

# COLLEEN C FRANK

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## EDUCATION

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- 2021 Ph.D. | Psychology [Cognition & Cognitive Neuroscience]  
University of Michigan (Ann Arbor, MI)  
Advisor: Patricia Reuter-Lorenz
- 2018 M.S. | Psychology [Cognition & Cognitive Neuroscience]  
University of Michigan (Ann Arbor, MI)
- 2016 B.A. | Psychology & Spanish, Neuroscience minor  
Butler University (Indianapolis, IN)

## ACADEMIC POSITIONS

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- 2021 – Present Postdoctoral Research Associate  
Center for Vital Longevity, The University of Texas at Dallas (Dallas, TX)
- Summer 2021 Visiting Scholar  
Center for Adaptive Rationality, Max Planck Institute for Human  
Development (Berlin, Germany)

## RESEARCH INTERESTS

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Aging, Decision Making, Emotion

## PUBLICATIONS

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- Frank, C. C., Iordan, A. I., & Reuter-Lorenz, P. A. (2023). Biden or Trump?: Working memory for emotion predicts the ability to forecast future feelings. *Emotion*. Advanced Online Publication. [\[Link\]](#)
- Frank, C. C. & Seaman, K. L. (2023). Aging, uncertainty, and decision making—A review. *Cognitive, Affective, & Behavioral Neuroscience*. Advanced Online Publication. [\[Link\]](#)
- Frank, C. C., Mundy, L., & Smith, J. R. (2023). Life course engagement in enriching activities: When and how does it matter for cognitive aging? *Psychology and Aging*, 38(4), 263–276. [\[Link\]](#) \*Paper selected as APA Editor's Choice
- Frank, C. C., Iordan, A. I., Ballouz, T. L., Mikels, J. A., & Reuter-Lorenz, P. A. (2021). Affective forecasting: A selective relationship with working memory for emotion. *Journal of Experimental Psychology: General*, 150(1), 67–82. [\[Link\]](#)
- Lineweaver, T. T., Kercood, S., Morgan, E. B., Rampone, S. L., Frank, C. C., McLuckie, S. A., & Reed, M. F. (2020). Working memory in collegiate athletes and non-athletes: A comparison of team-sport athletes, solo-sports athletes, frequent exercisers and infrequent exercisers. *OBM Integrative and Complementary Medicine*, 5(1), 1–14. [\[Link\]](#)
- Kercood, S., Lineweaver, T. T., Frank, C. C. & Fromm, E. D. (2017). Cognitive flexibility and its relationship to academic achievement and career choice of college students with and without attention deficit hyperactivity disorder. *Journal of Postsecondary Education and Disability*, 30(4), 329–342. [\[Link\]](#)

## HONORS & AWARDS

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2023	Habits, Ideals, Values and Ethics (HIVE) Award for Human Subjects Research, Office of Research and Innovation, University of Texas at Dallas
2022	Graduate Commencement Speaker, Psychology Department, University of Michigan
2021	Federation of Associations in Behavioral & Brain Sciences (FABBS) Doctoral Dissertation Research Excellence Award
2021	Cognition and Cognitive Neuroscience Area Nominee, Marquis Award (Best Doctoral Dissertation in Psychology), Psychology Department, University of Michigan
2019	Rackham Outstanding Graduate Student Instructor Award, Rackham School of Graduate Studies, University of Michigan
2019	Psychology Outstanding Graduate Student Instructor Award, Department of Psychology, University of Michigan
2018 – 2021	International Max Planck Research School on the Life Course <a href="#">[LIFE]</a> Fellow—Evolutionary and Ontogenetic Dynamics joint PhD program [Fellow Speaker 2019-2020]
2016	Top 100 Outstanding Students, Butler University
2016	Phi Beta Kappa, Butler University
2015	Top 100 Outstanding Students, Butler University
2015	Burrton Woodruff Undergraduate Research Award for Excellence in Methodology, Research Design, or Statistical Analysis, Psychology Department, Butler University
2015	Edgar Lee Yeager Memorial Award for Scholarly Excellence, Psychology Department, Butler University
2014 – 2016	Psi Chi [Chapter President 2015-2016], Butler University

