

# MIA JOVANOVA

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<https://jovanovamia.com>

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## EDUCATION

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**Annenberg School for Communication, University of Pennsylvania** Expected, May 2023  
 Communication Neuroscience Lab  
 Ph.D. Candidate in Communication

Committee: Dr. Emily B. Falk (chair), Dr. David M. Lydon-Staley, Dr. Duncan J. Watts  
 Dissertation: Using machine learning and person-specific models to predict health behavior

**Annenberg School for Communication, University of Pennsylvania** 2020  
 M.A. in Communication

**Department of Communication, Cornell University** 2017  
 B.S. in Communication; Summa Cum Laude  
 Health, Science and Environment track, Minor in Spanish

## RESEARCH INTERESTS

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Health psychology | Social neuroscience | Behavior change | Intensive mobile sampling  
 Machine learning methods | Personalized health interventions | Social network analysis

## PEER REVIEWED PUBLICATIONS

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6. **Jovanova, M.**, Falk, E. B., Pearl, J. M., Pandey, P., Brook O'Donnell, M., Kang, Y., Bassett, D. S., Lydon-Staley, D. M. (2022). Brain system integration and message consistent health behavior change. *Health Psychology, 41*(9), 611-620. doi.org/10.1037/hea0001201.
5. Zhou, D., Kang, Y., Cosme, D., **Jovanova, M.**, He, X., Mahadevan, A., Stanoi, O., Brynlidsen J, K., Cooper, N., Cornblath, E., Parkes, L., Mucha, P. J., Ochsner, K. N., Lydon-Staley, D.M., Falk. E., Bassett, D. S. (2022). Mindfulness promotes control of brain network dynamics for self-regulation and discontinues the past from the present. doi.org/10.31234/osf.io/u83my  
 In press *Proceedings of the National Academy of Sciences (PNAS)*.
4. Kang, Y, Cosme, D., Lydon-Staley, D., Ahn, J., **Jovanova, M.**, Corbani, F., et al. Purpose in life, neural alcohol cue reactivity and daily alcohol use in social drinkers. (2022). *Addiction, 117*(12), 3049– 3057. doi.org/10.1111/add.16012.
3. **Jovanova, M.**, Skurka, C., Byrne, S., Kalaji, M., Greiner Safi, A., Porticella, N., Mathios, D. A., Avery, J. R., Dorf, C. M., Niederdeppe, J. (2021). Should graphic warning labels proposed for cigarette packages sold in the United States mention the Food and Drug Administration? *Nicotine and Tobacco Research, 23*(2), 402-406. doi.org/10.1093/ntr/ntaa142.

2. McGowan A. L., Parkes L, He X, Stanoi O., Kang Y., Lomax S., **Jovanova M.**, Mucha P. J., Ochsner K. N., Falk E. B., Bassett D. S., Lydon-Staley D. M. (2021). Controllability of structural brain networks and the waxing and waning of negative affect in daily life. *Biological Psychiatry Global Open Science*, 1(1). doi.org/10.1016/j.bpsgos.2021.11.008
1. Scholz, C., **Jovanova, M.**, Baek, E., & Falk, E. B. (2020). Media content sharing as a value-based decision. *Current Opinion in Psychology*, 31, 83-88. doi.org/10.1016/j.copsyc.2019.08.004

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#### MANUSCRIPTS UNDER REVIEW

5. Langrock, I., & **Jovanova, M.** Gender gaps in Communication's Open Science Movement. (under review). Preprint: <https://ssrn.com/abstract=4283210>.
4. **Jovanova, M.**, Cosme, D., Doré, B., Kang, Y., Stanoi, O., Cooper, N., Helion, C., Lomax, S., McGowan, A. L., Boyd, Z., Bassett, D. S., Mucha, P. J., Ochsner, K. N., Lydon-Staley, D. M., Falk, E. B. Psychological distance intervention reminders reduce alcohol consumption frequency in daily life. (under review). Preprint: doi.org/10.31234/osf.io/yw7s3.
3. McGowan, A. L., PhD, Sayed, F., Boyd, Z. M., **Jovanova, M.**, Kang, Y., Speer, M., et al., Dense sampling approaches for psychiatry research: Adventures with scanners and smartphones. (under review). Preprint: doi.org/10.31234/osf.io/7vt5g.
2. Cosme, D., Kang, Y., Tartak, J. C., Ahn, J., Corbani, F. E., Cooper, N., Doré B., He X., Helion C., **Jovanova M.**, Lomax, S., Mahadevan A S., McGowan A, L., Paul, A., Pei R. et al., Study protocol: Social Health Impact of Network Effects (SHINE) Study. (under review). Preprint: doi.org/10.31234/osf.io/cj2nx.
1. Sayed, F., McGowan, A. L., **Jovanova, M.**, Cosme, D., Kang, Y., Stanoi, O., Ochsner, K. N., Mucha, P. J., Bassett, D., Falk, E. B., Lydon-Staley, D. M. Momentary associations between affect and alcohol use in the daily lives of college students. (under review). Preprint: doi.org/10.31234/osf.io/a7cgu.

