchell, B, \*Schmidt, H, \*Ulichney, G, Helion, C, **Chein,** J, Murty, V. (Feb, 2025) Linguistic properties of memory expression influence perceptions of veracity, despite being unrelated to memory accuracy. *Psychonomic Bulletin & Review* (online ahead of print).

\*Mattoni, M., Fisher, A. J., Gates, K. M., **Chein, J.,** & Olino, T. M. (Feb, 2025). Group-to-Individual Generalizability and Individual-Level Inferences in Cognitive Neuroscience. Neuroscience & Biobehavioral Reviews, (169), 106024.

**Chein, J. M**., Martinez, S. A., & Barone, A. R. (Dec, 2024). Human intelligence can safeguard against artificial intelligence: Individual differences in the discernment of human from AI texts. *Scientific Reports*, *14*(1), 25989.

\*Hoffman, L, \*Foley, J, \*Tanriverdi, B, **Chein, J**, & Olson, I (May, 2024). Awake Targeted Memory Reactivation Doesn’t Work. *Memory & Cognition.* https://doi.org/10.3758/s13421-024-01576-x

\*Beard, E, Venkatraman, V & **Chein, J** (Apr, 2024). Neurodevelopmental Theories of Adolescent Decision Making: Overview and Implications for Consumer Behavior. *Journal of Applied Consumer Research, 9(2), 131–142.*

Hutton, J.S., Piotrowski, J.T., Bagot, K., Blumberg, F., Canli, T., **Chein, J.**, Christakis, D.A., Grafman, J., Griffin, J.A., Hummer, T., Kuss, D., Lerner, M.D., Marcovitch, S., Paulus, M.P., Perlman, G., Romeo, R., Thomason, M.E., Turel, O., Weinstein, A., West, G., Hurst-Della Pietra, P., Potenza, M.N. (Mar, 2024). Digital Media and Developing Brains: Concerns and Opportunities. *Current Addiction Reports, 11, 287-298.*

\*Tanriverdi, B, Cowan, E, \*Metoki, A, \*Jobson, K, Murty, V, **Chein, J**, & Olson, I (Sep, 2023). Awake Hippocampal-Cortical Co-reactivation Is Associated with Forgetting, *Journal of Cognitive Neuroscience,* 35(9), 1446-1462.

\*Carroll, A, \*Damme, KSF, Alloy, LB, \*Bart, CP, \*Ng, T, \*Titone, M, **Chein, J**, Cichocki, A, Armstrong, CA, Nusslock, R (Nov, 2022). Risk for Bipolar Spectrum Disorders Associated with Positive Urgency and Orbitofrontal Cortical Grey Matter Volume. *Neuroimage: Clinical, 36, 103225.*

\*Haupt, M., \*Weiss, S., \*Chiu, M. Cuomo, R., **Chein, J.,** McKay, T (Feb, 2022). Psychological and Situational Profiles of Social Distance Compliance during COVID-19. *Journal of Communication in Healthcare*, 15(1), 44-53*.* [*doi.org/10.1080/17538068.2022.2026055*](https://doi.org/10.1080/17538068.2022.2026055)

\*Damme, K.S.F.,Alloy, L., \*Kelly, N., \*Carroll, A., \*Young, C.B., **Chein, J.,** \*Ng, T., \*Titone, M.E., \*Bart, C.E., & Nusslock, R., et al. (March, 2022) Bipolar Spectrum Disorders are Associated with Increased Gray Matter Volume in the Medial Orbitofrontal Cortex and Nucleus Accumbens.*Special Issue: JCPP Advances.* e12068.

\*Bart, C. P., Nusslock, R., \*Ng, T. H., \*Titone, M. K., Carroll, A. L., \*Damme, K. S., ... & Alloy, L. B. (Nov, 2021). Decreased reward-related brain function prospectively predicts increased substance use. *Journal of Abnormal Psychology*, 130(8), 886.

\*Samper, J, Morrison, A, & **Chein, JM.** (Sept, 2021)**.** Doubts about the role of rehearsal in the irrelevant speech effect. *Experimental Psychology,* 68(5):229-242.

\*Rosenbaum, G., Venkatraman, V., Steinberg, L., **Chein, J.** (August, 2021). Do adolescents always take more risks than adults? A within-subjects developmental study of context effects on decision making and processing. *PLOS One.* [*https://doi.org/10.1371/journal.pone.0255102*](https://doi.org/10.1371/journal.pone.0255102)

\*Sazhin, D., Frazier, A., Haynes, C., Johnston, C., Ka-Yi Chat, I., Dennison, J., Bart, C., McCloskey, M., **Chein, J.,** Fareri, D., Alloy, L., Jarcho, J., Smith, DV. (Oct, 2020). The Role of Social Reward and Corticostriatal Connectivity in Substance Use. *Journal of Psychiatry and Brain Science, 5 e200024.*

\*Damme, K., Alloy, L., \*Young, C., \*Kelley, N., **Chein, J.,** \*Ng, T., \*Titone, M., \*Black, C., Nusslock, R. (August, 2020). Amygdala subnuclei volume in bipolar spectrum disorders: Insights from diffusion‐based subsegmentation and a high‐risk design. *Human Brain Mapping*, *41*(12), 3358-3369

\*Silva, K., **Chein, J.,** & Steinberg, L. (January, 2020). The influence of romantic partners on male risk-taking. *Journal of Social and Personal Relationships*. Advance online publication. DOI: 10.1177/0265407519899712

†Sherman, L., \*Smith, A., \*Rosenbaum, G., \*Botdorf, M., \*Patrianakos, J., McCloskey, M., Steinberg, L., & **Chein, J.** (August, 2019). The Interactive Effects of Peers and Alcohol on Functional Brain Connectivity in Young Adults. *Neuroimage*, 197, 264-272.

\*Wilmer, H.H., \*Hampton, W., Olino, T., Olson, I., & **Chein, J.M**. (2019) Wired to be connected? Links Between Mobile Technology Engagement, Intertemporal Preference, and Frontostriatal White Matter Connectivity. *Social Cognitive Affective Neuroscience*, 14(4), 367-379.

Green, CS, Bavelier, D, Kramer, AF, Vinogradov, S, Ansorge,, U, Ball,, KK, Bingel,, U, **Chein, JM**, et al. (2019). Improving Methodological Standards in Behavioral Interventions for Cognitive Enhancement. *Journal of Cognitive Enhancement*. 3(1), 2-29. DOI: 10.1007/s4146

\*Icenogle, G., Steinberg, L., Duell, N., **Chein, J.** et al. (2019). Adolescents’ Cognitive Capacity Reaches Adult Levels Prior to Their Psychosocial Maturity: Evidence for a “Maturity Gap” in a Multinational Sample. *Law & Human Behavior. 43(1),* 69 – 85.

†Sherman, LE; Steinberg, L., & **Chein, JM** (2018). Connecting Brain Responsivity and Real-World Risk-Taking: Strengths and Limitations of Current Methodological Approaches. *Developmental Cognitive Neuroscience, 33*, 27-41.DOI: 10.1016/j.dcn.2017.05.007

Duell, N., Icenogle, G., Silva, K., **Chein, J.,** Steinberg, L., Banich, M., et al. (2018). A Cross-Sectional Examination of Response Inhibition and Working Memory on the Stroop Task. *Cognitive Development.* 47, 19-31.

Breiner, K., Li, A., Cohen, A, Steinberg, L., Bonnie, RJ., Scott, ES, Taylor-Thompson, K., Rudolph, M., **Chein, JM**., Richeson, J., Dellarco, D., Fair, D., Casey, BJ., & Galván, A. (2018). Combined effects of peer presence, social cues and rewards on cognitive control in adolescents. *Developmental Psychobiology,* 60(3), 292-302.

\*Duell, N., Steinberg, L., \*Icenogle, G., **Chein, J.**, et al., (2018). Age Patterns in Risk Taking Across the World. *Journal of Youth and Adolescence,* 47(5), 1052-1072.

\*Smith, A., \*Rosenbaum, G., \*Botdorf, M., Steinberg, L., & **Chein, J.** (2018). Peers Influence Adolescent Reward Processing, But Not Response Inhibition. *Cognitive Affective Behavioral Neuroscience, 18(2), 284-295. DOI 10.3758/s13415-018-0569-5*

\*Rosenbaum, G., Venkatraman, V., Steinberg, L., & **Chein, J.** (2018). The Influences of Described and Experienced Information on Adolescent Risky Decision-Making. *Developmental Review,* 47, 23-43. [doi.org/10.1016/j.dr.2017.09.003](https://doi.org/10.1016/j.dr.2017.09.003)

Steinberg, L., \*Icenogle, G., †Shulman, E.P., \*Breiner, K., **Chein, J.**, et al. (2018). Around the World, Adolescence is a Time of Heightened Reward Seeking and Immature Self-Regulation: Implications for Preventing Risky Behavior. *Developmental Science, 21(2), e12532.*  DOI: 10.1111/desc.12532

\*Rosenbaum, G., Botdorf, MA., Steinberg, L., & **Chein, JM.** (2017). Working Memory Training in Adolescents Decreases Laboratory Risk Taking in the Presence of Peers. *Journal of Cognitive Enhancement, 1(4), 513-535.*

\*Wilmer, HH, †Sherman, LE, & **Chein, JM**. (2017). Smartphones and Cognition: A review of research exploring the links between mobile technology habits and cognitive functioning. *Frontiers in Psychology, 8, 605.* DOI: 10.3389/fpsyg.2017.00605

