**William N. Koller**

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**EDUCATION**

2019 - **Yale University, Ph.D. Student in Clinical Psychology**

 **New Haven, Connecticut**

 Advisor: Tyrone D. Cannon, Ph.D.

2013-2017 **Bates College, Bachelor of Arts, Cum Laude**

 **Lewiston, Maine**

Majors: Psychology (Biological & Health)

 French and Francophone Studies

 Minor: Chemistry

2016 **University of Melbourne, Undergraduate Coursework**

 **Melbourne, VIC, Australia**

Semester abroad

**HONORS AND AWARDS**

2016-2017 **Bates College Student Research Fund Recipient:** Received competitive grant of $350 for independent research

2014-2017 **Bates College Dean’s List for Academic Excellence:** 5 semesters

2017 **Phi Beta Kappa**

2017 **Departmental Honors in Psychology**

2016 **University of Melbourne Honours 1:** Equivalent of Dean’s List; 1 semester

2015 **Bates College Albion Morse Stevens Award in Foreign Language**

**RESEARCH EXPERIENCE**

**Clinical Neuroscience Lab Graduate Student** (August 2019 –)

*Yale University, Department of Psychology*

*Principal Investigator: Tyrone D. Cannon, Ph.D.*

* Independently designed, conducted, and analyzed studies exploring the association between memory biases and delusion-proneness
* Acquired expertise in data analysis in R; behavioral experiment design in Javascript
* Developing research program focusing on the cognitive mechanisms of belief formation and revision across the psychosis spectrum

**Postgraduate Associate** (August 2017 – July 2019)

*Yale School of Medicine, Department of Radiology and Biomedical Imaging*

*Principal Investigator: Michelle Hampson, Ph.D.*

* Member of small team running three clinical trials evaluating real-time fMRI neurofeedback as a treatment for OCD, PTSD, and Tourette Syndrome
* Phone-screened participants for symptoms of OCD, PTSD, and other mental disorders
* Performed structured clinical interviews (MINI, Y-BOCS, SCID-II)
* Negotiated contracts with third-party recruitment company; designed online recruitment and prescreening pipelines using Qualtrics, Facebook and Google advertisements
* Ran participants through MRI protocol using a Siemens Magnetom Prisma 3T
* Prepared manuscripts for publication by writing, editing, compiling feedback from multiple authors, and making figures
* Acquired 100+ hours of experience in fMRI data analysis, from preprocessing to group-level analyses done both manually and using shell scripting

**Honors Thesis Student** (Fall 2016, Winter 2017)

*Bates College, Psychology Department*

*Thesis Advisor: Sara Masland, Ph.D.*

* Designed and conducted an empirical study examining the relationship between emotion regulation and alexithymia in individuals with depressive and anxious symptoms
* Used E-Prime, EKG, and Qualtrics surveys to run 100+ students through study protocol involving behavioral (emotional Stroop task) and psychophysiological (heart rate variability) measures
* Defended thesis to panel of examiners (including faculty external to Bates), was competitively selected for Honors based on thesis and performance in the Psychology major

**University of Vermont Wellness Environment Intern** (Summer 2016)

*University of Vermont, Burlington, VT*

*Principal Investigator: James J. Hudziak, M.D.*

* Member of small team designing a longitudinal research project focused on technology-assisted wellness and behavior change in a residential student environment
* Conducted literature reviews, helped develop IRB research proposal
* Participated in app concept development

**PUBLICATIONS**

Ongchoco, J. D. K.,\* **Koller, W. N.,\*** Bronstein, M. V., Yates, T. S., Cannon, T. D., Scholl, B. (in prep). The influence of perceived event segmentation on temporal memory is diminished for individuals high in paranoia.

*\*denotes equal contribution*

**Koller, W. N.** & Cannon, T. D. (under revision). Aberrant memory and delusionality: A pernicious partnership?

**Koller, W. N.** & Cannon, T. D. (under revision). Paranoia is associated with reduced sensitivity to preceding contextual cues during mnemonic discrimination.

**Koller, W. N.** & Cannon, T. D. (2021). Paranoia is associated with impaired novelty detection and overconfidence in recognition memory judgments. *J Abnorm Psychol, 130*(3), 273-285. doi:10.1037/abn0000664

Sukhodolsky, D. G., Walsh, C., **Koller, W. N.**, Eilbott, J., Rance, M., Fulbright, R. K., . . . Hampson, M. (2020). Randomized, sham-controlled trial of real-time fMRI neurofeedback for tics in adolescents with Tourette Syndrome. *Biological Psychiatry*. doi:10.1016/j.biopsych.2019.07.035

Rance, M., Walsh, C., Sukhodolsky, D. G., Pittman, B., Qiu, M., Kichuk, S.A., Gruner, P., Wasylink, S., **Koller, W. N.**, Bloch, M., Scheinost, D., Pittenger, C., & Hampson, M. (2018). Time course of clinical change following neurofeedback. *NeuroImage, 181*, 807-813. doi:10.1016/j.neuroimage.2018.05.001

Brooks, H., Kichuk, S. A., Adams, T. G., **Koller, W. N.**, Eken, H. N., Rance, M., Monahan, S., Wasylink, S., Kelmendi, B., Pittenger, C., Gruner, P., & Hampson, M. (2018). Developing image sets for inducing obsessive-compulsive checking symptoms. *Psychiatry Research,* *265*, 249-255. doi:10.1016/j.psychres.2018.04.035

**POSTERS AND PRESENTATIONS**

**Koller, W.N.**, Cannon, T. D.(2022, April). *Paranoia is associated with reduced sensitivity to preceding contextual cues during mnemonic discrimination.* Poster presented at the 2022 Congress of the Schizophrenia International Research Society, Florence, Italy.