## FELLOWSHIPS, GRANTS, & TRAVEL AWARDS

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2022	Kavli Summer Institute in Cognitive Neuroscience Fellowship, University of California, Santa Barbara
2020	Rackham Graduate Student Doctoral Research Grant, University of Michigan
2018	Rackham Travel Grant, Rackham Graduate School, University of Michigan
2018	Rackham Graduate Student Predoctoral Research Grant, University of Michigan
2017	Rackham Travel Grant, Rackham Graduate School, University of Michigan
2016	Association for Psychological Science (APS) Travel Stipend
2015	Butler Summer Institute (Undergraduate Research Program) Scholarship, Butler University

2015                                      Stuart Research Prize, Butler University  
2015                                      Holcomb Honors Thesis Grant, Butler University

## SELECTED CONFERENCE PRESENTATIONS

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\*Indicate student mentees

- Larson, S. L., Patmore, E. A., Burley, A., Devedjian, A., Frank, C. C. & Lineweaver, T. T. (2023, May). A comparison of the reliability and validity of the Emotional Prosody Assessment when administered face-to-face versus online. Poster presented at the annual meeting for the Association for Psychological Science, Washington, D.C.
- Frank, C. C., \*Shrestha, N., \*Hagi, L., \*Vijayaraghavan, G., \*Blake, I., \*Chinn, M., \*Nygaard, K., Pillai, S., & Seaman, K. L. (2023, February). The role of memory for positive information in skewed decision making across the lifespan. Poster presented at the biannual meeting for the Scientific Research Network on Decision Making, Neuroscience, and Aging, Santa Barbara, CA.
- \*Smitherman, I. W., Frank, C. C., \*Omari, Q., \*Rasool, J., & Seaman, K. L. (2023, April). The role of affective arousal in the description-experience gap of risky decision making: A skin conductance response (SCR) study. Poster presented at the annual meeting of the Social and Affective Neuroscience Society, Santa Barbara, CA.
- Frank, C. C., \*Shrestha, N., \*Hagi, L., \*Vijayaraghavan, G., \*Blake, I., \*Chinn, M., \*Nygaard, K., Pillai, S., & Seaman, K. L. (2023, February). The role of memory for positive information in skewed decision making across the lifespan. Poster presented at the Dallas Aging & Cognition Conference, Dallas, TX.
- Sarver, K. A.<sup>1</sup>, Frank, C. C.<sup>1</sup>, \*Mann Bryant, J. L., Iordan, A. D., & Reuter-Lorenz, P. A. (2023, February). Revisiting the effects of age on affective working memory in an online lifespan sample. Poster presented at the Dallas Aging & Cognition Conference, Dallas, TX. <sup>1</sup>*Authors contributed equally to this work.*
- Frank, C. C. & Pachur, T. (2022, October). Affect-rich vs. affect-poor risky decision making in older and younger adults. Poster presented at the annual meeting for the Society for Neuroeconomics, Arlington, VA.
- Frank, C. C., Meister, L., & Smith, J. R. (2022, May). Life course engagement in enriching activities: When and how does it matter for cognitive aging? Poster presented at the Cognitive Neuroscience of Aging Symposium, Dallas, TX.
- Burley, A., Devedjian, A., Frank, C. C., & Lineweaver, T. T. (2022, May). A new measure of emotional prosody recognition: Reliability and validity of the Emotional Prosody Assessment. Poster presented at the annual meeting for the Association for Psychological Science, Chicago, IL.
- Frank, C. C., Meister, L., & Smith, J. R. (2022, April). Cognitive functioning in later life: Does lifespan enrichment make a difference? Poster presented at the Cognitive Aging Conference, Atlanta, GA.
- Frank, C. C., Iordan, A. D., \*Ballouz, T. L., Mikels, J. A., & Reuter-Lorenz, P. A. (2020, April). The role of affective working memory in affective forecasting and emotion regulation. Poster accepted for presentation at the annual meeting for the Society for Affective Science, San Francisco, CA (Conference canceled).

