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## Amy M. Belfi

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### EMPLOYMENT

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- 09/2023 – present     **Associate Professor**, Department of Psychological Science  
Missouri University of Science and Technology
- 12/2017 – 08/2023     **Assistant Professor**, Department of Psychological Science  
Missouri University of Science and Technology
- 06/2015-11/2017     **Postdoctoral Associate**, Department of Psychology  
New York University

### EDUCATION

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- 2010 - 2015     **Ph.D., Neuroscience**, University of Iowa  
Dissertation Advisor: Daniel Tranel
- 2006 - 2010     **B.A., Psychology**, St. Olaf College  
Concentrations in Neuroscience and Women's Studies

### PEER-REVIEWED PUBLICATIONS

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†Denotes student co-author

#### **2024 and in press**

- Mehl, K. †, Reschke-Hernandez, A. E., Hanson, J. †, Linhardt, L. †, Frame, J. †, Dew, M. †, Kickbusch, E. †, Johnson, C. †, Bai, E. †, & **Belfi, A. M.** (2024). Music-evoked autobiographical memories are associated with negative affect in younger and older adults. *Experimental Aging Research*. Online ahead of print.
- Frame, J. †, Mehl, K., † Head, K., & **Belfi, A. M.** (in press). The influence of sensory modality on aesthetic judgments of poetry. *Psychology of Aesthetics, Creativity, and the Arts*.

#### **2023**

- Mehl, K. †, Gugliano, M. †, & **Belfi, A. M.** (2023). The role of imagery and emotion in the aesthetic appeal of music, poetry, and paintings. *Psychology of Aesthetics, Creativity, and the Arts*. Online ahead of print.
- Jakubowski, K., **Belfi, A. M.**, Kvavilashvili, L., Ely, A. †, Gill M., & Herbert. G. (2023). Comparing music- and food-evoked autobiographical memories in young and older adults: A diary study. *British Journal of Psychology*, 114, 580-604.
- Frame, J. †, Gugliano, M. †, Bai, E. †, Briellmann, A., & **Belfi, A. M.** (2023). Your ears don't change what your eyes like: People can independently report the pleasure of music and

images. *Journal of Experimental Psychology: Human Perception and Performance*, 49, 774-785.

Pearson, E. †, Graff, J. †, Bai E. †, Jakubowski, K. & **Belfi, A. M.** (2023). Differences in autobiographical memories reported using text and voice during everyday life. *Memory*, 31, 393-405.

Davidson, W. †, Boulais, B. †, Tranel, D., & **Belfi, A. M.** (2023). Conceptual retrieval for unique entities does not require proper names. *Language, Cognition, & Neuroscience*, 38, 139-146.

Shank, D. B., Stefanik, C. †, Stuhlsatz, C. †, Kacirek, K. †, & **Belfi, A. M.** (2023). AI Composer Bias: Listeners like music less when they think it was composed by an AI. *Journal of Experimental Psychology: Applied*, 29, 676-692.

## 2022

**Belfi, A. M.**, Bai, E. †, Stroud, A. †, Twohy, R. †, & Beadle, J. N. (2022). Investigating the role of involuntary retrieval in music-evoked autobiographical memories. *Consciousness and Cognition*, 100, 103305.

**Belfi, A. M.**, Moreno, G., Gugliano, M. †, & Neill, C. † (2022). Musical reward across the lifespan. *Aging & Mental Health*, 26, 932-939.

## 2021

Jakubowski, K., **Belfi, A. M.**, & Eerola, T. (2021). Phenomenological differences in music- and television-evoked autobiographical memories. *Music Perception*, 38, 435-455.

**Belfi, A. M.**, Samson, D., Crane, J., & Schmidt, N. † (2021). Aesthetic judgments of live and recorded music: Effects of congruence between musical artist and piece. *Frontiers in Psychology*, 12, 618025.

**Belfi, A. M.**, & Kacirek, K. † (2021). The Famous Melodies Stimulus Set. *Behavior Research Methods*, 53, 34-48.

## 2020

Reschke-Hernandez, A. E., **Belfi, A. M.**, Guzman-Velez, E., & Tranel, D. (2020). Hooked on a feeling: Influence of brief exposure to familiar music on feelings of emotion in individuals with Alzheimer's disease. *Journal of Alzheimer's Disease*, 78, 1019-1031.

Pralus, A. \*, **Belfi, A. M.** \*, Hirel, C. \*, Leveque, Y., Fornoni, L., Bigand, E., Jung, J., Tranel, D., Nighoghossian, N., Tillmann, B. \* & Caclin, A. \* (2020). Recognition of musical emotions and their perceived intensity after unilateral brain damage. *Cortex*, 130, 78-93. \*Authors contributed equally

**Belfi, A. M.**, Bai, E. †, Stroud, A. † (2020). Comparing methods for analyzing music-evoked autobiographical memories. *Music Perception*, 37, 392-402.

Kasdan, A. †, & **Belfi, A. M.** (2020). Investigating a self-reference effect in musical aesthetics. *Experimental Results*, e9, 1-8.

**Belfi, A. M.**, & Loui, P. (2020). Musical anhedonia and rewards of music listening: Current advances and a proposed model. *Annals of the New York Academy of Sciences*, 1464, 99-114.