\*Icenogle, G., Steinberg, L., Olino, T., **Chein, J.** †Shulman, et al. (2017). Puberty Predicts Approach but not Avoidance Behavior on the Iowa Gambling Task. *Child Development,* 88(5), s 1598–1614*.* DOI: 10.1111/cdev.12655

\*Silva, K., **Chein, J.**, & Steinberg, L. (2017). Joint Effects of Peer Presence and Fatigue on Risk and Reward Processing in Late Adolescence. Journal of Youth and Adolescence. 46, 1878–1890. DOI 10.1007/s10964-017-0690-8

\*Botdorf, M., \*Rosenbaum, G., \*Patrianakos, J., Steinberg, L., & **Chein, J.** (2017). Adolescent Risk-Taking is Predicted by Individual Differences in Cognitive Control over Emotional, but Not Non-Emotional, Response Conflict. *Cognition & Emotion, 31(5), 972-979.* DOI 10.1080/02699931.2016.1168285

\*Rudolph, \*Miranda-Dominguez, \*Cohen, \*Breiner, Steinberg, Bonnie, Scott, Taylor-Thompson, **Chein**, \*Fettich, Richeson, \*Dellarco, Galván, Casey, & Fair (2017). At risk of being risky: the relationship between “brain age” under emotional states and risky behavior. *Developmental Cognitive Neuroscience, 24, 93-106.*

\*Wilmer, H. & **Chein, J.** (2016). Mobile Technology Habits – Patterns of Association Among Device Usage, Intertemporal Preference, Impulse Control, and Reward Sensitivity. *Psychonomic Bulletin & Review,* 23(5), 1607-1614.

\*Duell, N., Steinberg, L., **Chein, J.**, et al. (2016). Interaction of Reward Seeking and Self-Regulation in the Prediction of Risk Taking: A Cross-National Test of the Dual Systems Model. *Developmental Psychology*, 52(10), 1593-1605.

\*Silva, K., †Shulman, E., **Chein, J.**, & Steinberg, L. (2016). Peers Increase Adolescents’ Exploratory Behavior and Sensitivity to Positive and Negative Feedback. *Journal of Research on Adolescence 26(4), 696-705.. doi: 10.1111/jora.12219*

\*Morrison, A.M., \*Rosenbaum, G.R., Fair, D.A., & **Chein, J.M**. (2016). Variation in Strategy Use Across Measures of Verbal Working Memory. *Memory & Cognition, 44,* 922-936*.*

\*Cohen, A., \*Briener, K., Steinberg., L., et al. (2016). When Is an Adolescent an Adult? Assessing Cognitive Control in Emotional and Nonemotional Contexts. *Psychological Science, 27(4), 549-562.*

†Shulman, E., \*Smith, A., \*Silva, K., \*Icenogle, G., \*Duell, N., **Chein, J.**, & Steinberg, L. (2016). The Dual Systems Model: Review, Reappraisal, and Reaffirmation. *Developmental Cognitive Neuroscience,* 17, 103-117.

\*Cohen, A., Dellarco, D., \*Breiner, K., et al. (2016). The Impact of Emotional States on Cognitive Control Circuitry and Function. *Journal of Cognitive Neuroscience*, 28(3), 446-459. doi:10.1162/jocn\_a\_00906

\*Silva, K., **Chein, J.M**., & Steinberg, L. (2016). Adolescent Peer Groups Make More Prudent Decisions in the Presence of a Slightly Older Adult. *Psychological Science.* *doi:10.1177/0956797615620379*

†Shulman, E., Harden, P., **Chein, J.,** and Steinberg, L. (2015). Sex Differences in the Developmental Trajectories of Impulse Control and Sensation-Seeking from Early Adolescence to Early Adulthood. *Journal of Youth and Adolescence,* 44, 1-17. DOI 10.1007/s10964-014-0116-9

Steinberg, L., & **Chein, J. M**. (2015). Multiple accounts of adolescent impulsivity. *Proceedings of the National Academy of Sciences*, *112*(29), 8807-8808.

\*Smith, A., Steinberg, L., & **Chein, J.** (2015). Age Differences in the Impact of Peers on Adolescents’ and Adults’ Neural Response to Reward. *Developmental Cognitive Neuroscience,* 11, 75-82. doi:10.1016/j.dcn.2014.08.010

†Shulman, E. P., Harden, K. P., **Chein, J. M.** and Steinberg, L. (2014), The Development of Impulse Control and Sensation-Seeking in Adolescence: Independent or Interdependent Processes?. Journal of Research on Adolescence. doi: 10.1111/jora.12181

\*Blacker, K., Curby, K., \*Klobusicky, E., & **Chein, J.** (2014). The Effects of Action Video Game Training on Visual Working Memory. *Journal of Experimental Psychology: Human Perception and Performance,* *40(5),1992-2004. doi: 10.1037/a0037556*

\*Richmond, L., Wolk, D., **Chein, J.,** Olson, I. (2014). Transcranial Direct Current Stimulation (tDCS) Enhances Verbal Working Memory Performance Over Time and Near Transfer Outcomes. *Journal of Cognitive Neuroscience,* 26(11), 2443–2454.

\*Smith, A., Steinberg, L., & **Chein, J.** (2014). The Role of the Anterior Insular Cortex in Adolescent Decision Making. *Developmental Neuroscience*, 2014; 36(3-4):196-209. doi: 10.1159/000358918

\*Smith, A., **Chein, J.**, & Steinberg, L. (2014). Peers increase adolescent risk taking even when the probabilities of negative outcomes are known. *Developmental Psychology*, 50(5),1564-8. doi: 10.1037/a0035696.

\*Morrison, A., Conway, A., & **Chein, J.** (2014). Primacy and Recency Effects as Indices of the Focus of Attention. *Frontiers in Human Neuroscience*, 24(8), 6. doi: 10.3389/fnhum.2014.0000

Logue, S. **Chein, J.**, Gould, T, Holliday, E., & Steinberg (2014). Adolescent mice, unlike adults, consume more alcohol in the presence of peers than alone. *Developmental Science*, 17(1), 79-85

\*Weigard, A., **Chein, J.,** \*Smith, A., \*Albert, D., & Steinberg, L. (2014). Effects of Anonymous Peer Observation on Adolescents’ Preference for Immediate Rewards. *Developmental Science*, 17(1), 71-78.

**Chein, J.M.,** & Weisberg, R.W. (2013). Working memory, insight, and restructuring in verbal problems: Analysis of compound remote associate problems. *Memory & Cognition*, doi:10.3758/s13421-013-0343-4

\*Smith, A. **Chein, J.,** & Steinberg (2013). Impact of socio-emotional context, brain development, and pubertal maturation on adolescent decision-making. *Hormones and Behavior, 64(2), 323-332.*

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\*Eagan, D.E. & **Chein, J.M.,** (2012). Overlap of phonetic features as a determinant of the between-stream phonological similarity effect. *Journal of Experimental Psychology; Learning Memory & Cognition*, *38(2):473-81.*

\*Richmond, L., \*Morrison, A., **Chein, J.,** & Olson, I. (2011). Complex working memory span training in older adults. *Psychology and Aging, 26(4):813-22.*

\*O’Brien, L., \*Albert, D., **Chein, J.M.,** & Steinberg, L. (2011). Adolescents prefer more immediate rewards when in the presence of their peers. *Journal of Research on Adolescence, 21(4), 747-753.*

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\*Berryhill, M.E., **Chein, J.M.,** & Olson, I.R. (2011). At the intersection of attention and memory: the mechanistic role of the posterior parietal lobe in working memory. *Neuropsychologia, 49(5), 1306-1315.*

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**Chein, J.M.**, \*Moore, A.B., & Conway, A.R.A. (2011). Domain general mechanisms of complex working memory span. *Neuroimage, 54*, 550-559.

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**Chein, J.M.** & \*Morrison, A.B. (2010). Expanding the mind’s workspace: Training and transfer effects with a complex working memory span task. *Psychonomic Bulletin & Review, 17(2), 193-199.*

**Chein, J.M.**, & Fiez, J.A. (2010). Evaluating models of working memory: FMRI and behavioral evidence on the effects of concurrent irrelevant information. *Journal of Experimental Psychology: General, 139(1), 117-137.*

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Schneider, W. & **Chein, J.M.** (2003). Controlled and automatic processing: Behavior, theory, & biology. *Cognitive Science*, 27, 525-559.

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**Book Chapters:**

\*Chiu, M. & **Chein, J.M.** (2022). Digital media and the developing brain, in the Handbook of Adolescent Digital Media Use and Mental Health. Mitch Prinstein, Jacqueline Nesi, and Eva Telzer (Eds.). Cambridge University Press, UK.

Jarcho, J. M., **Chein, J. M**., Guyer, A. E., Sullivan, R. M., Van Wingerden, M., eds. (2020). Social and Non-Social Reward: Neural Mechanisms Implicated in reward processing across domains and contexts. Frontiers Media SA. doi: 10.3389/978-2-88963-942-7.

**Chein, J.**, (2015). Peers and Adolescent Risk Taking, in *Emerging Trends in the Social and Behavioral Sciences*. Robert Scott and Stephen Kosslyn (eds.), Hoboken, NJ: John Wiley and Sons.