- Frank, C. C., Jordan, A. D., Mikels, J. A., & Reuter-Lorenz, P. A. (2018, November). Affective forecasting: A selective relationship with working memory for emotion. Poster presented at the annual meeting for the Psychonomic Society, New Orleans, LA.
- Frank, C. C., Flandermeyer E. M., & Lineweaver, T. T. (2017, March). Relative preservation of emotion recognition abilities in women compared to men with Parkinson's disease. Poster presented at the annual meeting of the Cognitive Neuroscience Society, San Francisco, CA.
- Frank, C. C., Flandermeyer, E. M., & Lineweaver, T. T. (2016, May). Gender-advantage in prosodic and facial expression emotional recognition preserved in Parkinson's disease. Poster presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
- Frank, C. C., Westfall, D. R., Howell, J. M., Bolbecker, A. R., O'Donnell, B. F., & Hetrick, W. P. (2015, May). Cerebellar-dependent task performance and cognitive function: Evidence of altered relationships in schizophrenia and bipolar disorder. Poster presented at the annual meeting for the Association for Psychological Science, New York City, NY.
- Frank, C. C., Molfese, D. L., Gozal, D., Waford, R., Garrod, K., & Roman, A. (2015, May). Basic speech perception deficits in simulated microgravity and controlled sleep loss. Poster presented at the annual meeting for the Aerospace Medical Association, Orlando, FL.
- Frank, C. C., Fromm, E. D., Lineweaver, T. T., & Kercood, S. (2014, May). Cognitive flexibility & academic achievement in college students with and without ADHD. Poster presented at the Association for Psychological Science meeting, San Francisco, CA.
- McLuckie, S. A., Frank, C. C., Reed, M. F., Morgan, E. B., True, S. L., Lineweaver, T. T., & Kercood, S. (2013, May). Go team!: Team-sports beats individual-sports in working memory but loses in distractibility. Poster presented at the annual meeting for the Association for Psychological Science, Washington, D.C.

#### INVITED TALKS

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|---------------|--|
| February 2023 | “Mechanism of Affective Forecasting Accuracy” Department of Psychology, Southern Methodist University (Dallas, TX)   |
| October 2020  | “Individual Differences in Predictions of Future Feelings.” Integrative Indecision Neuroscience Lab (PI: Joseph Kable), University of Pennsylvania (virtual) |

#### RESEARCH TALKS

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|---------------|---|
| February 2022 | “Predicting Real-World Feelings: The Role of Working Memory for Emotion.” Science Luncheon Series, The Center for Vital Longevity, The University of Texas at Dallas (Dallas, TX)       |
| May 2021      | “Working Memory for Emotion Predicts Real-World Forecasting Accuracy.” Biannual academy for the International Max Planck Research School on the Life Course (virtual)                   |
| May 2019      | “Affective Forecasting: A Selective Relationship with Working Memory for Emotion.” Biannual academy for the International Max Planck Research School on the Life Course (Ann Arbor, MI) |
| February 2019 | “The (In)Efficacy of Cognitive Training.” Cognitive Science Community, University of Michigan   |

February 2018 "Affective Forecasting: The Role of Affective Working Memory." Cognitive & Cognitive Neuroscience Area Forum, University of Michigan

## TEACHING INTERESTS

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Cognitive Psychology, Decision Neuroscience, Psychology of Aging, Research Methods

## TEACHING EXPERIENCE

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Number of students; Median student rating [1-5] of overall instructional quality (semester); †denotes lead graduate student instructor

### University Courses

University of Michigan

2019

Instructor of Record

Emotion and Memory

17 students; 4.7/5.0 (Fall 2019)

2017 – 2019

Graduate Student Instructor

Research Methods in Psychology

40 students; 4.9/5.0 (Winter 2019)

40 students; 4.9/5.0 (Fall 2018)

Introduction to Cognitive Psychology

75 students; 5.0/5.0 (Winter 2018)<sup>†</sup>

75 students; 4.9/5.0 (Fall 2017)

17 students; 5.0/5.0 (Winter 2017)