## 2019

- Belfi, A. M.** (2019). Emotional valence and vividness of imagery predict aesthetic appeal in music. *Psychomusicology: Music, Mind, and Brain*, *29*, 128-135.
- Vessel, E. A., Isik, A. I., **Belfi, A. M.**, Stahl, J., L., & Starr, G.G. (2019). The default-mode network represents aesthetic appeal that generalizes across visual domains. *Proceedings of the National Academy of Sciences*, *116*, 19155-19164.
- Belfi, A. M.\***, Vessel, E. A. \*, Briemann, A., Isik, A. I., Chatterjee, A., Leder, H., Pelli, D. G., & Starr, G. G. (2019). Dynamics of aesthetic experience are reflected in the default-mode network. *NeuroImage*, *188*, 584-597. \*Authors contributed equally
- Belfi, A. M.**, Kasdan, A. †, & Tranel, D. (2019). Anomia for musical entities. *Aphasiology*, *33*, 382-404.

## **2018**

- Belfi, A. M.**, Karlan, B. †, & Tranel, D. (2018). Damage to the medial prefrontal cortex impairs music-evoked autobiographical memories. *Psychomusicology: Music, Mind, and Brain*, *28*, 201-208.
- Schneider, B. †, Heskje, J. †, Bruss, J., Tranel, D., & **Belfi, A.M.** (2018). The left anterior temporal lobe is a convergence region mediating the relation between names and semantic knowledge for unique entities: Further evidence from a “recognition-from-name” study in neurological patients. *Cortex*, *109*, 14-24.
- Belfi, A. M.**, Kasdan, A. †, Rowland, J., Vessel, E. A., Starr, G. G., & Poeppel, D. (2018). Rapid timing of musical aesthetic judgments. *Journal of Experimental Psychology: General*, *147*, 1531-1543.
- Belfi, A. M.**, Vessel, E. A., & Starr, G. G. (2018). Individual ratings of vividness predict aesthetic appeal in poetry. *Psychology of Aesthetics, Creativity, and the Arts*, *12*, 341-350.

## **2017**

- Belfi, A. M.**, Evans, A. †, Heskje, J. †, Bruss, J., & Tranel, D. (2017). Musical anhedonia after focal brain damage. *Neuropsychologia*, *97*, 29-37.

## **2016**

- Belfi, A. M.**, Bruss, J., Karlan, B. †, Abel, T. J., & Tranel, D. (2016). Neural correlates of musical instrument recognition and naming. *Neuropsychology*, *30*, 860-868.
- Belfi, A. M.**, Chen, K-H, Schneider, B. †, & Tranel, D. (2016). Neurological damage disrupts normal sex differences in psychophysiological responses to music. *Psychophysiology*, *53*, 14-20.
- Belfi, A. M.**, Karlan, B. †, & Tranel, D. (2016). Music evokes vivid autobiographical memories. *Memory*, *24*, 979-989.
- Abel, T. J., Manzel, K., Bruss, J., **Belfi, A. M.**, Howard, M. A. III., & Tranel, D. (2016). The cognitive and behavioral effects of meningioma lesions involving ventromedial prefrontal cortex. *Journal of Neurosurgery*, *124*, 1568-1577.

## **2015**

- Belfi, A. M.**, Koscik, T. R., & Tranel, D. (2015). Damage to the insula is associated with abnormal interpersonal trust. *Neuropsychologia*, *71*, 165-172.

## **2014**

- Belfi, A. M. & Tranel, D.** (2014). Impaired naming of famous musical melodies is associated with left temporal polar damage. *Neuropsychology*, *28*, 429-435.
- Belfi, A. M., Conrad, A. L., Dawson, J., & Nopoulos, P.** (2014). Masculinity/Femininity predicts brain volumes in normal healthy children. *Developmental Neuropsychology*, *39*, 25-36.

## BOOK CHAPTERS

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- Belfi, A. M.** (2022). Musical signs and the human organism. In Adolfo M. Garcia, Agustin Ibanez (Eds.), *The Routledge Handbook of Semiosis and the Brain*. Routledge.
- Belfi, A. M.** (2022). Neuroscience measures of music and mental imagery. In M. B. Kussner, L. Taruffi, G. A. Floridou (Eds.), *Music and Mental Imagery*. (pp. 101-111). Routledge.
- Belfi, A. M. & Loui, P.** (2022). The music system. In M. Nadal and M. Skov (Eds.). *The Routledge International Handbook of Neuroaesthetics*. (pp. 315-336). Routledge.
- Belfi, A. M., Pralus, A., Hirel, C., Tranel, D., Tillmann, B.\*, Caclin, A.\*** (2021). Investigating musical emotions in people with unilateral brain damage. In A. Chatterjee & E. Cardilo (Eds.), *Brain, Beauty, and Art: Essays Bringing Neuroaesthetics into Focus*. (pp. 170). Oxford University Press.
- Starr, G. G. & Belfi, A. M.** (2020). Pleasure. In M. Rubery & L. Price (Eds.), *Further Reading*. Oxford University Press.

## OTHER PUBLICATIONS

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### EDITORIALS

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- Belfi, A. M., & Jakubowski, K.** (2021). Music and autobiographical memory. *Music & Science*, *4*, 1-5.
- Baker, D. J., Belfi, A. M., Creel, S., Grahn, J., Hannon, E., Loui, P., Margulis, E. H., Schachner, A., Schutz, M., Shanahan, D., & Vuvan, D. T.** (2020). Embracing anti-racist practices in the music perception and cognition community. *Music Perception*, *38*, 103-105.