**Koller, W.N.**, Ongchoco, J. D. K., Bronstein, Michael V., Scholl, B., Cannon, T. D. (2021, November). *Events are remembered as having occurring more recently in paranoia.* Poster presented at the 55th Annual Convention for the Association for Cognitive and Behavioral Therapies (virtual).

**Koller, W.N.**, Cannon, T. D. (2020, April). *Context-nonspecific familiarity and novelty detection deficits in subclinical paranoia.* Poster accepted for the 2020 Congress of the Schizophrenia International Research Society (virtual).

**Koller, W.N.**, Hampson, M.(2019, June). *Time course of clinical change induced by neurofeedback.* Presentation given at the 14th World Congress of Biological Psychiatry, Vancouver, BC.

**Koller, W. N.**, Hampson, M. (2019, January). *Time course of clinical change following neurofeedback.* Presentation given at Yale Child Study Center Research in Progress Seminar, New Haven, CT.

Gruner, P., **Koller, W. N.**, Anticivec, A., Pittenger, C. (2018, December). *Aberrant causal reasoning in obsessive-compulsive disorder (OCD) – Preliminary findings.* Poster presented at the 57th Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, FL.

**Koller, W. N.**, Rance, M., Eilbott, J., Gruner, P., Wasylink, S., Kichuk, S. A., Scheinost, D., Pittenger, C., & Hampson, M. (2018, September). *Resting state connectivity predicts neurofeedback response in OCD.* Poster presented at the 6th Biennial Conference on Resting State and Brain Connectivity, Montreal, QC, Canada.

**Koller, W. N.** & Masland, S. R. (2018, April). *Rethinking reappraisal: Evidence for a context-based model of cognitive reappraisal*. Poster presented at the 39th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, New Orleans, LA.

Rance, M., Gruner, P., Wasylink, S., Kichuk, S. A., **Koller, W. N.**, Scheinost, D., Pittenger, C., & Hampson, M. (2017, November). *Neurofeedback of the orbitofrontal cortex produces clinical improvement in obsessive-compulsive disorder (OCD) that grows over time*. Poster presented at the Real-Time Functional Imaging and Neurofeedback Conference (rtFIN), Nara, Japan.

**Koller, W. N.** & Masland, S. R. (2017, March). *Subclinical depression, anxiety, and alexithymia: Implications for implicit and explicit regulation*. Presentation given at the Mount David Summit at Bates College, Lewiston, ME.

**PROFESSIONAL SERVICE AND MENTORSHIP**

**Yale Psychology “Sneak Peek” Mentor** (Spring 2020 –)

*Yale University, Psychology Department*

* Provided in-depth, one-on-one mentorship in an immersive program for students from underrepresented backgrounds who are interested in pursuing a Ph.D. in Psychology
* Served as panel member in forum for applicants to Clinical Psychology programs

**Yale Undergraduate Thesis Advisor** (Fall 2021 – Spring 2022)

*Yale University, Psychology Department*

* Advised undergraduate student on projects involving secondary data analysis
* Facilitated completion of undergraduate thesis project, including independent data collection, data analysis in R, manuscript preparation, and submission to peer-reviewed journal

**Ph.D. “Mentor Match” Mentor** (Spring 2020 – Spring 2021)

*Remote Mentorship*

* Offered ad-hoc mentorship to students from underrepresented backgrounds who are interested in pursuing a Ph.D. in Psychology

**Current Works in Clinical Psychology Coordinator** (Fall 2020 – Spring 2021)

*Yale University, Psychology Department*

* Organized and hosted weekly talk series focusing on current clinical research

**Yale Psychology Interview Weekend Coordinator** (Winter 2020)

*Yale University, Psychology Department*

* Planned and executed multi-day interview for dozens of prospective students

**WORK AND VOLUNTEER EXPERIENCE**

**French Language Interpreter** (2016-2017)

*Immigrant Legal Advocacy Program, Lewiston, ME*

* Worked as an interpreter for a non-profit organization that provides legal aid to francophone asylum seekers from African countries

**Teaching Assistant** (2014-2016)

*Bates College, Psychology Department; Department of French and Francophone Studies*

* Tutored students in statistics and SPSS; in French writing and grammar

**Individual Respite Service Provider** (Summer 2015)

*Counseling Service of Addison County, Middlebury, VT*

* Received on-site training in respite service techniques (e.g., conflict resolution, alliance-building)
* Worked one-on-one with adolescent client, providing daily care and supervision

**Residential Treatment Center Intern** (Fall 2011)

*L’Association du Champ de la Croix, Orbey, France*

* Worked as a companion and assistant in a medical/educational residential treatment center for francophone individuals with developmental disabilities

**SKILLS**

**Technical**

* R
* Javascript
* UNIX
* Qualtrics
* fMRI Data Analysis (100+ hours) – BioImage Suite
* LabChart
* SPSS

**Clinical**

* Phone Screening
* REDCap Data Management
* Structured Clinical Interviewing and Psychological Assessment – MINI and SCID-5 (20+ hours)
* Psychotherapy – CBT, ACT, DBT, relational techniques (200+ hours)
* Clinical Writing and Communication (50+ hours)