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#### WORKING PAPERS

2. **Jovanova, M.**, Stanoi, O., Scholz, C., Kang, Y., Cosme D., Doré B., Cooper, N., Bassett, D. S., Mucha, P. J., Ochsner, K. N., Lydon-Staley, D. M., Falk, E. B. Neural responses to peers and social influence susceptibility on alcohol use.
1. **Jovanova, M\***, Boyd, Z\*, Schwarze, A., Christensen, T., Ochsner, K. N., Bassett, D.S., Lydon-Staley, D. M., Falk, E. B., Mucha, P. J., A multimodal approach to explain and predict intervention-related behavior change.  
\*shared first authorship

## AWARDS AND HONORS

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James D. Woods Award for Outstanding Graduate Teaching, University of Pennsylvania	2022
Russell Ackoff Doctoral Fellowship, Wharton Risk Management and Decision Processes	2021
Top Paper Award, International Communication Association (CSAB)	2020
Student Travel Award, International Communication Association	2018
Academic Excellence Award, highest Communication major GPA, Cornell University	2017
SUNY Chancellor's Nomination for Student Excellence, Cornell University	2017
Annenberg School for Communication Summer Fellowship, University of Pennsylvania	2018-2022

## INVITED TALKS

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Tutorial on Open Science and pre-registrations Summer Institute in Computational Social Science, Imperial College, London, England	Summer, 2022
Brain system integration and message consistent changes in physical activity Women in Network Science Seminar Series, virtual	Spring, 2022
Effects of psychological distance interventions on drinking Self-regulation, emotion and attention lab, University of Reading, virtual	Fall, 2021

## CONFERENCE PRESENTATIONS

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15. **Jovanova, M.**, Cosme, D., Stanoi, O., Helion, C., Doré, B., Kang, Y., Cooper, N., Brynildsen, K., Lomax, S., McGowan, A., Lydon-Staley, D. M., Ochsner, K. N., Bassett, D. B., Falk, E.B. Decoding how the brain tracks peer drinking behavior in social groups. (May, 2022). Talk presented at the International Communication Association, Communication Science & Biology interest group, Paris, France. Pre-registration: <https://osf.io/btny3>.
14. **Jovanova, M.**, Stanoi, O., Scholz, C., Lydon-Staley, D.M., Kang, Y., Cooper, N., Cosme, D., Doré, B., Mucha, P.J., Ochsner, K. N., Bassett, D.S., Falk, E.B. (May, 2021). Brain responses to peers moderate peer influence effects on drinking. Talk presented at the International Communication Association, Communication Science & Biology interest group, virtual conference.
13. **Jovanova, M.**, Stanoi, O., Scholz, C., Lydon-Staley, D.M., Kang, Y., Cosme, D., Doré, B., Mucha, P.J., Ochsner, K. N., Bassett, D.S., Falk, E. B. (May, 2021) Social network position and susceptibility to conversational influence on drinking. Talk presented at the International Communication Association, Health Communication division, virtual conference.
12. **Jovanova, M.**, Stanoi, O., Scholz C., Lydon-Staley, D.M., Cooper N., Doré, B., Kang, Y., Cosme, D., Bassett, D.S., Mucha, P. J., Ochsner, K. N., Falk, E. B. (April, 2021). Social influence susceptibility on real-world drinking and mentalizing and reward brain responses. Talk and poster presented at the Social Affective Neuroscience Society, virtual conference.

\* **Top paper award** ([paper profile](#))