Moscovitch, M., **Chein, J.,** Talmi, D., & Cohn, M. (2007). Learning, Memory, & Knowledge. In *Cognition, Brain, & Consciousness.* B. Baars & N. Gage (Eds.). Elsevier Science, Amsterdam.

**Chein, J.M.,** St. James, J.D., & Schneider, W. (2005). Working memory and fMRI. In *PsychMate: A Student Guide to Experimental Psychology*. J. St. James and W. Schneider (Eds.). PST, Pittsburgh.

**Chein, J.M.** & Schneider, W. (2003).  Designing effective FMRI experiments.  In *The Handbook of Neuropsychology*, Vol. 9. J. Grafman and I. Robertson (Eds.).  Elsevier Science, Amsterdam.

**Colloquia, conference presentations, and invited addresses:**

(\*Denotes student author, †denotes post-doctoral author)

\*Vince, M., \*Zweben, D., \*Lee, K., \*Hoang, B., \*Cardona, A., Chein, J. (Nov, 2025). The Role of Sleep and Physical Health in the Relationship Between Cognitive Functioning and Digital Engagement in Children. Poster presentation accepted for the upcoming annual meeting of the Psychonomics Society, Denver.

\*Lee, K., \*Zweben, D., \*Vince, M., \*Dachs, A., \*Hu, L., Chein, J. (Nov, 2025). Substance-Specific Cognitive Mechanisms Underlying Drug and Alcohol Use Across Development in a Low-Use Sample. Poster presentation accepted for the upcoming annual meeting of the Psychonomics Society, Denver.

\*Zweben, D., \*Samper, J., Chein, J. (Nov, 2025). Task and Strategic Determinants of the Irrelevant Sound Effect. Spoken presentation accepted for the upcoming annual meeting of the Psychonomics Society, Denver.

\*Martinez, S. \*Dow, K., \*Zweben, D., Helion, C., Chein, J., Murty, V. (Nov, 2025). Individuals who doomscroll report more addictive-like motivations when scrolling. Poster presentation accepted for the upcoming annual meeting of the Psychonomics Society, Denver.

\*Hu, L., \*Zweben, D., and Chein, J. (Nov, 2025). Cumulative Impacts of Smartphone Use on Cognitive Control and Human Brain White-Matter Connectivity. Poster presentation accepted for the upcoming annual meeting of the Society for Neuroscience, San Diego.

\*Wang, S., \*Sharp, C.J., \*Yang, Y., \*Kos, M., Fareri, D., Chein, J., Smith, D. (Nov, 2025). Striatal response during reward sharing predicts how the processing of trust reciprocation is influenced by social closeness and subclinical depression. Poster presentation accepted for the upcoming annual meeting of the Society for Neuroscience, San Diego.

\*Langer, A., \*Martinez, S., Marshall, P., Chein, J. (July, 2025). Children’s Susceptibility to Content Generated by Artificial Intelligence. Presentation at the 2025 Digital Media and Developing Minds International Scientific Congress, Washington, DC.

\*Pawar, T., \*Hu, L., Vince, M., \*Zweben, D., Chein, J. (May, 2025). Associations Between Cumulative Smartphone Use and White Matter Microstructure Underlying Cognitive Control. Poster presented at the annual meeting of the Philadelphia Chapter of the Society for Neuroscience, Philadelphia.

\*Brooks-Justice, J., \*Green, H., Chein, J (April, 2025). Connected or Consumed: The role of social and parasocial media platforms in adolescent risk behavior. Poster presented at the annual Symposium for Undergraduate Research and Creativity, Temple University, Philadelphia.

\*Zweben, D., \*Chaturvedi, N., \*Adogli, Z., **Chein, J.,** Kougan, N., Anderson, Z., Nusslock, R., & Alloy, L. B. (Nov, 2024). The relationship between reward processing, depression symptoms, and social media use in adolescents. Poster presentation at the Association for Behavioral and Cognitive Therapies (ABCT) 58th Annual Convention in Philadelphia, PA.

\*Tanriverdi, B., †Skalaban, L., \*Gregory, D. F., Olson, I. R., **Chein, J.** & Murty, V. P. (Oct, 2024). *Early Neural Predictors of Threat-Related Long-Term Memory Reinstatement in Hippocampus.* Poster presented at the Society for Neuroscience (SfN), Chicago, IL.

\*Tanriverdi, B., \*Green, H., \*Zweben, D., \*Martinez, S., †Skalaban, L., **Chein, J.** (Oct, 2024) Lower Sensitivity to Social Pressure is Associated with Lower Engagement with Digital Media and Better Mental Well Being. [Poster presentation] Society for Neuroscience 27th annual meeting 2024 Chicago, IL.

†Skalaban, L.J.,**\***Murray, A.A., & **Chein, J.** (Sept, 2024). *Imaging digital media: a neuroimaging meta-analysis*. Accepted as a poster presentation at FLUX Congress Baltimore, MD.

\*Green, H., \*Tanriverdi, B., \*Zweben, D., \*Martinez, S., †Skalaban, L., **Chein, J.** (Sept., 2024) Sensitivity to Social Pressure is Associated with Digital Media Engagement and Better Mental Wellbeing in adults, but Not Adolescents. [Poster presentation] Flux: The Society for Developmental Cognitive Neuroscience 2024, Baltimore, MD.

Invited Panelist (April, 2024). **Chein,J.** NIH Workshop on Technology and Digital Media, Assessing the Short- and Long-Term Effects of Technology and Digital Media

\*Tanriverdi, B., \*Gregory, D.F., †Skalaban, L., Olson, I. R., **Chein, J.**, & Murty, V. P. (April, 2024). *Threat-Related Long-Term Memory Reinstatement in Hippocampus*. Poster presentation at The Cognitive Neuroscience Society 31st Annual Meeting, Toronto, Ontario, Canada.

\*Martinez, S., \*Barone, A., **Chein, J.** Do digital media habits impact the ability to distinguish between human and AI materials? (2024, April). Poster presented at the Social & Affective Neuroscience Society Annual Conference, Toronto, Canada.

\*Chaturvedi, N., \*Zweben D., \*Martinez, S., & **Chein, J.,** (2024, April). Cognitive Functioning, Wellbeing, and Technology Use: Varied Associations with Problematic Use, Social Media, and Objective Measures. Poster presented at the Philadelphia Chapter of the Society for Neuroscience in Philadelphia, PA

\*Zweben D., \*Chaturvedi, N., \*Martinez, S., & **Chein, J.,** (2024, February 29th). *Neuroaffective factors of social media: Reward sensitivity, executive control, and wellbeing*. Poster presented at the Eastern Psychological Association Convention in Philadelphia, PA

\*Martinez, S., \*Barone, A., **Chein, J.** Are we capable of detecting human/AI differences? Or can AI really fool us? (October, 2023). Poster presented at the University of North Carolina Social Media Scientists’ Retreat, Chapel Hill, North Carolina.

\*Bishop, O., Chiu, M., Chein, J. Fake News Belief and Engagement Behaviors in a Media Savvy Population (2022). Poster presented at the 63rd annual meeting of the Psychonomic Society.

\*Martinez, S., **\***Cliver, K., \*Mitchell, WJ., Helion, C., **Chein, J.,** & Murty, V.P. Learning Goals Drive Retroactive Memory Enhancements for a Real-Life Experience. (2022). *Data Blitz at the* *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.

\*Martinez, S., **\***Cliver, K., \*Mitchell, WJ., Helion, C., **Chein, J.**, & Murty, V.P. Learning Goals Drive Retroactive Memory Enhancements for a Real-Life Experience. (2022). Poster presented at the *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.

\*Brucato, M., Newcombe, N. S., & **Chein, J.**M. (2022, May). White matter pathways associated with theory of mind support spatial perspective taking. Poster presented at the *Philadelphia Decision Neuroscience Symposium*, Philadelphia, PA.

\*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. Poster presented at the *Cognitive Neuroscience Society Annual Meeting*, San Francisco, CA.

Invited Panelist (February, 2022). **Chein, J.** Adolescent Development Convening sponsored by the Pahara Institute and Bezos Family Foundation.

\*Brucato, M., Newcombe, N. S., & **Chein, J.** M. (2021, November) White matter pathways associated with theory of mind support spatial perspective taking. Poster presented at the *Harvard Women in Psychology: Trends in Psychology Summit*, virtual.

\*Chiu & Chein (Nov, 2021).  Executive function and smartphone use habits in young adults. Poster presentation at the annual meeting of the APA conference on Technology, Mind, & Society.

\*Tanriverdi, \*Benear, \*Metoki, Murty, **Chein**, & Olson (August, 2021). Awake coordinated reactivation predicts forgetting. Poster presented at the annual Context and Episodic Memory Symposium.

\*Brucato, \*Smith, Newcombe, & **Chein** (March, 2021). On the role of attention in spatial, cognitive, and affective perspective taking. Poster presented at the Cognitive Neuroscience Society Meeting (virtual).

\*Beard, **Chein**, & Venkatraman (November, 2020). Investigating the Neural Correlates of the Description-Experience Gap. Poster presented at the annual meeting of the Psychonomic Society.

\*Beard, **Chein**, & Venkatraman (October, 2020). Investigating the Neural Correlates of Risk Preference and Information Acquisition in the Description-Experience Gap. Poster presented at the annual meeting of the Society for Neuroeconomics.