### INVITED COMMENTARY AND BOOK REVIEW

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- Belfi, A. M.** (2021). Social bonding and music: Evidence from lesions to the ventromedial prefrontal cortex. *Behavioral and Brain Sciences*, *44*, E63.
- Belfi, A. M.** (2020). Review: The Oxford Handbook of Music and the Brain. Thaut, M. H., & Hodges, D. A. (Eds). *Perception*, *49*, 606-607.

### OTHER PUBLICATIONS

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- Bai, E. † & Belfi, A. M.** (2021). Exploring perceptual associations between color and music. *Journal of High School Science*. Online publication.
- Belfi, A. M., & Tranel, D.** (2015). Name that tune: What parts of our brains do we use for naming songs? *Frontiers for Young Minds*, *2*, 6.

## RESEARCH SUPPORT

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### CURRENT

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*National Institutes of Health* – NIA R15 AG075609-01

Project title: Music as an autobiographical memory cue across the lifespan  
Total costs: \$462,163  
01/15/2022 – 12/31/2024  
Role: PI

*Missouri S&T Seed Funding for Arts, Humanities, Social and Behavioral Sciences*  
Project title: Investigating music as an involuntary memory cue in healthy aging  
Total costs: \$20,000  
11/01/2022 – 10/31/2023  
Role: PI

**COMPLETED**

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*National Institutes of Health – NIA R15 AG075609-01S1*  
Project title: Music as an autobiographical memory cue across the lifespan, Diversity supplement  
Total costs: \$26,292  
01/15/2023 – 12/31/2023  
Role: PI

*Missouri S&T Intelligent Systems Center*  
Project title: Human vs. Artificial Intelligence: How composer identity influences aesthetic judgments of music  
Total costs: \$8587  
10/01/2020 – 09/30/2022  
Role: PI (with Co-PI Daniel Shank)

*Missouri S&T Center for Biomedical Research*  
Project title: Music as an involuntary memory cue in healthy aging  
07/01/2020 – 12/31/2021  
Total costs: \$13,200  
Role: PI

*Missouri S&T Center for Science, Technology, and Society*  
Project title: Investigating differences between the experience of live and streamed musical concerts  
01/01/2019 – 05/30/2020  
Total costs: \$5,000  
Role: PI (with Co-PI David Samson)

*University of Missouri Research Board*  
Project title: Age-related differences in involuntary remembering  
05/31/2018 – 05/30/2020  
Total costs: \$21,682  
Role: PI

*Grammy Museum Grant Program*  
Project title: Enhancing memory via music-evoked pleasure and novelty

05/08/2018 – 05/07/2019

Total costs: \$20,000

Role: Co-Investigator (PIs: Pablo Ripolles and David Poeppel)

*NYU Center for Brain Imaging Pilot Grant*

Project title: Neural dynamics underlying musical aesthetics.

03/23/2016 – 03/23/2017

Total costs: \$5,000

Role: PI

*Fraternal Order of Eagles Blackie Floyd Alzheimer's Fund*

Project title: Music and feelings in Alzheimer's disease.

3/28/2015 – 3/28/2017

Total costs: \$2,500

Role: Co-PI (with Co-PIs Alaine Reschke-Hernandez and Edmarie Guzman-Velez)

*Experiment.com crowdfunding*

Project title: Can music improve memories in patients with brain damage?

10/18/13 – 05/01/2015

Total costs: \$1,950

Role: PI

## **HONORS & AWARDS**

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2023	Faculty Service Award, Missouri S&T
2022	Appointed as a Fellow of the Psychonomic Society
2022	Faculty Research Award, Missouri S&T
2021	Faculty External Recognition Award, Missouri S&T
2021	Community Outreach Award, Missouri S&T
2021	Rising Star Award, Association for Psychological Science
2020	Outstanding Teaching Award, Missouri S&T
2018	Undergraduate Faculty Sponsor Award, Psi Chi Honor Society
2018	UM System Affordable & Open Educational Resources Grant
2018	Early Career Faculty Professional Development Grant, Missouri S&T
2017	Travel Award, Society for Music Perception and Cognition
2016	First Place Talk Award, Graduate Women in Science National Conference
2016	Travel Award, Graduate Women in Science
2016	Selected Participant, International Conference on Mobile Brain-Body Imaging and the Neuroscience of Art, Innovation and Creativity
2010	University of Iowa Presidential Fellowship
2015	<i>Cognitive Neuropsychology</i> Student Travel Award
2014	University of Iowa Graduate & Professional Student Government Travel Grant
2014	University of Iowa Graduate Student Senate Travel Grant
2014	Honorable Mention, Graduate Women in Science Fellowship
2014	Cognitive Neuroscience Society People's Choice Award
2014	<i>Cognitive Neuropsychology</i> Student Travel Award
2014	University of Iowa Graduate & Professional Student Government Travel Grant

2014	University of Iowa Graduate Student Senate Travel Grant
2013	University of Iowa Professional Development Grant
2013	Third Place, James F. Jakobsen Conference, University of Iowa
2013	University of Iowa Graduate Student Senate Travel Grant
2013	University of Iowa Graduate & Professional Student Government Travel Grant
2012	Third Place, James F. Jakobsen Conference, University of Iowa

