

Michael V. Bronstein, Ph.D.

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EDUCATION

Yale University, Psychology, PhD May 2020

Washington and Lee University May 2015

Bachelor of Science with Honors in Psychology, Summa Cum Laude. Member: Phi

Beta Kappa. In-major GPA: 3.99. Overall GPA: 3.97. Class rank: top 2% (approximate).

University of Minnesota M.S. Program in Data Science Spring 2023 - Present

PUBLICATIONS IN PEER REVIEWED JOURNALS [1=joint first authors]

(Total Citations: >800)

Gadassi-Polack¹, R., **Bronstein, M.V.**¹, Questel, M., Edelman, A., Vinogradov, S., Kober, H., Joormann, J., & Everaert, J. (2023). Social interpretation inflexibility moderates emotional reactions to social situations in children and adolescents. *Development and Psychopathology*.

Deng, W., Everaert, E., **Bronstein, M.V.**, Joormann, J., & Cannon, T. (2023). Interpretation Inflexibility and Social Functioning: Associations with Symptoms and Stress. *Journal of Social and Clinical Psychology*, 42(1), 29-49.

De Neve, D., **Bronstein, M.V.**, Leroy, A., Truyts, A., & Everaert, J. (2023). Emotion regulation in the classroom: A network approach to model relations among emotion regulation difficulties, engagement to learn, and relationships with peers and teachers. *Journal of Youth and Adolescence*.

Deng, W., Everaert, J., Creighton, M., **Bronstein, M.V.**, Cannon, T.D., & Joormann, J. (2022). Developing a Novel Task of Interpretation Flexibility: Reliability, Validity, and Clinical Implications. *Personality and Individual Differences*.

- Bronstein, M.V.**, Everaert, J., Kummerfeld, E., Haynos, A., & Vinogradov, S. (2022). Biased and Inflexible Interpretations of Ambiguous Social Situations: Associations with Restrictive Eating and Socioemotional Functioning. *IJED*.
- Bronstein, M.V.**, Kummerfeld, E., MacDonald III, A., & Vinogradov, S. (2022). Willingness to Vaccinate Against SARS-CoV-2: The Role of Reasoning Biases and Conspiracist Ideation. *Vaccine*.
- Bronstein, M. V.**, & Vinogradov, S. (2021). Education Alone is Insufficient to Combat Online Medical Misinformation. *EMBO reports*, 22(3), e52282.
- Everaert, J.¹, **Bronstein, M. V.**¹, Cannon, T. D., Klonsky, E. D., & Joormann, J. (2021). Inflexible Interpretations of Ambiguous Social Situations: A Novel Predictor of Suicidal Ideation and the Beliefs That Inspire It. *Clinical Psychological Science*, 2167702621993867.
- Everaert, J. ¹, **Bronstein, M.V.** ¹, Castro, A., Cannon, T.D., & Joormann, J. (2020). When Negative Interpretations Persist, Positive Emotions Don't! Inflexible Negative Interpretations Encourage Depression and Social Anxiety by Dampening Positive Emotions. *Behaviour Research and Therapy*, 124, 103510.
- Bronstein, M.V.**, Pennycook, G., Buonomano, L., & Cannon, T.D. (2020). Belief in fake news, responsiveness to cognitive conflict, and analytic reasoning engagement. *Thinking & Reasoning*, 1-26.
- Bronstein, M. V.**, Pennycook, G., Joormann, J., Corlett, P. R., & Cannon, T. D. (2019). Dual-process Theory, Conflict Processing, and Delusional Belief. *Clinical Psychology Review*, 101748.
- Bronstein, M. V.**, Everaert, J., Castro, A., Joormann, J., & Cannon, T. D. (2019). Pathways to Paranoia: Analytic Thinking and Belief Flexibility. *Behaviour Research and Therapy*, 113, 18-24.
- Bronstein, M.V.**, Pennycook, G., Bear, A., Rand, D., & Cannon, T.D. (2019). Belief in Fake news is associated with Delusionality, Dogmatism, Religious Fundamentalism, and Reduced Analytic Thinking. *Journal of Applied Research in Memory and Cognition*.
- Bronstein, M.V.**, & Cannon, T.D. (2018). Measuring Bias Against Disconfirmatory Evidence: An Evaluation of BADE task Scoring Methods and the Case for a Novel Method. *Psychiatry Research*, 261, 535-540.