**Chein** (August, 2020). Risky Decision-Making and Digital Media Habits. Invited panelist presentation at Digital Media and Developing Minds National Congress 2020 (virtual).

\*Chiu, \*Weiss, **Chein** (July, 2020). The Impact of Mobile Usage Patterns on Risk Taking Behavior. Poster presented at the Cognitive Science Society meeting, online.

\*Knotek, \*Chiu, \*Weiss, **Chein** (April, 2020). Normative Smartphone Use, Cognitive Functioning & Risk Taking. Symposium for Undergraduate Research and Creativity (SURC) Online.

\*Beard, E.C., \*Rosenbaum, G., \*Zaneski, L., **Chein, J.**, Venkatraman, V. (2019, November). *Influence of Presentation Format and Problem Domain in Risky Decision Making*. Poster presented at the 2019 Society for Judgement and Decision Making Conference. Montreal, Québec, Canada.

\*Bart, Nusslock, \*Ng, \*Titone, \*Carroll, \*Damme, \*Young, \*Armstrong, **Chein**, Alloy (2019, October). Decreased reward-related brain function to monetary rewards predicts shorter time to substance use disorder occurrence. Poster presented at the annual meeting of the Society for Neuroscience, Chicago.

\*Zaneski & **Chein** (Feb, 2019). Exploratory behavior in foraging task links real world risk-taking & media use. Poster presented at the annual meeting of the Eastern Psychological Association, Montreal.

Invited Panelist (October, 2018). The Relationship Between Cognition and Media Behavior. Digital Media and Developing Minds National Congress, Cold Spring Harbor, NY.

\*Samper & **Chein** (October, 2018). The Role of Rehearsal in the Irrelevant Sound Effect. Presentation at the 59th Annual Meeting of the Psychonomic Society, New Orleans.

†Sherman, \*Rosenbaum, \*Smith, \*Botdorf, \*Fettich, \*Patrianakos, \*†Strang, Steinberg, & **Chein** (April, 2018). The interactive effects of peers and alcohol on decision making and functional brain connectivity in late adolescence. Poster presented at the 16th annual meeting of the Society for Research in Adolescence, Minneapolis.

Nielsen, \*Fettich, \*Divers, **Chein**, Alloy, & Olino. (April, 2018). Gender Differences in Associations between Trajectories of Depressive Symptoms and Cortical Thickness in Adolescence. Poster presented at the 16th annual meeting of the Society for Research in Adolescence, Minneapolis.

\*Hampton, \*Wilmer, Olson, Olino, & **Chein** (October, 2017). White matter predicts mobile phone use and impulsive decision making. Symposium presentation at the annual meeting of the Society for Neuroeconomics, Toronto.

†Sherman, \*Rosenbaum, \*Smith, \*Botdorf, \*Fettich, \*Patrianakos, †Strang, Steinberg, & **Chein** (September, 2017). Interactive effects of alcohol consumption and peer presence on connectivity between the nucleus accumbens and the response inhibition. Poster presented at the annual meeting of the Flux International Congress, Portland.

\*Rosenbaum, Venkatraman, Steinberg, & **Chein** (September, 2017). Adolescents and adults learn differently from description and experience. Poster presented at the annual meeting of the Flux International Congress, Portland.

Alloy et al., (September, 2017). Blunted Neural Reward Responsiveness Predicts Prospective Depressive Episodes. Abstract presented at the annual meeting of the Society for Research in Psychopathology.

Chen EY, Olson I, **Chein J**., McCloskey M.S., Edwards M.A., Mohamed, F.B., Hoge, W.S., Obradović Z., Olino, T.M. (June, 2017). An fMRI taste task as a test of long-term clinically significant weight loss. Abstract accepted for the Organization for Human Brain Mapping, Vancouver, Canada.

Chen EY, Foster, G.D., Mohamed, F.B., Conklin, C.J., Hoge, W.S., Olson, I.R., **Chein, J.**, McCloskey, M.S., Obradović Z., Olino, T. (May, 2017). Can baseline resting state functional connectivity classify clinically significant weight loss 3 and 15 months later? Abstract accepted to the Association for Psychological Science, Boston.

Invited Symposium (March, 2017). Decision, Reward, & Social Processing in   
Adolescent Brain Development. Symposium presentation at the Annual Meeting of the Cognitive Neuroscience Society. San Francisco.

Invited Address (January, 2017). **Chein, J.** The adolescent brain: Opportunity & Vulnerability. Sylvius Lecture, Leiden Institute for Brain and Cognition. Leiden, Netherlands.

\*Rosenbaum, G.M., **Chein, J.**M., Steinberg., L., & Venkatraman, V. (November, 2016) Neurophysiological insights into the description-experience gap in adolescents. Poster presented at *Society for Judgment and Decision Making*, Boston, MA.

\*Rosenbaum, G.M., \*Botdorf, M.A., †Sherman, L.E., \*Smith, A.R., \*Fettich, K., \*Patrianakos, J.L., †Strang, N., Steinberg, L. & **Chein, J.**M. (September, 2016) The behavioral and neural influences of alcohol and social context on risky choice. Poster presented at *Fourth Annual Flux Congress*, St. Louis, MO.

\*Silva, K., \*Patrianakos, J., **Chein, J.**M., & Steinberg, L. (May, 2016). Mental Fatigue Increases Risk-Taking and Reward-Seeking Behavior but Has No Effect on Young Males’ Ability to Learn from Negative Outcomes. Poster presented at the annual meeting of the American Psychological Society, New York.

\*Damme, K., Nusslock, R.,**Chein, J.**, \*Black, C., \*O'Garro-Moore, J. and Alloy, L. (May, 2016).

Individuals with Elevated Reward Sensitivity and a Bipolar Spectrum Diagnosis Display Reduced Cortical Thickness in the Medial Orbitofrontal Cortex. Presented at the Society of Biological Psychiatry Annual Meeting.

\*Duell, N., \*Icenogle, G., **Chein, J.,** Steinberg, L. (April, 2016). A Cross-Cultural Examination of the Dual Systems Model of Adolescent Risk Taking. Symposium presentation at the biennial meeting of the Society for Research on Adolescence, Baltimore.

\*Duell, N., \*Silva, K., \*Icenogle, G., Banich, M., **Chein, J.**, Steinberg, L. (April, 2016). Influence of Working Memory on Stroop Performance: A Developmental Examination. Poster presentation at the biennial meeting of the Society for Research on Adolescence, Baltimore.

\*Silva, K., Steinberg, L., & **Chein, J.** (April, 2016). Improving Young Soldiers’ Decision-Making by Changing the Age Mix of Combat Squads. Poster presentation at the biennial meeting of the Society for Research on Adolescence, Baltimore.

\*Silva, K., †Shulman, E., **Chein, J.M**., & Steinberg, L. (April, 2016). Peers Increase Adolescents’ Exploratory Behavior and Sensitivity to Positive and Negative Feedback. Poster presentation at the biennial meeting of the Society for Research on Adolescence, Baltimore.

\*Rosenbaum, G., \*Botdorf, M., \*Patrianakos, J., \*Wilmer, H., Steinberg, L. & **Chein, J.** (March, 2016). Working memory training increases insula engagement in adolescents. Poster presented at the annual meeting of the Cognitive Neuroscience Society, New York.

\*Rosenbaum, G.M., Venkatraman, V., & **Chein, J.**M. (November, 2015). The Influences of Described and Experienced Information on Adolescent Risky Decision-Making. Poster presented at *Society for Judgment and Decision Making Conference*, Chicago, IL.

Invited Address. “Training Working Memory in the Plastic Brain.” Getting Smart about Getting Smart Workshop. Ann Arbor Michigan. June, 2015.

Keynote Address, ““Why adolescents take more risks when with peers than alone.” SRCD Peer Relations Pre-Conference (Biological and Contextual Influences). March, 2015.

Symposium Chair, Peer influence and risky decision-making: Insight from neuroimaging. Symposium at the Society for Research in Child Development Biennial Meeting, Philadelphia, PA, March 2015.

\*Smith, A. \*Rosenbaum, G. Steinberg, L., & **Chein, J.** (March, 2015). Increased engagement of reward-processing regions during peer observation reflects higher rates of risk-taking behaviors. Symposium presentation at Society for Research in Child Development Biennial Meeting, Philadelphia, PA.

\*Smith, A. Steinberg, L., & **Chein, J.** (2015, March). Age-related changes in cortical thickness of the anterior insula. Poster presented at Society for Research in Child Development Biennial Meeting, Philadelphia, PA.

\*Botdorf, M., \*Rosenbaum, G., \*Patrianakos, J., Steinberg, L., **Chein, J.** (2015, March). Gender Differences in Adolescent Cognitive Control in the Face of Emotional, but Not Non-Emotional, Stimuli. Poster presented at Society for Research in Child Development Biennial Meeting, Philadelphia, PA.

\*Rosenbaum, G., \*Botdorf, M., Steinberg, L. & **Chein, J.** (2015, March). Working Memory Training in Adolescents Decreases Laboratory Risk Taking in the Presence of Peers. Poster presented at Society for Research in Child Development Biennial Meeting, Philadelphia, PA.

\*Icenogle, G., **Chein, J.**, & Steinberg, L. (2015, March). Adolescent decision making: Pubertal status and age differentially predict behavior on the Iowa Gambling Task. Poster presented at Society for Research in Child Development Biennial Meeting, Philadelphia, PA.