## PRESENTATIONS

### INVITED TALKS

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- NIH Music as Medicine Workshop. December 2023.
- Vanderbilt, Department of Psychology and Human Development. November 2023.
- Missouri S&T, Department of Biology. September 2023.
- Ball State University, Department of Psychology. April 2023.
- New York University, Center for Language, Music, and Emotion. February 2023.
- University of Canterbury, School of Psychology, Speech and Hearing. March 2022.
- Stowers Institute for Medical Research. September 2021.
- MIT, Sagrado-MIT Pre-College Summer Program. July 2021.
- Princeton University, Department of Music. February 2021.
- Georgia Tech, Center for Music Technology. September 2020.
- USC, Neuroimaging and Informatics Program. September 2020.
- American Society of Interior Designers, MO East Chapter, St. Louis, MO. March 2020.
- University of Missouri – Columbia, Department of Psychology. October 2019.
- Southern Illinois University – Edwardsville, Department of Biology. September 2019.
- Saint Louis University, Department of Psychology. April 2019.
- Missouri S&T, Department of Biology. February 2019.
- Missouri Institute of Mental Health, St. Louis, MO. July 2018.
- University of Illinois College of Medicine, Peoria, IL. April 2018.
- University of Tennessee – Knoxville, School of Music. April 2018.
- Washington University, St. Louis, MO. March 2018.
- Anghami Digital Audio Day, Dubai, UAE. September 2017.
- Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany, May 2017.
- Interactive Advertising Bureau Audio Day, New York, NY. February 2017.
- Icahn School of Medicine at Mount Sinai, New York, NY. December 2016.
- Stony Brook University, Department of Psychology. Stony Brook NY. November 2016.
- Spotify, New York, NY. October 2016.
- Wesleyan University, Department of Psychology. Middletown, CT. September 2016.
- University of Notre Dame, Department of Psychology. Notre Dame, IN. September 2016.
- Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany. May 2016.
- St. Olaf College, Department of Psychology. Northfield, MN. March 2016.
- American Registry of Radiologic Technologists, St. Paul, MN. November 2014.

### CONFERENCE TALKS - INVITED

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- Music and autobiographical memory. *Southern Society for Philosophy and Psychology*, virtual conference, December 2020.
- The intersection of neuroscience and music therapy in mental health and well-being. *American Music Therapy Association*, virtual conference, November 2020.
- Music and emotion in Alzheimer's disease. *Graduate Women in Science*, St. Louis, MO, March 2020.

#### CONFERENCE TALKS - CONTRIBUTED

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- Investigating the role of involuntary retrieval in music-evoked autobiographical memories. *Society for Music Perception and Cognition*, Portland, OR, August 2022.
- Musical reward across the lifespan. *International Conference on Music Perception and Cognition*, virtual, July 2021.
- A comparison of methods for analyzing music-evoked autobiographical memories. *Society for Music Perception and Cognition*, New York, NY, August 2019.
- A musical self-reference effect. *Society for Music Perception and Cognition*, San Diego, CA, July 2017.
- Aesthetic differences between genres in poetry and music. *International Association of Empirical Aesthetics*, Vienna, Austria, August 2016.
- Investigating the timecourse of aesthetic judgments of music. *Graduate Women in Science*, Research Triangle Park, North Carolina, June 2016.
- Neural correlates of musical instrument recognition and naming. *Society for Music Perception and Cognition*, Nashville, TN, August 2015.
- The effect of expectancy on musical chord perception: Intracranial responses. *Midwestern Music Cognition Symposium*, Columbus, OH, May 2013.

#### POSTER PRESENTATIONS – NATIONAL/INTERNATIONAL CONFERENCES

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- Mehl, K. †, Gugliano, M. †, & **Belfi, A. M.** The role of imagery and emotion in the aesthetic appeal of poetry, music, and paintings. *American Psychological Association Annual Meeting*, Washington, D.C., August 2023.
- Belfi, A. M.**, Shank, D., Stefanik, C., Stuhsatz, C., & Kacirek, K. AI Composer Bias: Listeners like music less when they think it was composed by an AI. *Society for Music Perception and Cognition*, Portland, OR, August 2022.
- Davidson, W. †, Tranel, D., & **Belfi, A. M.** Conceptual retrieval for unique entities does not require proper names: Clarifying the role of the left temporal pole. *Cognitive Neuroscience Society*, virtual conference, March 2021.
- Stroud, A. †, Twohy, R. †, Bai, E. †, Neill, C. †, Gugliano, M. †, & **Belfi, A. M.** Voluntary and involuntary autobiographical memory retrieval across the lifespan. *Society for Neuroscience*, Chicago, IL, October 2019.
- Belfi, A. M.**, Kacirek, K. †. The Famous Melodies Stimulus Set: Development and normative data. *Society for Music Perception and Cognition*, New York, NY, August 2019.
- Belfi, A. M.**, Reschke-Hernandez, A., Guzman-Velez, E., & Tranel, D. Music and emotion in Alzheimer's disease. *Society for Neuroscience*, San Diego, CA, November 2018.
- Belfi, A. M.**, Schneider, B. †, Heskje, J. †, Bruss, J., & Tranel, D. The left anterior temporal lobe is a bidirectional convergence region mediating the relation between names and semantic knowledge for unique entities. Data blitz talk and poster given at the *Cognitive Neuroscience Society*, Boston, MA, March 2018.



