

# Kianna Arthur

## Office Address

Department of Psychological & Brain Sciences  
Texas A&M University  
4235 TAMU  
College Station, TX 77843

## Contact Information

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## EDUCATION

### Ph.D. in Social and Personality Psychology

Expected 2024

Texas A&M University, College Station, TX  
Advisor: Rachel Smallman, Ph.D.

### B.S. in Psychology

2018

Lewis-Clark State College, Lewiston, ID

## RESEARCH INTERESTS

My research interests are focused on the functionality and perceived causality of counterfactual thoughts (i.e., “If only...”) in health-promotion contexts (e.g., increasing physical activity, healthy food choices, etc.); this includes both the generation and goal-pursuit consequences of counterfactual thinking. I am interested in using counterfactuals at the individual-, interpersonal-, and community-level to better understand health outcomes.

## PUBLICATIONS

- Smallman, R., **Arthur, K. M.**, Fields, S. A., & Dvorak, R. (In Press). From if-then to here and now: Using personalized counterfactuals from past negative experiences to reduce future alcohol consequences. *Experimental and Clinical Psychopharmacology*.
- De Leon, A. N., Dvorak, R. D., Smallman, R., **Arthur, K.**, & Piercey, C. (2022). Using counterfactual thinking theory to change alcohol protective behavioural strategy use intentions. *British Journal of Health Psychology*, 27(1), 159-178. <https://doi.org/10.1111/bjhp.12535>
- Diessner, R., Genthôs, R., **Arthur, K.**, Adkins, B., & Pohling, R. (2021). Olfactory and gustatory beauty: Aesthetic emotions and trait appreciation of beauty. *Psychology of Aesthetics, Creativity, and the Arts*, 15(1), 38-50. <https://doi.org/10.1037/aca0000262>
- Fields, S. A., Schueler, J., **Arthur, K. M.**, & Harris, B. (2021). The role of impulsivity in major depression: A systematic review. *Current Behavioral Neuroscience Reports*. Advance online publication. <https://doi.org/10.1007/s40473-021-00231-y>
- Diessner, R., Genthôs, R., Simmons, H., Lysne, H., & **Arthur, K.** (2020). Altar-ing aesthetic emotions: Exploring responses to ecologically valid beauty stimuli and their relationship to trait engagement with beauty. *Psychology of Aesthetics, Creativity, and the Arts*. Advance online publication. <https://doi.org/10.1037/aca0000368>

## MANUSCRIPTS UNDER REVIEW

- Arthur, K. M.**, Colwell, B., Washburn, D., & Maddock, J. *Comparing tobacco use trends pre- and post-ratification of the WHO Framework Convention on Tobacco Control: The cases of Malawi, Zimbabwe, and Zambia*.

Summerville, A., Smallman, R., **Arthur, K. M.**, & Dickey, K. J. *Counterfactual thinking as intergroup cognition.*

**Arthur, K. M.**, Fields, S. A., & Smallman, R. *Undoing a bad habit: Associations between the transtheoretical model of change, counterfactual content, and negative event themes in smokers.*

Fields, S. A., **Arthur, K. M.**, Schueler, J., & Smallman, R. *Using a counterfactual-based intervention to change eating intentions: Results from Hispanic and non-Hispanic undergraduate and community samples*

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## MANUSCRIPTS IN PREP

Sherman, L., **Arthur, K. M.**, Vera, S., & Fields, S. A. *Change in confidence and use of remote health technologies among African American men from pre- to post-COVID-19 pandemic.*

Dickey, K. J., Smallman, R., Dowd, S., & **Arthur, K.** *The role of failure mindsets in functional counterfactual thinking.*

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## FUNDING GRANTS

Industrial Seed Fund Project from the Industry Board Fees of the NSF PATHS-UP ERC (#1648451)

(PI: **Arthur, K.**, Co-PIs: Abbasi, M., Fields, S., Sabharwal, A., & Smallman, R.): \$5,000

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## CONFERENCE TALKS AND POSTER PRESENTATIONS

Vitus, D., Fields, S.A., **Arthur, K.**, & Smallman, R. (June, 2022). *Alcohol misuse and gender significantly predict disordered eating behaviors.* International Conference on Eating Disorders (ICED), Virtual.

**Arthur, K.M.**, Forkheim, C., Arabia, A., Smallman, R., Peres, C., Bergman, M., & Hendricks, J. (April, 2022). *Counterfactuals, task performance, and incidents.* Poster presented at the 16<sup>th</sup> Annual Human Factors and Ergonomics Society – Houston Symposium, Houston, TX.