\*Icenogle, G., Shulman, E., Breiner, K., **Chein, J.**, & Steinberg, L. (2015, March). Is the increase in reward-seeking during adolescence

\*Rosenbaum, **Chein**, & Venkatraman (November, 2014). Reliability, Robustness and Boundary Conditions of the Description-Experience Gap. Poster presented at the Annual Meeting of the Judgment and Decision Making Society.

Invited Presentation. Annual Eleanor Saffran Conference on Cognitive Neuroscience. September, 2014.

Invited Presentation. Office of Naval Research annual portfolio review, June, 2014.

Invited Panelist. Understanding the customer’s sensory experience. Temple University Fox School of Business. June, 2014.

\*Koski, J., \*Smith, A., **Chein, J.**, Steinberg, L., & Olson, I. (April, 2014). The Influence of Social Status on Peer Influence and Risky Decisions. Poster presented at the Annual meeting of the Society for Research on Adolescence, Austin.

Invited Presentation. How peers influence adolescent’s decisions about substance use. Temple University Substance Use Consortium, “Substance Abuse in the 21st Century”, April, 2014.

\*Rosenbaum, G.M. & **Chein, J.**M. (March, 2014). The Influence of Multiple Items in Working Memory on Visual Search. Poster presented at the annual meeting of the Eastern Psychological Society, Boston.

\*Botdorf, M.A., \*Rosenbaum, G.M. & **Chein, J.**M. (March, 2014). Using Emotional and Non-Emotional Go-Nogo Tasks to Understand Adolescent Cognitive Control. Poster presented at the annual meeting of the Eastern Psychological Society, Boston.

Invited Presentation. (Feb., 2014). The hunt for the phonological loop. Explorations of Phonological Representation, Speech Motor Programming, Strategy, and Attention in Verbal Working Memory. Moss Rehabilitation Center, Philadelphia.

Invited Address. (Feb. 2014). Expanding the mind’s workspace. Invited address to the Empiricist League, Brooklyn, NY.

\*Wilmer, H., \*Blacker, K., **Chein, J.** (Nov, 2013). Comparative Effects of Two Distinct Cognitive Training Programs. Poster presented at the Annual Meeting of the Psychonomic Society, Toronto.

\*Blacker, K.J., Curby, K.M., \*Klubosicky, E., & **Chein, J.**M. (Nov, 2013). The effects of action video game training on visual short-term memory. Poster presented at Object Perception, Attention, and Memory annual meeting, Toronto.

Invited Address (September, 2013). On a joy ride with friends: Explorations of the effect of peers on adolescent decision making. First Annual Meeting of the Flux international Congress, Pittsburgh.

\*Smith, A.R., Steinberg, L., **Chein, J.** (September 2013). Peer Influence on the Receipt of Reward

during Adolescence. First Annual Meeting of the Flux international Congress, Pittsburgh.

\*Weigard, A., \*Albert, D., \*Smith, A., **Chein, J.** & Steinberg, L. (April 2013) Effects of Peer Presence on Delay Discounting in Late Adolescents: Replication Using an Anonymous Peer Paradigm. Presented at the Biennial Meeting of the Society for Research in Child Development.

Invited Address. (May, 2013) Based on a true story: The science, and fiction, of working memory training. Learning Research and Development Center 50th Anniversary, Pittsburgh, PA.

Invited Presentation. Office of Naval Research annual portfolio review, June, 2013

Keynote Address. Peer influences on risk-taking among adolescents and young adults: Evidence from brain and behavior. Pennsylvania Liquor Control Board Annual Meeting, Harrisburg, April, 2013.

\*Smith, A.R. Steinberg, L. & **Chein, J.** (Nov 2012) Peer Influences on the Integration of Reward Valuation and Impulse Control Processes during Adolescence. Presentation at the Annual Meeting of the Society for Neuroscience, New Orleans.

**Chein, J.**M. (2012). Friends on the Brain. Presented at the 59th annual meeting of the American Academy of Child and Adolescent Psychiatry, San Francisco.

Phi Beta Kappa Induction Ceremony Keynote Speaker, May 2012.

Invited Presentation. Office of Naval Research annual portfolio review, June, 2012.

\*Albert, D., **Chein, J.**, \*Smith, A., \*Uckert, K., & Steinberg. (2012). The future is now: differences between adolescents and adults in the neural and behavioral markers of intertemporal choice evaluation. Presented at the annual meeting of the Cognitive Neuroscience Society.

\*Morrison, A., Conway, A., & **Chein, J.** (2012). A behavioral and fmri investigation of the influences of taskdemand and strategy on the focus of attention. Presented at the annual meeting of the Cognitive Neuroscience Society.

Invited colloquium. Department of Pychology/Princeton Neuroimaging Institute, Princeton University, December, 2011.

\*Smith, AR., **Chein**, JM, Uckert, K., Albert, D., & Steinberg, L. (2011). Developmental differences in reward processing in the presence of peers. Presented at the 41st annual meeting of the Society for Neuroscience, Washington, DC.

\*Morrison, A., Conway, A., & **Chein, J.** (2011). Influences of Task-Demand and Strategy on the Focus of Attention. Presented at the 52nd annual meeting of the Psychonomic Society, Seattle.

**Chein, J.M.** (2011). Age dependence in near and far transfer from working memory training. Invited address at the First International Workshop on Cognitive and Working Memory Training. Center for Advanced Study of Language/University of Maryland, Hyattsville MD.

\*Morrison, A. & **Chein, J.** (2011). Strategy use in working memory performance. Presented at inter-Science of Learning Centers (iSLC) Conference, Washington, DC.

\*Albert, D.A., **Chein, J.M**., \*Uckert, K., \*O'Brien, L, Steinberg, L. (2011). Task-Dependent Differences in the Influence of Peers on Adolescent Decision Making. Presentation given at the biennial meeting of the Society for Research in Child Development, Montreal.

\*Morrison, A. & **Chein, J.** (2010). Strategy use in working memory tasks. Presented at the 51st annual meeting of the Psychonomic Society, St. Louis, MO.

**Chein, J.M.,** \*Villagomez, A., & \*Morrison, A. (2010) Irrelevant speech effects without rehearsal. Presented at the annual meeting of the Eastern Psychological Society, NY.

Invited colloquium, Department of Psychology, Rutgers Newark, October 2010.

Invited symposium, NeuroMarketing Symposium, Fox School of Business, Temple University, March 2010.

**Chein, J.M.** (2009). Expanding the mind’s workspace: Working memory training and its generalization to other cognitive skills. Presidential Symposium address given at the annual meeting of the Eastern Psychological Society, Pittsburgh, PA.

\*Morrison, A.B., \*Fitzhugh, S., Shipley, T., Newcombe, N., & **Chein, J.M**. (2009). Spatial training: Converging on mechanism. Presented at the annual meeting of the American Educational Research Association. San Diego, CA.

**Chein, J., \***DiSorbo, A., \*Uckert, K., \*Eagan, D.E., & Steinberg, L. (2009). Neural Markers of a Peer Influence on Adolescent Risk Taking. Presentation given at the biennial meeting of the Society for Research in Child Development, Denver, CO.

\*Albert, D., \*O’Brien, L., \*DiSorbo, A., \*Uckert, K., \*Eagan, D.E., **Chein, J.,** & Steinberg, L. (2009). Peer influences on risk taking in young adulthood. Presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.

**Chein, J.M.,** Weisberg, R.W., \*Streeter, N., \*Kwok, S.(2009). Working memory and insight. Presented at the annual meeting of the Eastern Psychological Society, Pittsburgh, PA.

\*DiSorbo, A., \*Albert, D., \*O’Brien, L., Steinberg, S., & **Chein, J. (**2008). Adolescent risk-taking: Socio-emotional neural system vulnerability to peer influence. Presented at the 38th annual meeting of the Society for Neuroscience, Washington, D.C.

\*Morrison, A., Newcombe, N., & **Chein, J.** (2008). Training and transfer effects using a working memory complex span task. Presented at the 49th annual meeting of the Psychonomic Society, Chicago.

\*Fitzhugh, S., Morrison, A., **Chein, J.**, Shipley, T., Newcombe, N. (2008). Training mental rotation: A comparison of training spatial skills and working memory. Presented at the 49th annual meeting of the Psychonomic Society, Chicago.

**Chein, J.M**. (2007). Peer effects on the neural and behavioral markers of adolescent risk-taking. Presented at the 54th annual meeting of the American Academy of Child and Adolescent Psychiatry, Boston.

**Chein, J.M.** & Conway, A. (2007). fMRI of complex working memory span tasks. Presented at the 48th annual meeting of the Psychonomic Society, Long Beach, CA.

Conway, A. & **Chein, J.M.** (2007). On the Structure of Working Memory. Published in special issue of Neuroimage for the 12th annual Human Brain Mapping conference, Chicago.

Guediche, S., **Chein, J.**, Fiez, J. (2005). Dissociating articulatory and phonemic contributions to the “phonological” similarity effect. *Journal of Cognitive Neuroscience*, Supplement, 142-142.

Lenartowicz, A., Detre, G., Polyn, S., **Chein, J.**, et al. (2005). Characterization of brain states during task-switching using a neural network classifier. Poster abstract presented at the 12th annual meeting of the Cognitive Neuroscience Society, New York.

Schneider, W., Hill, N., **Chein, J.**, McHugo M., Cole, M. (2004). Systems supporting attention, decision-making, learning, & skilled performance. Presented at the 45th annual meeting of the Psychonomic Society, Minneapolis, MN.