11. **Jovanova, M.**, Lydon-Staley, D. M., Pearl J., O'Donnell, M.B., Pandey, P., Kang, Y., Bassett D. B., Falk, E.B. (May, 2020). Default mode and salience brain network integration during messaging predicts health behavior change. Talk presented at the International Communication Association, Communication Science & Biology interest group, virtual conference.
10. **Jovanova, M.**, Dore, B., Lydon-Staley, D. M., Stanoi, O., Cooper, N., Kang, Y., Helion, C., Mucha P., Oschner, K., Bassett. D. B., Falk, E. B. (May, 2020). A smartphone-based intervention: Using mindfulness and perspective-taking to reduce drinking. Talk presented at the International Communication Association, Health Communication division, virtual conference.
9. **Jovanova, M.**, Lydon-Staley, D. M., Pearl J., O'Donnell, M. B., Pandey, P., Kang. Y., Bassett D., Falk, E.B. (May, 2019). Functional connectivity between salience and self-related networks is associated with message-consistent cognitions and health behavior change. Poster presented at the annual meeting of the Social Affective Neuroscience Society, Miami, United States
8. **Jovanova, M.**, Scholz, C., Baek. E., O'Donnell, M.B., Falk, E.B. Neural mechanisms of health information propagation on social media. (September, 2019). Poster presented at the annual meeting of the European Health Psychology Society, Dubrovnik, Croatia.
7. **Jovanova, M.**, Byrne, S., Skurka, C., Kalaji, M., Greiner Safi, A., Porticella, N., Mathios, D.A., Avery, J.R., Dorf, C.M., Niederdeppe, J. (May, 2018). Should graphic warning labels proposed for cigarette packages sold in the United States Identify the Food and Drug Administration? Talk presented at the International Communication Association, Health Communication division, Prague, Czech Republic.
6. Brynildsen D., Zhou, D., Cosme, D., **Jovanova M.**, He X., Mucha P. J., Ochsner, K., N., Lydon-Staley. D. M., Falk, S. B., Bassett, D. S. (November, 2022). Talk presented at the Society for Neuroscience, San Diego, United States.
5. Zhou, D., Kang, Y., Cosme, D., **Jovanova, M.**, He, X., Mahadevan, A., Stanoi, O., Brynlidsen J, K., Cooper, N., Cornblath, E., Parkes, L., Mucha, P. J., Ochsner, K., N., Lydon Staley, D.M., Falk. E. B., Bassett, D. S. (June, 2022). Mindfulness promotes control of brain network dynamics for self-regulation and discontinues the past from the present. Talk presented at the Organization of Human Brain Mapping. Glasgow, Scotland
4. Langrock, I., & **Jovanova, M.** Open Science, Equal citations? (May, 2022). Investigating gendered citation practices within Open Science and Communication Research. Talk presented at the International Communication Association, Computational Methods division, Paris, France.  
pre-registration: <https://osf.io/f5cn4/>

3. Kang., Y., Cosme, D., Ahn, J., Strecher, V., Lydon-Staley, D., Corbani, F., **Jovanova, M.**, Stanoi, O., Lomax, S., Ochsner, K., Mucha, P. J., Bassett, D. S., & Falk., E. B. (May, 2022). Alcohol cue reactivity in the ventral Striatum and daily purpose in life moderate the relationship between alcohol craving and consumption in college students. Talk presented at International Communication Association, Communication Science & Biology interest group Paris, France.
2. Stanoi, O., **Jovanova, M.**, Speer M, Doré, B., Lydon-Staley, D. M., Bassett D. S., Mucha, P.J., Falk, E. B., Ochsner, K. N. (April, 2021). Social outcomes of emotion regulation. Talk presented at the Society for Affective Science, virtual conference.
1. Stanoi, O., Lee, E., Speer M.E., **Jovanova, M.**, He, X., Bassett, D.S., Mucha, P.J., Falk, E.B., Ochsner, K. N. (April, 2021). A 3-layer model of social groups: Friendship, leadership, and emotion sharing networks. Talk and poster presented at the Social Affective Neuroscience Society, virtual conference.

## TEACHING

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### University of Pennsylvania

#### Outstanding graduate teaching award\*

Head teaching fellow, *Networked Life*

Fall, 2021

Instructor: Dr. Duncan J. Watts

Teaching fellow, *The Communication Research Experience*

Fall, 2019

Instructor: Dr. Emily B. Falk

### Cornell University

Teaching fellow, *Introduction to Research Methods*

Fall 2015, 2016

Instructors: Dr. Sahara Byrne & Dr. Mary Beth Deline

## SERVICE

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### Volunteering

UPenn Diversity and Equity Initiative (DiveIn) mentor

Cornell Communication professional development mentor

Student planning committee, International Communication Association

### Academic peer review

Proceedings of the National Academy of Sciences (with Dr. Emily B. Falk)

Health Communication Division, International Communication Association

Communication & Biology Interest Group, International Communication Association

Information Science Division, International Communication Association

## MEMBERSHIP

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European Health Psychology Society

Social Affective Neuroscience Society

Society for Personality and Social Psychology

International Communication Association

Women in Network Science Society

## ADDITIONAL TRAINING

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The Summer Institutes in Computational Social Science, Imperial College, London, England 2022

## SKILLS

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Programming Languages: R (advanced), (R)Shiny (intermediate), Python (intermediate)

Analysis: survey research, randomized experiments, functional neuroimaging, multilevel mixed-effects models, intensive mobile sampling (EMA), social network analysis, machine learning, geospatial analysis, web scraping

Languages: fluent in Spanish, North Macedonian, Bulgarian, Serbo-Croatian, and English

## REFERENCES

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**University of Pennsylvania**  
Annenberg School for Communication  
Department of Psychology  
Wharton Marketing Department  
Wharton Operations, Information and Decisions Department

Dr. David M. Lydon-Staley david.lydonstaley@asc.upenn.edu  
**University of Pennsylvania**  
Annenberg School for Communication  
Department of Bioengineering  
Leonard Davis Institute of Health Economics

Dr. Peter J. Mucha peter.j.mucha@dartmouth.edu  
**Dartmouth College**  
Department of Mathematics