- Everaert, J., **Bronstein, M.V.**, Cannon, T.D., & Joormann, J. (2018). Looking Through Tinted Glasses: Depression and Social Anxiety are Related to both Interpretation Biases and Inflexible Negative Interpretations. *Clinical Psychological Science*, 2167702617747968.
- Bear, A., Fortgang, R. G., **Bronstein, M. V.**, & Cannon, T. D. (2017). Mistiming of Thought and Perception Predicts Delusional Beliefs. *Proceedings of the National Academy of Sciences*, 114(40), 10791-10796.
- Bronstein, M.V.**, & Cannon, T.D. (2017). Bias Against Disconfirmatory Evidence in a Large Nonclinical Sample: Associations with Schizotypy and Delusional Beliefs. *Journal of Experimental Psychopathology*, 8(3), 288-302.
- Bronstein, M. V.**, Dovidio, J. F., & Cannon, T. D. (2017). Both Bias Against Disconfirmatory Evidence and Political Orientation Partially Explain the Relationship Between Dogmatism and Racial Prejudice. *Personality and Individual Differences*, 105, 89-94.
- Bronstein, M.V.** (2014). A Review of the Models of Schizophrenia: And a Putative Novel, More Unified Model. *Modern Psychological Studies*, 19, 47-64.

MANUSCRIPTS IN PREP OR UNDER REVIEW [1=JOINT FIRST AUTHORS]

- Stress and Resilience among Military Medical Students Completing a High-Fidelity Educational Deployment Simulation (2023). Cole, R. & **Bronstein, M.V.** *Under Review at Academic Medicine*.
- Identifying Psychological Predictors of SARS-CoV-2 Vaccination: A Machine Learning Study (2022). **Bronstein, M.V.**, Kummerfeld, E., MacDonald, A., & Vinogradov, S. *Under review at Vaccine*.
- Vos, L., **Bronstein, M.V.**, Gendron, M., Joormann, J., & Everaert, J. (2022). Navigating the Social World: The Role of Interpersonal and Cognitive Processes in Depression and Social Anxiety. *Under review at Cognition and Emotion*.
- Out of Sync in Time and Thought: The Influence of Perceived Event Segmentation on Temporal Memory is Diminished for Individuals High in Paranoia (*in prep*). Ongchoco, J. D. K., Koller, W. N., **Bronstein, M. V.**, Yates, T. S., Cannon, T. D., & Scholl, B. J.

Gadassi Polack, R., **Bronstein, M.V.**, Vinogradov, S. Kober, H. Joormann, J. & Everaert, J. (2023). Biased and Inflexible Interpretations of Social Experiences in Adolescents: Relations with Psychopathology. *Under review at Development and Psychopathology*.

Bronstein, M.V., Kummerfeld, E., MacDonald, A., & Vinogradov, S. (*in prep*). Investigating the Impact of Anti-Vaccine News on SARS-CoV-2 Vaccine Intentions

Bronstein, M.V., Vinogradov, S., & Kummerfeld, E. (*in prep*). Systematic Measurement Error and Causal Discovery Analysis of Survey Data.

ADDITIONAL ONGOING PROJECT TOPICS

Using Causal Discovery Analysis and EMA Data to Characterize Temporal Fluctuation in Risk Factors for Suicide Ideation

Neuropsychology of belief in medical misinformation

Characterizing Associations Between Different Types of Mistrust and Vaccine Hesitancy

Many Analysts Problems in Research

Qualitative Data on Stress and Resilience among Operation Bushmaster Students

TALKS

Bronstein, M.V. & Everaert, J. (2022, Sept.). *Inaccurately Interpreting the Social World: Implications for Eating Disorder Symptoms*. Invited talk: UK NHS Eating Disorder Network.