**Chein, J.M**. & Fiez, J.A. (2004). Anatomical and temporal dissociations of articulatory suppression, irrelevant speech, and irrelevant non-speech effects in working memory. Poster abstract presented at the 11th annual meeting of the Cognitive Neuroscience Society, San Francisco.

Invited presentation, Neuroimaging and Prefrontal Function. Princeton University, March 2004

Schneider, W. & **Chein, J.** (2003). Cortical network support for control processing and the development of automaticity. Published in the special issue of *Neuroimage* for the 9th annual Human Brain Mapping conference, New York.

Schneider, W., **Chein, J.**, & McHugo, M. (2003). CAP3: A Model of Automatic/Controlled Processing in the Brain. Presented at the 44th annual meeting of the Psychonomic Society, Vancouver, BC.

**Chein, J.** & Schneider, W. (2003). An fMRI investigation of the role of domain-general cognitive resources in the transition from controlled to automatic processing. Poster abstract presented at the 10th annual meeting of the Cognitive Neuroscience Society, New York.

Schneider, W. & **Chein, J.** (2002). Automaticity and Domain-General Learning in Cortical Networks. Presented at the 43rd annual meeting of the Psychonomic Society, Kansas City.

Donavos, D.K., **Chein, J.M**., & Fiez, J.A. (2002).  Links between verbal working memory, concurrent articulation effects, and the cerebellum: Converging FMRI and behavioral studies.  Poster abstract presented at the 9th annual meeting of the Cognitive Neuroscience Society, San Francisco.

Ravizza, S.M., Becker, J.T., Delgado, M.R., **Chein, J.M**., & Fiez, J.A. (2002).  Contribution of the inferior parietal cortex to verbal working memory.  Poster abstract presented at the 10th annual meeting of the Cognitive Neuroscience Society, San Francisco.

Invited presentation, Effective fMRI Design. Presentation at the *Pittsburgh Functional Imaging Workshop*. Pittsburgh, PA, June 2001, 2002.

Drobyshevsky, A., Baumann, S., Ruth, R., **Chein, J.**, & Schneider, W. (2002).  Normative data from an FMRI cognitive task battery. Published in the special issue of *Neuroimage* for the 8th annual Human Brain Mapping conference, Sendai, Japan.

**Chein, J.M.,** Fissell, K., Jacobs, S., & Fiez, J.A. (2001). Functionally distinct subdivisions within Broca’s area during verbal working memory: Results from a novel method for meta-analysis of neuroimaging studies. Published abstracts of the 31st annual meeting of the Society for Neuroscience, San Diego.

Schneider, W. & **Chein, J.** (2001). Using an fMRI task battery to rapidly produce functional markers. Published in special issue of *Neuroimage* for the 7th annual Human Brain Mapping conference, Brighton, England.

**Chein, J.** & Schneider, W. (2001). Corresponding learning-related changes in brain activity associated with verbal and nonverbal versions of a paired-associate task. Poster abstract presented at the 8th annual meeting of the Cognitive Neuroscience Society, New York.

Wheeler, E.Z., **Chein, J.M.,** Schneider, W. (2001). Functional magnetic resonance imaging of the role of feedback in learning. Poster abstract presented at the 8th annual meeting of the Cognitive Neuroscience Society, New York.

Fiez, J.A., Liu, Y., Derby, L., **Chein, J.**, & Perfetti, C.A. (2001) Exploring domain-specific processes in working memory through manipulation of homophone status in the Chinese language. Poster abstract presented at the 8th annual meeting of the Cognitive Neuroscience Society, New York.

**Chein, J.** & Schneider, W. (2000). An fMRI investigation of a common learning network: A test with verbal and nonverbal paired associates. Published in the special issue of *Neuroimage* for the 6th annual Human Brain Mapping conference, San Antonio.

**Chein, J.M.** & Fiez, J.A. (2000). Differential Effects of Stimulus Manipulation in the N-back and Delayed Serial Recall Working Memory Tasks. Published in the special the issue of *Neuroimage* for the 6th annual Human Brain Mapping conference, San Antonio.

**Chein, J.M.** & Fiez, J.A. (1999). An fMRI study characterizing the neural basis of verbal working memory with a delayed serial recall task. Published abstracts of the 29th annual meeting of the Society for Neuroscience, Miami Beach.

**Chein, J.,** Smith, T., & Schneider, W. (1999). Functional specialization in a domain independent learning network investigated with fMRI. Poster abstract presented at the 1999 annual meeting of the Cognitive Neuroscience Society, Washington DC.

MacDonald, A.W. III, Perlstein, W.M., **Chein, J.M**., Fiez, J.A., Noll, D.C., & Carter, C.S. (1999). An fMRI study of individual differences in working memory capacity in the N-back task. Poster abstract presented at the 6th annual meeting of the Cognitive Neuroscience Society, Washington DC.

**Chein, J.M.,** Noll, D.C., Cohen, J.D., Fissell, K., Nystrom, L.E., Sabb, F., & Fiez, J.A. (1998). An fMRI study of verbal working memory: Effects of length, lexicality, and phonological similarity. Published abstracts of the 28th annual meeting of the Society for Neuroscience, Los Angeles.

Schneider, W., **Chein, J.**, Smith, T., & Shrager, J. (1998). FMRI of domain general learning. Published abstracts of the 28th annual meeting of the Society for Neuroscience, Los Angeles.

**Chein, J.M.** (1997). The Interface Between Computer Science and Psychology. Invited lecture at the Southwest China Normal University, Chongqing, China.

**University & Departmental Service:**

Director, Temple University Behavioral Research & Imaging Center 2015-present

University, New Faculty Welcome Reception Speaker 2025

University, Office of the Vice President for Research Peer Review 2020-Present

University, Information Technology Strategic Taskforce 2017

University, Temple Institute for Learning & Education Sciences 2012-2020

University, Research Neuroimaging Committee (Chair, 2010-2016) 2009-2016

University, Provost Workgroup on HSC-Main Campus Collaboration 2013

University, Search Committee for Institutional Review Board Director 2011

College of Liberal Arts Executive Committee 2023-present

College of Liberal Arts Community College Recruitment Presenter 2024

College of Liberal Arts Convocation Ceremony Presenter 2021

College of Liberal Arts Merit Committee (Chair, 2019-2020) 2018-2020

College of Liberal Arts Commencement Speaker 2016

College of Liberal Arts Board of Visitors Faculty Research Presenter 2016

College of Liberal Arts Tenure Committee (Chair, 2016) 2013-16

College of Liberal Arts Awards Committee 2012-15

College of Liberal Arts Academic Technology Committee 2008-10

Department of Psychology, Executive Committee 2019-present

Department of Psychology, Personnel Committee (Chair, 2023) 2018-present

Department of Psychology, Dept Reconfiguration Workgroup (Chair) 2021-2022

Department of Psychology, Faculty Awards Committee 2020-2022

Department of Psychology, Brain & Cognitive Sciences Area Director 2016-2017

Department of Psychology, Graduate Committee 2016-2017

Department of Psychology, Neuroscience Committee 2016-2017

Department of Psychology, Fellowship Committee 2017

Department of Psychology Faculty Awards Committee (Chair, 2015) 2014-15

Department of Psychology, Web & Technology Committee 2014-15

Department of Psychology, Cognitive Search Committee 2014, 2015

Department of Psychology Colloquium Committee 2012-13

Department of Psychology, Student Awards Committee 2012-13

Department of Psychology, Clinical Faculty Search Committee 2012

Department of Psychology Undergraduate Committee (Chair, 2013) 2009-13

Department of Psychology Cognitive Neuroscience Search Committee 2008-09

Department of Psychology Library Committee 2007-08

Department of Psychology Space Committee 2007-08

**Teaching and Mentorship:**

**Courses Taught at Temple University**

PSY 8015

Teaching of Psychology (graduate)

PSY 8110

Topical Seminar in Cognition (graduat*e) “Topical Seminar on Neuroimaging Methods”*

HONORS/PSY 3921

Honors Topical Seminar on Cognitive Enhancement (undergraduate) “*Rise of the Super Brains: A topical seminar on superior cognition and cognitive enhancement”*

HONORS/PSY 2901

Honors Cognitive Psychology (undergraduate)

PSY 2101

Foundations of Cognitive Psychology (undergraduate)

PSY 8310

Topical Seminar in Cognition (graduate*) “Topical Seminar on Human Neuroimaging”*

PSY 708

Topical Seminar in Cognition (graduate) “Psychological Neuroscience”

PSY 8310

Topical Seminar in Cognition (graduate) “*) “Topical Seminar on Cognitive Enhancement”*

PSY 8312

Graduate Core in Cognitive Psychology (graduate)

PSY 8317

Graduate Core in Neuroscience (graduate)

FRSEM 001 (now University Seminar 1001)

Freshman Skills Seminar (Co-instructor, undergraduate)

**Previous Teaching**

2002Psychology Research Methods Laboratory (University of Pittsburgh, undergraduate)