- Kasdan, A. †, **Belfi, A. M.**, Rowland, J., Vessel, E. A., Starr, G. G., & Poeppel, D. Musical genre and familiarity influence the timing of aesthetic judgments. *Society for Music Perception and Cognition*, San Diego, CA, July 2017.
- Belfi, A. M.**, Vessel, E. A., Pelli, D. G., Chatterjee, A., Leder, H., & Starr, G. G. Transient versus sustained neural responses to pleasurable aesthetic experiences. *Cognitive Neuroscience Society*, San Francisco, CA, March 2017.
- Vessel, E. A., Isik, I., **Belfi, A. M.**, Stahl, J., & Starr, G. G. Aesthetic appreciation of cultural artifacts engages additional processes beyond a core domain-general system. *Cognitive Neuroscience Society*, San Francisco, CA, March 2017.
- Belfi, A. M.**, Vessel, E. A., Pelli, D. G., & Starr, G. G. Investigating the timecourse of aesthetic experience. *Society for Neuroscience*, San Diego, CA, November 2016.
- Reschke-Hernandez, A., Guzman-Velez, E., **Belfi, A. M.**, & Tranel, D. The effects of music listening on emotions and feelings in patients with dementia: Preliminary findings. *Music Therapy Association*, Sandusky, OH, November 2016.
- Belfi, A. M.**, Vessel, E. A., Rowland, J., Pelli, D. G., Poeppel, D., & Starr, G. G. Investigating the timecourse of aesthetic experience in music and art. *International Conference on Mobile Brain-Body Imaging and the Neuroscience of Art, Innovation and Creativity*. Cancun, Mexico, July 2016.
- Belfi, A. M.**, Rowland, J., Vessel, E. A., Starr, G. G., & Poeppel, D. Investigating the timecourse of aesthetic judgments of music. *International Conference on Music Perception and Cognition*. San Francisco, California, July 2016.
- Belfi, A. M.** Evans, A. † & Tranel, D. Music anhedonia in focal brain injury: A selective loss in musical pleasure. *Cognitive Neuroscience Society*, San Francisco, CA, March 2015.
- Belfi, A. M.** & Tranel, D. Damage to the medial prefrontal cortex is associated with impaired autonomic responses to music-evoked autobiographical memories. *Society for Neuroscience*, Washington DC, November 2014.
- Belfi, A. M.**, & Tranel, D. Damage to the medial prefrontal cortex is associated with abnormal music-evoked autobiographical memories. *Cognitive Neuroscience Society*, Boston, MA, April 2014.
- Belfi, A. M.**, Voss, M. W., Mani, M., Wong, C. N., Cooke, G., Sutterer, M. J., Clark, R., Tranel, D., McAuley, E., & Kramer, R. F. Age-related differences in the intrinsic functional connectivity of the default mode network. *Cognitive Neuroscience Society*, San Francisco, CA, April 2013.
- Sutterer, M. J., Voss, M. W., Mani, M., Wong, C. N., Cooke, G., **Belfi, A. M.**, Weng, T., Tranel, D., McAuley, E., & Kramer, R. F. Age-related differences in anterior cingulate-insula connectivity are associated with the fronto-executive but not emotional saliency network. *Cognitive Neuroscience Society*, San Francisco, CA, April 2013.
- Belfi, A. M.**, Rhone, A. E., McMurray, B., Oya, H., Kawasaki, H., & Howard, M.A. III. The effect of expectancy on musical chord perception: Behavioral and intracranial responses. *Society for Neuroscience*, New Orleans, LA, October 2012.
- Belfi, A.M.**, Conrad, A. L., Dawson, J., & Nopoulos, P. Masculinity/Femininity predicts brain volumes in normal healthy children. *Society for Neuroscience*, Washington D.C. November 2011.

- Mehl, K. †, Gugliano, M. †, & **Belfi, A. M.** The role of imagery and emotion in the aesthetic appeal of poetry, music, and paintings. *Midwestern Psychological Association Annual Meeting*, Chicago, IL, April 2023.
- Stefanik, C. †, Stuhlsatz, C. †, Shank, D., & **Belfi, A. M.** AI Composer Bias: Listeners like music less when they think it is composed by an AI. *Missouri S&T Intelligent Systems Center Poster Session*, Rolla, MO. November 2021.
- Kacirek, K. †, & **Belfi, A. M.** The Famous Melodies Task: Development and normative data. *Missouri S&T Undergraduate Research Conference*, Rolla, MO, April 2019. Winner: Second place in the Social Sciences category.
- Twohy, R. †, & **Belfi, A. M.** Investigating the effect of concussions on college athletes. *Missouri S&T Undergraduate Research Conference*, Rolla, MO, April 2019. Winner: Second place in the Proposed Research category.
- Peterson, A. †, Twohy, R. †, Bai, E. †, Neill, C. †, & **Belfi, A. M.** Age-related differences in voluntary and involuntary autobiographical memory. *Midwestern Psychological Association Annual Meeting*, Chicago, IL, April 2019. *Missouri S&T Undergraduate Research Conference*, Rolla, MO, April 2019. Winner: First place in the Social Sciences category.
- Belfi, A. M.**, Reschke-Hernandez, A., Guzman-Velez, E., & Tranel, D. Music and emotion in Alzheimer's disease. Talk given at the Ozark Biomedical Initiative Symposium, Rolla, MO, August 2018.
- Kacirek, K. †, & **Belfi, A. M.** The famous melodies task: Design, development, and use in studies of category knowledge. *Missouri S&T Undergraduate Research Conference*, Rolla, MO. April 2018. Winner: First Place in the Proposed Research category.
- Bowels Edwards, A. †, Schneider, B. †, **Belfi, A. M.**, & Tranel, D. The left temporal pole: A bidirectional convergence region for proper naming. Poster presentation at the Summer Undergraduate Research Festival, Iowa City, IA. July 2015.
- Schneider, B. †, **Belfi, A. M.**, & Tranel, D. Lesions to the left temporal pole affect retrieval of conceptual information. Poster presentation at the Spring Undergraduate Research Festival, Iowa City, IA. April 2015.
- Heskje, J. †, **Belfi, A. M.**, Evans, A. †, & Tranel, D. Music anhedonia in patients with focal brain lesions. Poster presentation at the Spring Undergraduate Research Festival, Iowa City, IA. April 2015.
- Schneider, B. †, Ekouevi, S. †, **Belfi, A. M.**, & Tranel, D. Retrieval of conceptual knowledge of unique items: Role of the left temporal pole. Poster presentation at the Fall Undergraduate Research Festival, Iowa City, IA, December 2014. *Winner: Commended Poster Presentation.*
- Evans, A. †, **Belfi, A. M.**, & Tranel, D. Music anhedonia: A selective loss of musical pleasure following focal brain damage. Poster presentation at the Carver College of Medicine Medical Student Research Day, Iowa City, IA, September 2014. *Winner: Best Basic Neuroscience Poster.*
- Ekouevi, S. †, **Belfi, A. M.**, & Tranel, D. Naming and knowing: Neural systems for retrieving knowledge for unique persons, places, and melodies. Poster presentation at the Summer Undergraduate Research Conference, Iowa City, IA, July 2014.
- Karlan, B. †, Schneider, B. †, Owens, A. †, **Belfi, A. M.**, & Tranel, D. The effect of damage to the medial prefrontal cortex on vividness of music-evoked autobiographical memories. Poster presentation at the Iowa Center for Research by Undergraduates, Iowa City, IA, April 2014.