Bronstein, M.V. (2022; 4 March). *Identifying Psychological Predictors of SARS-CoV-2 Vaccination: A Machine Learning Study*. Psychiatric Research Society. Park City, Utah.

Bronstein, M.V. (2021; 8 March). *Inflexible Interpretations of Ambiguous Social Situations: A Novel Predictor of Suicidal Ideation and the Beliefs That Inspire It*. Psychiatric Research Society. Park City, Utah.

Bronstein, M.V. (2020; 24 May). Inflexible Beliefs and Belief Updating Across Mental Disorders: Behavioral Findings and Neural Underpinnings (accepted symposium). 32nd Association for Psychological Science Conference. Conference cancelled due to SARS-CoV-2.

SELECTED MEDIA COVERAGE

Everaert, J. & **Bronstein, M.V.** (2022, February 8). Do our interpretations influence our desire to live? Retrieved from: <https://www.psychologytoday.com/us/blog/cognition-and-mental-health/202202/do-our-interpretations-influence-our-desire-live>.

Bronstein, M.V., Everaert, J., Castro, A., Cannon, T.D., & Joormann, J. (2019, December 11). How do we interpret ambiguous social events? *Psychology Today*. Retrieved from: <https://www.psychologytoday.com/us/blog/thoughts-and-feelings/201912/how-do-we-interpret-ambiguous-social-events>.

Dolan, E. (2018, October 28). *Study: Religious fundamentalists and dogmatic individuals are more likely to believe fake news*. Retrieved from: <https://www.psytopost.org/2018/10/study-religious-fundamentalists-and-dogmatic-individuals-are-more-likely-to-believe-fake-news-52426>.

Bear, A., Fortgang, R., & **Bronstein, M. V** (2018, January 13). You think you're clairvoyant, but your brain is just tricking you. *The Washington Post*. Retrieved from: https://www.washingtonpost.com/national/health-science/you-think-youre-clairvoyant-but-your-brain-is-just-tricking-you/2018/01/12/005b8d48-deac-11e7-bbd0-9dfb2e37492a_story.html

AD-HOC REVIEWER FOR JOURNALS AND CONFERENCES INCLUDING:

Causal Analysis Workshop Series [CAWS]

Judgment & Decision Making

Journal of Applied Cognitive Psychology

Journal of Abnormal Psychology [now JOPACS]

Schizophrenia Research

Psychiatry Research

Social Science Computer Review

Cognition & Emotion

PROFESSIONAL MEMBERSHIPS:

Society for Research on Psychopathology (SRP)
Schizophrenia International Research Society (SIRS)

INVITED GRANT REVIEWER FOR:

APA/Centers for Disease Control and Prevention: Psychological Science Addressing COVID-19
Priorities

COMPETITIVE GRANTS AWARDED

DARPA NEAT: Fast, Reliable Electrical Unconscious Detection (PI Widge, Co-I [EMA
Research Lead]: Bronstein at 20% effort; \$15 million direct costs).

University of Minnesota Medical School SARS-CoV-2 Strategic Response Fund (Co-Is:
Bronstein, Vinogradov; direct costs: \$20,000)

Yale Graduate Student Assembly's Conference Travel Award: \$500

Yale Graduate Student Assembly's Conference Travel Award: \$750

Washington and Lee Johnson Opportunity Grant: \$2500

COMPETITIVE GRANTS PENDING / UNDER REVIEW

- 1) ONR Long-Range BAA: Applying Data Science to Ascertain Causal Pathways from
Cognition to Warfighter Performance (PI: Bronstein at 25% effort; \$853,446 total costs)
- 2) K01: Using Data Science to Quantify the Impact of Misinformation, Mistrust, and Other
Key Psychosocial Factors on Vaccine Hesitancy Among Vulnerable People Experiencing
Psychopathology (A0 Impact Score: 38; PI: Bronstein at $\geq 75\%$ effort; \$250,000 direct
costs)
- 3) U01: LEAPP (PI: Vinogradov, Co-I: Bronstein at 20% effort)

COMPETITIVE GRANTS IN REVISION / IN PREP

TEACHING AND MENTORING EXPERIENCE

Tutorial: Research Skills for New Faculty in the Department of Psychiatry

Designed and lead a comprehensive tutorial on research skills for new professors in the Department of Psychiatry, including those necessary to design innovative and impactful research programs and secure funding for NIH grants, thereby supporting transitions into academic research for UMN faculty from minority/underrepresented and/or clinical backgrounds.