Schueler, J., **Arthur, K.**, Smallman, R., & Fields, S. (April 2022). *Ethnic and group differences in healthy eating and counterfactual intentions following a single-session intervention.* Rapid communications poster presented at Society of Behavioral Medicine Annual Meeting, Baltimore, MD.

**Arthur, K.**, Fields, S. A., & Smallman, R. (March, 2022). *Undoing a bad habit: Associations between negative smoking events, counterfactual themes, and the transtheoretical model in smokers.* Poster presented at 28<sup>th</sup> Annual Society for Research on Nicotine & Tobacco Conference, Baltimore, MD.

George, T., **Arthur, K.**, & Lench, H. (February, 2022). *Ghosted and Gone: The Impact of Trait Mindfulness on Online Dating Experiences.* Poster presented at the 23<sup>rd</sup> Annual Society for Personality and Social Psychology Conference, San Francisco, CA.

**Arthur, K.**, Schueler, J., Fields, S. A., & Smallman, R. (February, 2022). *Looking back so I can plan ahead: Using counterfactual strategies to change eating habits.* Poster presented at the 23<sup>rd</sup> Annual Society for Personality and Social Psychology Conference, San Francisco, CA.

Zahed, K., **Arthur, K.**, Engler, S., Sasangohar, F., Smallman, R., & Fields, S. (October, 2021). *Predicting student intention to wear a mask to avoid COVID-19.* Paper presented at the 65<sup>th</sup> International Meeting for Human Factors and Ergonomics Society, Baltimore, MD.

**Arthur, K.**, & Smallman, R. (February, 2021). *Counterfactual thinking and risk appraisals.* Poster presented at the 22<sup>nd</sup> Annual Society for Personality and Social Psychology Conference, Austin, TX (virtual conference).

George, T., **Arthur, K.**, & Dickey, K. (February, 2021). *"What if things were different?": The roles of attachment and counterfactual thinking in romantic relationships.* Poster presented at the 22<sup>nd</sup>

Annual Society for Personality and Social Psychology Conference, Austin, TX (virtual conference).

**Arthur, K.** (October, 2020). *Virtual reality process safety in counterfactual thinking*. Talk presented at the 23<sup>rd</sup> Annual Mary Kay O'Connor Process Safety Symposium, College Station, TX (virtual conference).

**Arthur, K.**, Dickey, K., Dowd, S., Harris, B., Regan, T., Fields, S., & Smallman, R. (February, 2020). *Counterfactual thinking and executive function*. Poster presented at the 21<sup>st</sup> Annual Society for Personality and Social Psychology Conference, New Orleans, LA.

## CONFERENCE ATTENDANCE

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28<sup>th</sup> Annual Society for Research on Nicotine & Tobacco (SRNT) – March 16-19, 2022, Baltimore, MD.

23<sup>rd</sup> Annual Society for Personality and Social Psychology Conference (SPSP) – February 16-19, 2022, San Francisco, CA.

-Attended the Health Preconference at SPSP February 10<sup>th</sup>, 2021.

22<sup>nd</sup> Annual Society for Personality and Social Psychology Conference (SPSP) – February 9-13, 2021, Virtual Conference.

-Attended the Health Preconference at SPSP February 10<sup>th</sup>, 2021.

21<sup>st</sup> Annual Society for Personality and Social Psychology Conference (SPSP) – February 27-29, 2020, New Orleans, LA.

-Attended the Health Preconference at SPSP February 27<sup>th</sup>, 2020.

98<sup>th</sup> Annual Western Psychological Association Conference (WPA) – April 26-29, 2018, Portland, OR.

18<sup>th</sup> Annual Idaho Environmental Education Conference – March 2-3, 2018, Lewiston, ID.

## INVITED TALKS AND PRESENTATIONS

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**Arthur, K.**, & Smallman, R. (2021, April 27). *Counterfactual thinking and distracted driving*. Imagination and Modal Cognition Lab, Dr. Felipe DeBrigard. Duke University (online).

## LOCAL PRESENTATIONS

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**Arthur, K.** (May, 2022). *Using counterfactuals to address operator procedure adherence, incident rates, and performance*. PowerPoint presented at Next Generation Advanced Procedures Webinar Series (online).

**Arthur, K.** (March, 2022). *Counterfactual training to improve virtual task outcomes*. PowerPoint presented at Next Generation Advanced Procedures Quarterly Board Meeting (online).

**Arthur, K.** (March, 2022). *Using counterfactual thinking to understand and promote physical activity behavior in low-socioeconomic status individuals*. Poster presented at NSF PATHS-UP ERC Site Visit (online).

**Arthur, K.** (March, 2021). *Counterfactual training, procedures, and incidents*. PowerPoint presented at Next Generation Advanced Procedures Quarterly Board Meeting (online).