- Belfi, A. M.** A neuropsychological investigation of music and autobiographical memory. Talk given at MidBrains: The Undergraduate Neuroscience Conference of the Upper Midwest, Bethel University, St. Paul, MN. October 2014.
- Belfi, A. M.,** Koscik, T. R., & Tranel, D. Damage to the insula is associated with abnormal interpersonal trust. Poster presentation at the 16<sup>th</sup> Annual James F. Jakobsen Conference, Iowa City, IA, March 2014.
- Wade, A. †, **Belfi, A. M.,** & Tranel, D. Increased vividness and emotionality of music-evoked autobiographical memories. Poster presentation at the University of Iowa Summer Undergraduate Research Conference, Iowa City, IA, July 2013.
- Belfi, A. M.,** Tranel, D. Impaired naming of famous musical melodies is associated with left temporal polar damage. Talk given at the 15<sup>th</sup> Annual James F. Jakobsen Conference, Iowa City, IA, April 2013. *Third Place Winner.*
- Belfi, A.M.,** Conrad, A. L., Dawson, J., & Nopoulos, P. Masculinity/Femininity predicts brain volumes in normal healthy children. Poster presentation at the 14<sup>th</sup> Annual James F. Jakobsen Conference, Iowa City, IA. March 2012. *Third Place Winner.*
- Belfi, A.M.,** Thorsheim, H. The effects of emotional images on heart rate variability. St. Olaf College, Northfield, MN. Poster presentation at the Minnesota Undergraduate Psychology Conference. Spring 2010.
- Belfi, A.M.,** Koscik, T., Tranel, D. Sex differences in factors influencing mate choices. University of Iowa Interdisciplinary Summer Undergraduate Research Program. Poster presentation at the University of Iowa Summer Undergraduate Research Conference. Summer 2009.
- Belfi, A.M.,** Bain, S., Brooks, H., & Kemen, A. Signal detection analyses of visual attention to body regions. St. Olaf College, Northfield, MN. Poster presentation at the Minnesota Undergraduate Psychology Conference. Spring 2009.
- Belfi, A.,** Bain, S., Brooks, H., & Kemen, A. Perceptions of body weight and Body Mass Index across genders. St. Olaf College, Northfield, MN. Poster presentation at the St. Olaf College Regents Hall Dedication Poster Session. Fall 2008.

## TEACHING

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### Missouri S&T

Graduate	Advanced Cognitive Psychology
Undergraduate	Cognitive Psychology
	Neuroscience
	General Psychology
	Music and the Mind

### New York University

Spring 2017	Introduction to Psychology
January 2017	Cognitive Neuroscience of Music

### University of Iowa

Spring 2015	<b>Guest Lecturer,</b> Research in Music Therapy
Spring 2014	<b>Teaching Assistant,</b> Medical Neuroscience
Spring 2013	<b>Teaching Assistant,</b> Research Methods
Fall 2012	<b>Teaching Assistant,</b> Principles of Neuropsychology
Fall 2011	<b>Teaching Assistant,</b> Educational Psychology

### St. Olaf College

Spring, 2009, 2010    **Teaching Assistant**, Introductory Psychology  
 Fall 2008                **Teaching Assistant**, Introductory Psychology Lab

## **MENTORING**

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2018 – present                **Missouri S&T**