Guest Lectures

Previous guest lectures at Ghent University (Belgium; “Expert Q&A: Schizophrenia”; undergraduates), and University of Minnesota (USA; “False beliefs across Psychopathologies [and how to Combat Medical Misinformation];” psychiatry residents).

Laboratory Section Leader: Introductory Statistics

Scaffolded student knowledge about statistics concepts and their practical application according to students’ zone of proximal development. Created lessons to accompany laboratory exercises.

Teaching Assistant: Introductory Psychology Courses

Assisted with courses serving as introductions to cognitive science, emotional intelligence, and positive psychology.

Yale Graduate Writing Lab/Washington and Lee Undergraduate Writing

Center/Freelance Writing Tutor

As a writing consultant, I worked one-on-one with writers to encourage development of independent writing skills, including through development of lessons on points of grammar and style. This role included substantial work with multilingual and ESL students, building upon my work in a similar role at my undergraduate institution. I have continued this work as a freelance writing tutor.

Mentorship

Mentored multiple undergraduates in research design, analysis, and methods. Mentee products include honors theses and posters.

CLINICAL WORK

Specialized Treatment Early in Psychosis (STEP) Clinic

In this role, I provided evidence-based therapeutic interventions designed to support individuals who recently had a first episode of psychosis (CBT/DBT/MCT) and their families (FFT).

Became certified to administer the SIPS interview for identifying individuals at risk for psychosis (see: <https://thesipstraining.com/>).

Yale Psychology Department Clinic

In this role, I provided evidence-based therapeutic interventions for depression, anxiety, and obsessive-compulsive disorder through individual therapy. I co-led three therapy groups (two DBT-informed groups and one CBT group). Additionally, I gained experience administering the WAIS-IV and WMS-IV and conducted multiple SCID interviews.

Direct Care: Wediko Children's Services (AmeriCorps Professional Corps Member)

In this role, I provided 24-hr direct care counseling services at an intensive, 45-day residential treatment program for children ages 7-20 with a wide range of emotional/behavioral issues and psychiatric disorders. During this time, I facilitated individual and group therapies and engaged in several therapeutic interventions on a daily basis. I also developed engaging activities geared towards behavior modification, emotion regulation, and improving social skills. Research activities tracking behavior change across the program were completed simultaneously.

ACTIVITIES, ACCOLADES, AND CERTIFICATIONS

Society of Biological Psychiatry (SOBP) Early Career Investigator Travel Award (2021)

Kingsley Trust Association Fellow [Yale] (Spring 2020)

Jonathan Bourne Fellow (Fall 2019)

A prestigious endowed fellowship awarded at Yale on the basis of scholarly excellence.

Oliver Award (2015)

Award given to one student/year for the consistent demonstration of intellectual curiosity across the breadth of the field of psychology.

Elmes Pathfinder Prize (2014)

A cash prize given to one senior who has demonstrated exceptional promise for a career in psychological science through outstanding scholarship in basic or applied psychology.

James McDowell Scholarship (2014)

A cash prize given to 6 students/year at Washington and Lee for outstanding 2-year records of achievement.

Washington and Lee Psychology Department Award (2014)

A cash prize given to the rising senior with the highest overall GPA in the department.

Johnson Scholar (2011-2015)

Highest merit scholarship award given at Washington and Lee University (full tuition award).

Robert Alexander Prize (2013)

Given to 1 person/year for exceptional academic achievement at Washington and Lee.

Sidney M. B. Coulling Prize (2012)

For best essay on a literary topic by a first-year student at Washington and Lee University.

National Merit Scholarship (2011-2015)

Eagle Scout

Other Publications

Bronstein, M.V. (2017). Hunters' Moon. In: *Virginia's Best Emerging Poets (2017)*. Z Publishing House, p. 108.