2018 – 2019

Academic Mentor, Summer Bridge Scholars Program

2018 – 2019

Academic Mentor, Athletic Department Academic Success Program

Butler University

2016

Visiting Teaching Assistant

The Neuro-Music Experience

Advanced Applied Neuroscience

2013 – 2016

Peer Tutor

Introduction to Psychology

Learning

Lifespan Developmental Psychology

### Guest Lectures

April 2023

Mechanisms of Forecasting Accuracy, Cognitive Science [graduate level], University of Texas at Dallas

April 2021

Judgment and Decision Making, Introduction to Cognitive Psychology [undergraduate level], University of Michigan

September 2018

Structure and Function of the Nervous System, Cognitive Neuroscience [graduate level], Eastern Michigan University (Ypsilanti, MI)

### Workshops & Presentations

August 2022

"Applying to Graduate School Workshop" (4 hours), Center for Vital Longevity, University of Texas at Dallas

June 2020	“Crafting the Perfect CV” (1 hour), Cognitive and Cognitive Neuroscience Professional Development Series, University of Michigan
Summer 2020	“The Role of the Graduate Student Instructor” (4 hours); Incoming Freshman Summer Orientation, Office of New Student Programs, University of Michigan
October 2019	“Thinking Ahead: Getting into Graduate School and Beyond” (1 hour), Neuroscience Student Association, University of Michigan
August 2019	“Graduate Student Teaching Orientation” (6 hours), Center for Learning and Research on Teaching, University of Michigan
Summer 2019	“The Role of the Graduate Student Instructor” (4 hours); Incoming Freshman Summer Orientation, Office of New Student Programs, University of Michigan
August 2019	“Introduction to E-Prime Software” (4 hours; Lead Instructor), fMRI Summer Training Course, University of Michigan
August 2018	“Introduction to E-Prime Software” (4 hours; Assistant Instructor), fMRI Summer Training Course, University of Michigan
August 2017	“Introduction to E-Prime Software” (4 hours; Assistant Instructor), fMRI Summer Training Course, University of Michigan

## RESEARCH MENTORSHIP EXPERIENCE

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Student names printed with permission or omitted for privacy.

### Honors Theses

2021	Re-examining the Divergent Aging Trajectories of Cognitive and Affective Working Memory (Jaden Mann Bryant)
2021	The Consequences of Positive and Negative Mood on Affective Working Memory (Natalie Austin)
2019	Affective Forecasting and the Dissociation of Cognitive and Affective Working Memory (Tara Ballouz)
2018	The Effects of Transcranial Direct Current Stimulation on Working Memory Training in Young Adults

### Independent Study Projects

2020	The Association between Value-Directed Memory and Working Memory Capacity (Deepthi Devireddy)
2019	The Effects of Transcranial Direct Current Stimulation and Working Memory Training on Near and Far Transfer (Kayla Clark)
2019	The Effects of Transcranial Direct Current Stimulation and Working Memory Training on Value-Directed Memory (Danielle Clark)

### Conference Presentations

2019	The Effects of Transcranial Direct Current Stimulation and Working Memory Training on Value-Directed Memory. Poster presented at the Butler Undergraduate Research Conference, Indianapolis, IN (Danielle Clark, Charlotte Thill, & Kayla Clark)
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- 2019 The Effects of Transcranial Direct Current Stimulation and Working Memory Training on Near and Far Transfer. Poster presented at the Butler Undergraduate Research Conference, Indianapolis, IN (Kayla Clark & Danielle Clark)
- 2018 The Effects of Transcranial Direct Current Stimulation on Working Memory Training. Poster presented at the Midwest Undergraduate Cognitive Science Conference, Bloomington, IN (Vikhyathi Pallerla & Haley Thomas)

## OUTREACH

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### Community Talks

*“The Aging Mind: What Happens to the Brain as we Age?”*

- January 2023 The First Unitarian Church of Dallas, Dallas, TX
- January 2023 The Senior Source/AmeriCorps Senior Companions, Dallas, TX
- November 2022 The Senior Source/AmeriCorps Staff Lunch & Learn, Dallas, TX
- October 2022 The Jewish Community Center of Dallas, Dallas, TX
- September 2022 The Senior Source/AmeriCorps Senior Companions, Dallas, TX
- July 2022 The Rotary Club of Dallas, Dallas, TX