2002 Functional & Clinical Neuroanatomy (Chatham College, graduate)

2000 Systems Neuroanatomy (Teaching Fellow, Univ. of Pittsburgh, graduate)

1998 Introduction to Psychology (Teaching Assist., Univ. of Pittsburgh, undergraduate)

**Mentorship and Research Advising**

*Undergraduate Student Awards*

2025 Andrew Cordova, Mid-Atlantic Neuroscience Diversity Scholars (MiNDS) Award

2025 Binh Hoang, Diamond Research Scholarship

2025 Ife Adeoye and Maia Singh, Creative Arts, Research, and Scholarship (CARAS)

2025 Aashna Mony, Creative Arts, Research, and Scholarship (CARAS)

2024 Brooke Shulski, Mid-Atlantic Neuroscience Diversity Scholars (MiNDS) Award

2024 Tanaka Manhede, Liberal Arts Undergraduate Research Award

2023 Harry Green, Liberal Arts Undergraduate Research Award

2023 Alexander, Barone, Liberal Arts Undergraduate Research Award

2023 Joseph Itiat, Building Research Independence by Developing Goals and hands-on Experiences (BRIDGE) Award

2022 Kathryn Lockwood, Liberal Arts Undergraduate Research Award

2022 Grace Pinkstone, Liberal Arts Undergraduate Research Award

2022 Olivia Bishop, Diamond Research Scholarship

2021 Olivia Bishop, Liberal Arts Undergraduate Research Award

2019 Erin Knotek, Liberal Arts Undergraduate Research Award

2019 Emily Brown, Liberal Arts Undergraduate Research Award

2017 Alexander Weigard, Creative Arts, Research, and Scholarship (CARAS)

2016 Lauren Skelton, Diamond Peer Teacher Award

2015 Samantha Stella, Creative Arts, Research, and Scholarship (CARAS)

2015 Emily Brown, Creative Arts, Research, and Scholarship (CARAS)

2014 Lisa Johnson, Diamond Peer Teacher Award

2013 Paul Sharp, US Fullbright Fellowship ($95,000)

2012 Alexander Weigard, National Science Foundation Graduate Fellowship Honorable Mention

2012 Kevin Henson, Creative Arts, Research, and Scholarship (CARAS)

2011 Suwathna Reel, Summer Research Opportunity Award

2011 Ifraj Ibrahim-Allen, Summer Research Opportunity Award

2010 Kevin Henson, Ronald McNair Fellowship

2009 Chelsea Helion, Diamond Peer Teacher Award

2009 Rachel Smith, Summer Research Opportunity Award

2008 Krystal Edmead, Diamond Peer Teacher Award

*Undergraduate Research and Teaching Mentorship*

*Undergraduate CARAS and LAURA Advisees*: Emily Brown (CARAS), Alex Weigard (CARAS), Erin Knotek (LAURA), Olivia Bishop (LAURA, Spring 2021; Diamond Scholarship, 2022), Grace Pinkstone (LAURA, Spring 2022), Kathryn Lockwood (LAURA, Spring 2022), Alexander Barone (LAURA, Summer/Fall 2023), Harry Green (LAURA, Fall 2023)), Tanaka Manhede (LAURA, Fall 2024), Binh Hoang (Diamond Scholarship, 2025)

*Undergraduate Peer Teacher Mentees (Diamond Scholarship)*: Krystal Edmead (2008), Chelsea Helion (2009), Lisa Johnson (2014), Lauren Skelton (2016).

*Psychology Honors Thesis Advisees:* Jasmine Forde, Adrienne Villagomez, Alexander Weigard, Adam Magerman, Suwathna Reel, Marissa Rosenberg, Alex Shortall, Samantha Stella, Kaitlyn Breiner (ne Uckert), Emily Hutz, Minoosh Pardakti, Laura Zaneski (ne Ayres), Paris Walker, Jenna Muhannad, Janea Johnson, Emily Brown, Kylie Mol, Neil Chaturvedi, Jamie-Nicole Luistro, Jay Brooks-Justice, Yuliana Fartichuck, Maia Singh, Ife Adeoye

*Independent and Collaborative Research Advisees:* Jennifer Andrade, Paul Sharp, Jordan Allen, Jessica Smith, Michael Demers, Danielle Adinolfi, Kevin Henson, Jonathan (Fed) Anderson, Elizabeth P Atterbury, Jordan Szenicer, Susan Braverman, Andrew Castagna, Sara Cote, Devin Fadelsak, Pauline Gepilano, Veronica Gould, Ifraj Ibrahim-Allen, Kristen L Kiesow, Scarlett Sungeun Kim, Josh Koehlein, Jemeda Lamar, Shari Leiblich, Wayne Mackey, Adriana Madina, Jeremy J Mancini, Alana McAlinn, Gabriel Nichols, Ryan Oliver, Djurdja Perich, Sarah Pilosi, John Suarez, Derek Smith, Rachel Smith, David Sommer, Marissa Kemperman, Sinead Walsh, Kylie Erb, Erin Knotek, Elizabeth Egan, Christopher Maldonado, Alina Spas, Grace Pinkstone, Ria Kazmi, Re-al Dupree, Sophia Sithya, Khushi Sibal, Kathryn Lockwood, Alex Barone, Tyler Yarick, Dara Rogers, Gilbert Reyes, Joseph Itiat, Kayla Wyatt, Megan Boyle, Ryan Aclan, Serina Victor, Yuliana Fartichuck, Ashley Murray, Ashley Hawk, Riya Shah, Binh Hoang,Camilla Pheulpin, Danny Hoang, Harry Green, Katherine Floyd, McKenzie Brandon, Megan Vince, Nolan Lortz, Tanaka Manhede, Samra Bowser, Sheila Jimenez, Titiksha Pawar, Aashna Mony, Sophia Monroy, Ameya Nerella, Abigail Kennedy,

*Minority Research Program Advisees:*  Kevin Henson (McNair Summer Scholar), Suwanthna Reel (SROP), Rachel Smith (SROP), Catherine Wright (Minority Summer Intern), Ifraj Ibrahim-Allen (SROP), Joseph Itiat (BRIDGE), Brooke Shulski (MiNDS), Andrew Cardona (MiNDS)

*Undergraduate Externship Advisees:* Louise Craft (Cornell), Adrienne Romer (NIH)

*Graduate, Post-Doctoral, and Post-Baccalaureate Research Mentorship*

*Post-Doctoral Research Fellows:* Elizabeth Shulman, Nicole Strang, Lauren Sherman, Lena Skalaban

PhD *Thesis/Dissertation Advisees:* Dustin Albert (co-advisor, PhD. 2010), Naomi Streeter (MA 2010), Alexandra Morrison (Ph.D. 2012), Kara Blacker (PhD. 2013), Ashley Smith (Ph.D. 2015), Karla Fettich (Ph.D., 2016), Gail Rosenbaum (Ph.D. 2017), Harry Wilmer (Ph.D. 2017), Jamielyn Samper (2021), Maria Brucato (2022), Elizabeth Beard (2022), Michelle Chiu (2022), Busra Tanriverdi (2024), Steven Martinez (current), Isabel Leiva (current), Lina Hu (current), Shenghan Wang (current)

*Masters Thesis Advisees:* Ashley Murray (2024, Public Health), Katia Rodriguez (current, Neuroscience), Samra Bowser (current, Psychology)

*Visiting International Graduate Fellowship Student Advisees:* Giulia Gliozzo (2019, 2022), Giovanna Cuomo (2019), Zoryana Mahlyak (2021), Chiara Riccioni (2023), Nicole Zollino (2023), Claudia Concordia (2023), Martina Giglioni (2024), Clementina Comitale (2025), Federica Splendorio (2025)

*Post-Baccalaureate and Externship Advisees:* Jennifer Andrade, Kaitlyn Breiner, Morgan Botdorf, Louise Craft (Cornell Externship), Adrienne Romer (NIH Externship), Danielle Eagan, Tatyana Matveeva, Jamie Patrianakos, Salena Binnig, Alexandra Jones*,* Katie Caufield, Kieran King, Daniel Zweben, Avi Zachs

*Graduate, Post-Doctoral, and Post-Baccalaureate Student Awards*

2025 Allison Langer, Digital Media & Developing Minds Congress Committee Award for Excellence in Science for outstanding poster

2023 Elizabeth Beard, Temple University Dissertation Completion Grant

2023 Michelle Chiu, Temple University Dissertation Completion Grant

2023 Maria Brucato, Temple University Dissertation Completion Grant

2023 Maria Brucato, Psychonomic Society Graduate Conference Award ($1,000)

2022 Jamielyn Samper, Temple University Dissertation Completion Grant

2022 Maria Brucato, Kavli Summer Institute in Cognitive Neuroscience Fellowship

2020 Maria Brucato, Psi Chi Fellowship

2019 Michelle Chiu, University of Michigan Training Course in fMRI Travel Award

2018 Elizabeth Beard, Young Scholars Research Award ($5800)

2018 Jamielyn Samper, Advanced Scholar Fellowship

2018 Jamilyn Samper, First Summers Research Grant ($6500)

2018 Lauren Sherman, Forbes 30 under 30 - Science

2017 Elizabeth Beard, Temple University Graduate School Presidential Fellowship

2017 Gail Rosenbaum, Temple University Dissertation Completion Grant

2017 Gail Rosenbaum, APA Dissertation Award ($1500)

2017 Gail Rosenbaum, Weinstein Graduate Research Award ($3500)

2016 Ashley Smith, UC Davis Travel Award, Anxiety and Depression Association of America Annual Conference

2015 Gail Rosenbaum, Shanghai Neuroeconomics Collective Summer School Travel Award

2013 Dustin Albert, Jacobs Foundation Young Scholar

2012 Alexandra Morrison, APA Dissertation Award ($1000)

2012 Ashley Smith, University Summer Research Fellowship - Cornell Sackler Institute Summer Institute in Cognitive Neuroscience