**Arthur, K.**, & Smallman, R. (October, 2020). *The role of counterfactual thinking in risk appraisals of distracted driving behaviors*. Poster presented at Psychological and Brain Sciences Second-Year Poster Session, College Station, TX.

Smallman, R., Peres, S. C., Bergman, M. E., **Arthur, K.**, Hendricks, J. W., & Nanjeen, S. (September, 2020). *Virtual reality, process safety, and counterfactual thinking – New paradigm for training?* Poster presented at the 2<sup>nd</sup> Annual President's Excellence Fund Symposium, College Station, TX.

Subahi, M., & **Arthur, K.** (May, 2018). *Comparison of sand sediment composition between dammed and free-flowing rivers in the Snake River system*. Poster presented at the 12<sup>th</sup> Annual LCSC Research Symposium, Lewiston, ID.

**Arthur, K.** (May, 2017). *Music and cardio: The effects on an individual's rating of perceived exertion.*  
Poster presented at the 11<sup>th</sup> Annual LCSC Research Symposium, Lewiston, ID.

## TEACHING EXPERIENCE

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Teaching Assistant (Texas A&M University) Spring 2021 to Spring 2022

Undergraduate Teaching Scholars – Psychology Department

Supervisor: Rachel Smallman, Ph.D.

Responsibilities: answer student questions in lab, in lecture and during office hours; scheduled guest speakers for course section; moderated Q&A sessions with guest speakers and course section students; and other tasks upon request.

Teaching Assistant (Texas A&M University)

Fall 2020

Elementary Statistics for Psychology – Psychology Department

Supervisor: Patrick Bolger, Ph.D.

Responsibilities: answer student questions in lab, in lecture and during office hours; coordinated e-mail communication from students in course section; worked with instructor to grade course exams; and other tasks upon request.

## ADDITIONAL RESEARCH EXPERIENCE

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Lab Manager

Spring 2020 to present

Social-Cognition Lab

Supervisor: Rachel Smallman, Ph.D.

Institution: Texas A&M University

Responsibilities: train and mentor undergraduate research assistants in psychological and brain science research methodology.

Student Interventionist

Spring 2021 to present

CBLI Study

Supervisors: Rachel Smallman, Ph.D., and Sherecce Fields Ph.D.

Institution: Texas A&M University

Responsibilities: contact and coordinate with pre-diabetic participants in a longitudinal cognitive-behavioral intervention targeting the reduction of blood glucose levels.

## MENTORING AND LEADERSHIP ACTIVITIES

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Graduate and Professional Student Government (GPSG)

2022-Present

Role: Senator, Department of Psychological and Brain Sciences

Institution: Texas A&M University

Responsibilities: Attend monthly meetings; work in cooperation with other representatives of GPSG in communicating and voting on graduate student policies, funding, and advocacy issues.

Lab Rats Mentor

Summer 2021

Supervisor: S. Camille Peres, Ph.D.

Institution: Texas A&M University

Mentor-Mentee Group Specific Goals: Develop a virtual day-long mentor program for local high school students; engage with students on significance of human factors research; supervise high school students in collecting and analyzing data from day-long program.

PRIDE Mentor

Spring 2021

Institution: Texas A&amp;M University

Mentor-Mentee Specific Goals: meet on a bi-weekly basis via Zoom; discuss and provide support for LGBTQIA+ issues; explore and discuss issues related to multi-cultural and LGBTQIA+ identities.

## AWARDS AND HONORS

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Department of Psychological and Brain Sciences Travel Award Institution: Texas A&M University	2022
SPSP Graduate Student Travel Award Institution: Society for Personality and Social Psychology	2021
Department of Psychological and Brain Sciences Travel Award Institution: Texas A&M University	2019
Graduate Diversity Excellence Fellowship Institution: Texas A&M University	2019
Psychology Department Outstanding Student Award Institution: Lewis-Clark State College	2018
Psychology Department Poster Award (Third Place) Institution: Lewis-Clark State College	2017

## PROFESSIONAL DEVELOPMENT

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G.R.A.D. Aggies Intermediate Professional Development Certificate Institution: Texas A&M University Attend, participate in, and write reflection on twelve (12) total professional development events related to academic development, leadership and communication, instruction and assessment, and career development.	Awarded 2022
G.R.A.D. Aggies Basic Professional Development Certificate Institution: Texas A&M University Attend, participate in, and write reflection on six (6) total professional development events related to academic development, leadership and communication, instruction and assessment, and career development.	Awarded 2021

## PROFESSIONAL MEMBERSHIP

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Society for Research on Nicotine & Tobacco (SRNT)	2022-Present
Society for Personality and Social Psychology (SPSP)	2020-Present