- Graduate research assistant:
  - Matthew Dew (2023 – present)
- Post-baccalaureate research assistant:
  - Kendra Mehl (2022 – present)
- Current undergraduate research assistants:
  - Jessica Frame (2021 – present)
    - Recipient of an Opportunities for Undergraduate Research Experiences grant from Missouri S&T
  - Julien Hanson (2022 – present)
  - Lauren Linhardt (2022 – present)
  - Akira Durbin (2023 – present)
  - Layth Aljorani (2023 – present)
  - Aiden Wallace Pickett (2023 – present)
  - Colin Shannon (2023 – present)
  - Sarah Shyres (2023 – present)
- Alumni:
  - Elena Bai (2018 – 2023)
    - Selected as a Scholar in the Regeneron Science Talent Search (as a high school research assistant)
  - Elizabeth Kickbusch (2022 – 2023)
  - Henry Volkmann (2022 – 2023)
  - Emily Pearson (2020 – 2022)
    - Recipient of a First Year Research Experiences grant from Missouri S&T
    - Recipient of two Opportunities for Undergraduate Research Experiences grants from Missouri S&T
    - Winner of the Missouri S&T Department of Psychological Science Research Award
  - Helen Werner (2022)
  - Whitney Davidson (2020 – 2021)
  - Jenna Graff (2020 – 2021)
  - Aaron Hardy (2020 – 2021)
  - Mariah Vasquez (2020 – 2021)
  - Maria Gugliano (2019 – 2021)
    - Recipient of an Opportunities for Undergraduate Research Experiences grant from Missouri S&T
  - Raelynn Twohy (2018 – 2021)
    - Awarded Second Place in the Proposed Research category at the 2019 Missouri S&T Undergraduate Research Conference.
    - Recipient of an Opportunities for Undergraduate Research Experiences grant from Missouri S&T

- Recipient of an Opportunities for Undergraduate Research Experiences fellowship from Missouri S&T
- Abbigail Ely (2019 – 2021)
  - Winner of the Missouri S&T Department of Psychological Science Research Award
- Nicholas Schmidt (2019 – 2020)
  - Recipient of an Opportunities for Undergraduate Research Experiences grant from Missouri S&T
- Kaelyn Kacirek (2018 – 2020)
  - Awarded First Place in the Proposed Research category at the 2018 Missouri S&T Undergraduate Research Conference.
  - Recipient of an Opportunities for Undergraduate Research Experiences grant from Missouri S&T
  - Awarded Second Place in the Social Sciences category at the 2019 Missouri S&T Undergraduate Research Conference.
- Brooke Boulais (2019 – 2020)
- Ava (Peterson) Stroud (2018 – 2020)
  - Awarded a Psi Chi Honors Society Undergraduate Research Grant
  - Awarded First Place in the Social Sciences category at the 2019 Missouri S&T Undergraduate Research Conference.
  - Winner of the Missouri S&T Department of Psychological Science Olson Award for Outstanding Research
- Claire Neill (2018 – 2020)
  - Recipient of an Opportunities for Undergraduate Research Experiences grant from Missouri S&T

#### 2015 – 2017 **New York University**

- Post-baccalaureate research assistant:
  - Anna Kasdan (2016-2017)

#### 2012 – 2015 **University of Iowa**

- Undergraduate research assistants:
  - Brett Karlan (2012 – 2015)
    - Winner of a fellowship through the Iowa Center for Research by Undergraduates
  - Brett Schneider (2013 - 2015)
    - Winner of the University of Iowa Excellence in Undergraduate Research Award, given to four undergraduates each year
  - Erin Evans (2014 – 2015)
    - Winner of a fellowship from the University of Iowa Medical Student Research program
  - Jonah Heskje (2014 – 2015)

#### **THESIS AND DISSERTATION COMMITTEES**

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- Undergraduate honors thesis advisor or committee member:

- Monique Cortez (current) *Influence of musical training on brain development*. University of Texas at Austin (M. Freedberg, Chair)
- Jessica Frame (current). *Aesthetic responses to poetry: Differences in modality*.
- Jenna Graff (2021). *Investigating autobiographical memories in everyday life*.
- Raelynn Twohy (2021). *Cognitive effects of concussions on student-athletes*.
- Brooke Boulais (2020). *Necessity of proper nouns in descriptions: A follow-up study on the left temporal pole*.
- Master's thesis committee member:
  - Holly France (2023). *Music-evoked autobiographical memories: Within and outside of the reminiscence bump*. Avila University Psychology MS program (J. Branch, Chair)
- PhD dissertation committee member:
  - Sreevlasan Menon (2021). *Identification of Neuromarkers in Health and Disease Using Intrinsic Individual Neuronal Activities in the Human Brain*. Missouri S&T Mechanical Engineering PhD program (K. Krishnamurthy, Chair).

## SERVICE

### PROFESSIONAL SERVICE

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2023 – present	<b>Editor</b> , <i>Psychology of Aesthetics, Creativity, and the Arts</i>
2023 – present	<b>Consulting Editor</b> , <i>Music Perception</i>
2022 – present	<b>Board Member</b> , International Association of Empirical Aesthetics
2021 – present	<b>Member</b> , Outreach and Training Committee, Cognitive Neuroscience Society
2021 – present	<b>Topic Editor</b> , <i>Frontiers in Neuroscience</i> , The Musical Brain – Volume II
2020 – present	<b>Editorial Board</b> , <i>Empirical Musicology Review</i>
2022 – 2023	<b>Associate Editor</b> , <i>Psychology of Aesthetics, Creativity, and the Arts</i>
2019 – 2022	<b>Reviewing Editor</b> , <i>Experimental Results</i>
2020 – 2022	<b>Member</b> , Anti-Racism and Equity Committee, SMPC
2020 – 2021	<b>Topic Editor</b> , <i>Frontiers in Neuroscience</i> , Examining the neurodynamics of emotional experiences with naturalistic paradigms
2019 – 2021	<b>Member At-Large</b> , Society for Music Perception and Cognition
2019 – 2021	<b>Guest Editor</b> , <i>Music &amp; Science</i> , Special Collection on Music and Autobiographical Memory
March 2021	<b>Chair</b> , Student Awards Committee, Future Directions of Music Cognition Conference
2019 – 2020	<b>Past-President</b> , Graduate Women in Science
2017 – 2020	<b>Member</b> , Training, Outreach, and Diversity Committee; Cognitive Neuroscience Society
2018 – 2019	<b>President</b> , Graduate Women in Science
2017 – 2018	<b>President-Elect</b> , Graduate Women in Science
2016 – 2017	<b>Vice President</b> , Graduate Women in Science
2015 – 2017	<b>President</b> , Cognitive Neuroscience Society Trainee Association
August 2016	<b>Volunteer</b> , International Society for Music Information Retrieval
April 2016, 2017	<b>Moderator</b> , Trainee Professional Development Panel, Cognitive Neuroscience Society Annual Meeting
2015 – 2018	<b>Chair</b> , Graduate Women in Science Public Relations Committee