2011 Alexandra Morrison, Graduate Student Travel Award Cognitive and Working Memory Training Workshop, CASL/U. of Maryland

2010 Dustin Albert, Weinstein Graduate Research Award ($3500)

2009 Dustin Albert, University Summer Research Fellowship – Cornell Sackler Institute

*Doctoral Committee Service:*

Anthony Dick (Reader, 2007), Jennifer Davis (Core Member, 2007), Patricia Walshaw (Reader, 2007), Kristen Ratliff (Reader, 2007), Jennifer Bubier (Reader, 2008), Stacie Kovacs (Reader, 2008), Michael Tobia (Chair, 2009), Danielle Gulick (Core Member, 2009), Richard Hass (Core Member, 2009), Jonathan Raybuck (Core Member, 2009), Justin Kenney (Core Member, 2010), Tilbe Goksun (Reader, 2010), Shannon Fitzhugh (Core Member, 2011), Kuba Glazek (Core Member, 2011), Alexandra Twyman (Core Member, 2011), Dustin Albert (Chair, 2011), Alexandra Morrison (Core Member, 2012), Derek Wilkinson (Core Member, 2012), Lorna Quandt (Reader, 2013), Kara Blacker (Core Member, 2013), Lauren Richmond (Core Member, 2013), Amanda Morrison (Core Member, 2013), Joni Saby (Core Member, 2013), Laura Skipper (Core Member, 2013), Kinari Atit (Core Member, 2014), Jessica Collins (Core Member, 2014), Elaine Boland (Reader, 2014), Tabitha Wurster (Reader, 2014), Kaitlyn Reiner (Lehigh University, External Reader, 2014), Jessica Koski (Core Member, 2015), Erica Holiday (Core Member, 2015), Hannah Tehan (Australia Catholic University, 2015), Denise LaBelle (Reader, 2015), David Connor (Reader, 2015), Jorien Van Hoorn (Leiden University, 2017), Corinne Holmes (Core Member, 2017), Karol Silva (Core Member, 2017), Kylie Alm (Core Member, 2017), Robert Cole (Core Member, 2017), Elissa Hamlat (Reader, 2017), Shanna Cooper (Core Member, 2017), Emma Rhodes (Reader, 2018) Zoe Ngo (Core member, 2019), Natasha Duell (Core member, 2019), Grace Icenogle (Core member, 2019), Staci Weiss (Core member, 2020), Anastasia Metoki (Core member, 2021), Julia Case (Reader, 2021), Arielle Ered (Reader, 2022), Haroon Popal (Core Member, 2022), Susan Benear (Core Member, 2022), Rachel Myer (Reader, 2022), Vaidyanathan Saunak (Reader, 2023), Xinxu (Karen) Shen (Reader, 2024), Kim Nguyen (Core Member 2024), Katie Jobson (Core Member, 2024), Matt Mattoni (Core Member, 2025), Ginny Ulichney (Core Member, 2025), Nick Ruiz (Committee Chair, 2025), Allison Langer (Core Member, *current*), , Yi (Jen) Yang (Core Member, *current*), Ronan Cunningham (Core Member, *current)*

**Popular Media Coverage:**

Housing, work, love: Gen Zers and young millennials don’t stand a chance in the face of the modern quarter-life crisis (June, 2024). *Fortune Magazine* (Article by Eli Joseph).

Philly school district could spend $5 million to lock up student cell phones (Oct, 2022). *NPR/PBS/WHYY* (Article by Aubrey Juhasz)

Teen brains aged faster than normal from pandemic stress, study says (Dec, 2022). *Washington Post* (Article by Katherine Reynolds Lewis)

If you think your preparation will help you later, you will probably be right, a new study says (Sept, 2022). CNN News (Article by Madeleine Holcombe)

A Cosmic Idea: Inner solitude a frontier still worth exploring (March, 2021). Forum (Article by Maggie Jackson).

INSIGHT: Adolescent Brain Immaturity Makes Pending Execution Inappropriate (September, 2020). Bloomberg Law (Op-Ed by **Jason Chein**)

The US plans to execute a man for a crime he committed at 19. Scientists say the research on brain development makes that wrong (September, 2020). CNN News (Article by Harmeet Kaur)

Five hacks for fighting Zoom fatigue (November, 2020). Temple Now (Article by Kim Fischer)

Should Billy Joe Wardlow Be Executed for a Crime Committed When He Was Eighteen? (June, 2020). The New Yorker (Article by Lincoln Caplan)

Why Do Young Men Engage in Risky Behaviors? (March, 2020). Psychology Today (Article by David Ludden)

The Outsize Influence of Your Middle-School Friends (January, 2020). The Atlantic (Article by Lydia Denworth)

How to Train Your Memory (November, 2019). Men’s Health (Article by Ginny Graves)

Brain research reveals how to prevent risky behavior in teens (Feb, 2019). *ABC News* (Article by Denise Dador)

12-year-old charged with capital murder spotlights justice system ill-equipped for juveniles (January, 2019) NBC Online News (Article by Elizabeth Chuck).

Many teens resist allure of smartphone 'catnip' — but some still struggle (Dec, 2018). *Canadian Broadcast Network* (Article by Amina Zafar).

The Science of the Smartphone Backlash (April, 2018) *Popular Mechanics* (article by Jacqui Detweiller).

Are Smartphones Really Destroying the Adolescent Brain? (March, 2018) *Scientific American* (Article by Carlin Flora).

Justice for Teens (October, 2017) *APA Monitor on Psychology* (Article by Heather Stringer).

The life of the teenage brain (June, 2017). *NHK Television Japan.*

A California Court for Young Adults Calls on Science. (April, 2017). *The New York Times (*article by Tim Requarth).

Hormones and Huffs: The science of puberty (April 2017). A film by Judith König. Aired on ARTE.TV.

Teenagers Do Dumb Things, but There Are Ways to Limit Recklessness (March, 2017). *The New York Times* (article by Lisa Damour).

Screen time guidelines need to be built on evidence, not hype (January, 2017). The Guardian.

Eating dinner without checking your email: impulse control, time preference, and mobile device usage (March, 2016). *Psychonomic Society News* (Article by Stephan Lewandowsy).

The Not So Smart Phone (March, 2016). *The Express Tribune* (article by Ians)

Can't stop checking your phone? You're impatient and impulsive: Psychologists reveal why people can't put devices down (March, 2016). *Daily Mail* (article by Richard Gray)

*Brain Games*, Season 7, Episode 4, “Life of the Brain” (first aired on March 6, 2016). National Geographic Channel.

“'Brain Games' pits teens against adults in Keansburg experiment” (June, 2015). NJ.com (article by Ryan Feuer.

“Can Action Video Games Boost Short-term Memory?” (October, 2014). *Psychology Today, Media Spotlight* (article by Romeo Vitelli).

“Mind games: Cognitive training can help with memory and problem solving” (October, 2014). *American Psychological Association Monitor on Psychology,* (article by Kirsten Weir).

“Are There Perceptual or Cognitive Benefits to Playing Action Video Games?” (October, 2014). *American Psychological Association PeePs (Particularly Exciting Experiments in Psychology)*

“Friends can be dangerous” (May, 2014). *The New York Times* (article by Laurence Steinberg).

“New Studies Show Promise for Brain Training in Improving Fluid Intelligence” (April, 2014). *The Atlantic* (Article by Dan Hurley).

“Brains on Trial with Alan Alda” (September, 2013). *Public Broadcast System (PBS).*

“*Can brain training improve memory*?” (August, 2013). *Philadelphia Inquirer* (article by Stacy Burling).

*“Teenagers Are Wired for Peer Approval, Says Study: Risk-taking rises with an audience”* (May, 2013). In *Education Week* (article by Sarah Sparks).

*“Can you make yourself smarter”* (April, 2012). Cover feature in a special issue of *The New York Times Sunday Magazine* (article by Dan Hurley).

*“Buff your brain” (January, 2012).* Cover story in *Newsweek Magazine* (article by Sharon Begley).

*“*I feel like I’m becoming more forgetful. How can I sharpen my memory?” (2011). In *Men’s Health Magazine* (article by Julie Stewart).

“Pimp my memory” (2011). In *New Scientist Magazine* (article by David Robson*).*

*“Teenagers wired to take risks”* (2011). In *MacLean’s Magazine* (article by Kate Lunau).

WPR Radio, *The Kathleen Dunn Show*

*WHYY Philadelphia*

“Teenager, Friends, and Bad Decisions” (2011). In *The New York Times* (article by Tara Pope Parker)

“Get Even Smarter?” (2010). In *Percolator,* an online forum of *The Chronicle of Higher Education* (article by Tom Bartlett).

“No Second Chance” (2010). Episode produced for *CBS Sunday Morning* news program*.*

“Linking Risk-Taking Behavior and Peer Influence in Adolescents” (2008). In *Neuropsychiatry Reviews*, 9,1 (article by John Merriman).

“Puberty – When Teenagers Disengage” (2008). Episode of the television production *Quark and Co.,* produced for WDR German Public Broadcasting Television.

“Monks in the Lab” (2006). Documentary film produced by ARTE France Television in association with the Buddhist Broadcasting Foundation.