### Youth Programs

- 2020 Activity Leader, Females Exceling More in Math, Sciences and Engineering (FEMMES) Annual Capstone Event, University of Michigan (event canceled due to Covid-19).
- 2019 Data Science Instructor, Michigan Institute for Data Science (MIDAS) High School Summer Camp, University of Michigan
- 2019 Activity Leader, Females Exceling More in Math, Sciences and Engineering (FEMMES) Annual Capstone Event, University of Michigan
- 2016 Activity Leader, Butler Brain Campaign: Neuroscience Conference for Kids, Butler University

### Mentorship

- 2019–2020 Peer Mentor, Psychology Graduate Student Association, University of Michigan
- 2019–2020 Graduate Mentor, Association for Women in Science, University of Michigan
- 2015–2016 Coordinator, Psychology Connection Mentorship Program, Butler University

## ACADEMIC SERVICE

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### Leadership

- 2023 Co-President/Director of External Affairs (Elected); University of Texas at Dallas Postdoctoral Association (UTDPDA), University of Texas at Dallas
- 2022 Co-Founder; UTDPDA; University of Texas at Dallas
- 2020-2021 Graduate Student Representative (Elected); Executive Committee; University of Michigan (UMich) Psychology Department

2020-2021	Departmental Associate; UMich Psychology Department
2019-2021	Graduate Student Leadership Council; UMich Psychology Department
<b>Committee Work</b>	
2022-2023	Inclusion, Diversity, Equity and Access (IDEA) Committee (2022-2023), University of Texas at Dallas
2019-2020	Student Academic Affairs Committee (2019-2020); University of Michigan (UMich) Psychology Department
2018-2019	Social Committee; UMich Cognition and Cognitive Neuroscience Area
2017-2019	Recruitment Committee; UMich Cognition and Cognitive Neuroscience Area
2016-2017	Forum Committee; UMich Cognition and Cognitive Neuroscience Area

### **Panel Presentations**

November 2019	“Postgraduate Paths”, Neuroscience Student Association, University of Michigan
August 2019	“Financial Planning”, Psychology Department Graduate Student Orientation, University of Michigan
February 2019	“Teaching Excellence”, Psychology Graduate Student Association, University of Michigan
August 2018	“Financial Planning”, Psychology Department Graduate Student Orientation, University of Michigan
December 2018	“Outstanding Graduate Student Instructor”, Teaching Academy, Department of Psychology, University of Michigan
August 2017	“The Graduate Student Experience”, Psychology Department Graduate Student Orientation, University of Michigan

### **AD-HOC PEER REVIEWING**

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#### **Invited Peer Reviews** [\[Publons\]](#)

Current Psychology  
 Journal of Gerontology: Psychological Sciences  
 Psychology & Aging

#### **Mentored Reviews**

Aging, Neuropsychology, and Cognition  
 Behavior Research Methods  
 NeuroImage

### **SOFTWARE PROFICIENCY**

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Experimental Design: PsychoPy; Pavlovia; E-Prime  
 Statistics: R, SPSS, JASP, G\*Power  
 Survey Development: Qualtrics, REDCap, Google Forms  
 Recruitment Platforms: Prolific, Sona Systems, mTurk

### **ADDITIONAL TRAINING**

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- 2021 Summer Institute on Bounded Rationality: Rethinking Behavioral Economics (35 hours), Max Planck Institute for Human Development, Berlin, Germany (virtual)
- 2021 Graduate Teacher Certificate, Center for Research on Learning and Teaching, University of Michigan
- 2019 Preparing Future Faculty (35 hours), Center for Research on Learning and Teaching, Rackham Graduate School, University of Michigan
- 2018 Summer Program in Quantitative Methods of Social Research (40 hours), Inter-University Consortium for Political and Social Research, University of Michigan
- 2016 fMRI Summer Training Course (45 hours), University of Michigan