April 2014, 2015 **Volunteer**, Cognitive Neuroscience Society Annual Meeting

**Ad Hoc Reviewing** Journals: *Aphasiology; Behavior Research Methods; Brain Sciences; British Journal of Psychology; Cognition; Cognitive, Affective, and Behavioral Neuroscience; Collabra: Psychology; Cortex; Current Biology; Current Psychology; Empirical Studies of the Arts; European Journal of Neuroscience; Journal of Alzheimer's Disease; Journal of Applied Research in Memory and Cognition; Journal of Clinical and Experimental Neuropsychology; Journal of Experimental Psychology: General; Journal of the International Neuropsychological Society; Memory; Memory and Cognition; Music & Science; Music Perception; NeuroImage; Neurology, Psychology, and Brain Research; Neuropsychologia; Neuropsychology; Neuroscience and Biobehavioral Reviews; Psychology of Aesthetics, Creativity, and the Arts; Psychology of Music; Psychomusicology: Music, Mind, and Brain; Psychophysiology; Trends in Cognitive Sciences*

Grants: *NSF Cognitive Neuroscience Program; University of Missouri Research Board; Graduate Women in Science Fellowships Program; NIH CP Study Section ECR (October 2020); NIH ZAT1 SH(07) Special Emphasis Panel member (September 2022)*

Academic publishers: *MIT Press; Oxford University Press*

#### **DEPARTMENTAL/UNIVERSITY SERVICE**

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2023 – present	<b>Member</b> , Departmental search committee
2023 – present	<b>Member</b> , Missouri S&T Bioplex Steering Committee
2023 – present	<b>Member</b> , Missouri S&T Facilities Planning Committee
2020 – present	<b>IRB Member</b> , S&T representative to MU IRB
2020 – present	<b>Member</b> , Missouri S&T Pre-Med Committee
2019 – present	<b>Coordinator</b> , Psychological Science Department Social Media
2018 – present	<b>Departmental Coordinator</b> , Opportunities for Undergraduate Research Experience (OURE) Program, Missouri S&T
2018 – present	<b>Coordinator</b> , Psychological Science Department Colloquium Series, Missouri S&T
2020 – 2023	<b>Faculty Advisor</b> , Tau Beta Sigma – Delta Xi Chapter (Band Sorority)
2019 – 2023	<b>Faculty Advisor</b> , Graduate Women in Science, Rolla Chapter
2016 – 2017	<b>National Liaison</b> , Graduate Women in Science, NYC Metro Chapter
2014 – 2015	<b>President</b> , Graduate Women in Science, Iowa City Chapter
2012 – 2015	<b>Member</b> , Eastern Iowa Brain Bee Committee
2012	<b>Panelist</b> , Women in Science and Engineering Peer Mentoring, UIowa
2011 – 2012	<b>Member</b> , Neuroscience Program Admissions Committee, UIowa
2009 – 2010	<b>Vice President</b> , Psi Chi, St. Olaf College

#### **PUBLIC LECTURES AND DEMONSTRATIONS**

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*Functional Near-Infrared Spectroscopy demo and lab tour.*

- Missouri S&T Minority Introduction to STEM camp. June 2023.  
Rolla High School AP Psychology Class. April 2023.
- The Neuroscience of Music, Emotion, and Memory*  
Phelps County Senior Companions, Rolla, MO. February 2023.
- Your Brain on Music: The science behind how music evokes emotions and memories*  
Rolla Public Library, Rolla, MO. January 2023.
- Investigating the relationships between music, emotion, and autobiographical memory*  
St. James Senior Center, St. James, MO. January 2023.
- Your Brain on Music*  
Research on Tap, Rolla, MO. October 2019.
- Music and the brain: Understanding the listener experience.*  
Taste of Science Festival, St. Louis, MO. April 2018.
- Musical aesthetic decisions.*  
TEDx Missouri S&T, Rolla, MO. March 2018.
- Music and the brain: Understanding the listener experience.*  
Taste of Science Festival, New York, NY. April 2017.
- Functions of music in everyday life.*  
NYC Monthly Music Hackathon, New York, NY. December 2016.
- Music, memory, and the brain.*  
North Carolina Museum of Natural Sciences, Raleigh, NC. June 2016.
- Music, memory, and the brain.*  
Johnson County Senior Center, Iowa City, IA. April 2015
- Music and the Brain: Investigating music, emotion, and autobiographical memory.*  
Cedar Rapids Kennedy High School, Cedar Rapids, IA. October 2014.

## **PROFESSIONAL MEMBERSHIPS**

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Association for Psychological Science  
Cognitive Neuroscience Society  
Faculty for Undergraduate Neuroscience  
Graduate Women in Science  
International Association for Empirical Aesthetics  
Psychonomic Society  
Society for Music Perception and Cognition  
Society for Neuroscience