Natalie M. Gallagher
Curriculum Vitae

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About Me

As a PhD candidate in Cognitive and Social Psychology at Northwestern University, I'm interested in how people navigate the complex social world - including how we enact and are influenced by bias and inequity. In my research, I study mental representations of social categories and social networks, with an eye to how people's life experiences and sense of self inform their social cognitive processing. My work integrates experimental, survey-based, qualitative, and computational methods. I also take a meta-scientific approach, recognizing that the production of knowledge via science reflects the perspectives and interpretations of those doing the work.

Education

2015 – Present	Northwestern University: PhD Candidate (expected, June 2021) *Cognitive Area Advisor:* Dr. Doug Medin *Social Area Advisor:* Dr. Galen Bodenhausen Awarded Northwestern University Cognitive Science Certificate Awarded NU Psychology Quantitative Methods Certificate Awarded Master's Degree in Cognitive Psychology Completed Master's Degree in Statistics
2010 – 2013	Georgetown University: B.A., Psychology, *cum laude* *Advisor*: Dr. Steven Sabat
Spring 2012	The University of the Western Cape: Psychology and Gender Studies Cape Town, South Africa

Research Experience

2015 - Present Graduate Researcher, Northwestern University
Mosaic Lab, *PI:* Dr. Doug Medin
Social Cognition Lab, *PI:* Dr. Galen Bodenhausen
Examining social system cognition, particularly social networks and social categories as they relate to concept combination, identity, and bias. Integrating experimental, data scientific, and sociological approaches.

2012 – 2015 Lab Manager, Georgetown University
Laboratory for Relational Cognition, *PI:* Dr. Adam Green
Written, analytical, and technical support of successful grant applications to the NSF, The Templeton Foundation, and The American Legacy Foundation. Design and execution of fMRI, behavioral, and survey research. Topics included creativity, analogical reasoning, religious belief, and social reasoning in children with ASD.

2011 Research Assistant, Princeton Neuroscience Institute
    Neuroscience of Attention and Perception Laboratory
    PI: Dr. Sabine Kastner

Research Awards

2020 Sexualities Project at Northwestern Research Grant for "Being Gender Trouble: How do LGBTQ+ people experience the stereotypes of others?" - $2,150
2020 Northwestern Kellogg Dispute Resolution and Research Center grant for "Sociocultural Essentialism as a Cognitive Framework for Lay Theories of Diversity and Social Change" - $4,200
2020 Weinberg College COVID-19 Research Seed Funding for "Putting an Outgroup Face on a Viral Threat" - $12,000
2020 Weinberg College Summer Research Grant with Imra Tajuddin, undergraduate RA
2019 Graduate Travel Award from Society for Personality and Social Psychology
2018 SICSS Project Funding for "Reducing Belief Polarization" - $7,899
2018 SICSS Project Funding for "Effect of Media Type on Separation Reaction" - $7,358
2017 Graduate Research Fellowship from National Science Foundation for "Marginalization and Variation in Social Network Representation"
2016 Weinberg College Summer Research Grant with Jonah Frueh, undergraduate RA

Publications in Preparation

Jahani, E.*, **Gallagher, N.***, Merhout, F.*, Cavalli, N.*, Guilbeault, D.*, Leng, Y.*, & Bail, C.A. (under review). Exposure to common enemies can increase political polarization: evidence from a cooperation experiment with automated partisans. *Shared first authorship.

Gallagher, N., & Bodenhausen, G. (in prep). Lay theories guide mental representation of emerging social groups: Gender essentialism and stereotypes of transgender women and men.

Publications

Weinberger, A.B.*, **Gallagher, N.***, Warren, Z.J., English, G.A., Moghaddam, F.M., & Green, A.E. (2020). Implicit pattern learning as a bottom-up basis of belief in God in the United States and Afghanistan. *Nature Communications, 11*(4503), 1-12. *Shared first authorship

Kohne, J., **Gallagher, N.**, Kirgil, Z.M., Paolillo, R., Padmos, L., & Karimi, F. (2020). Clashing norms – The role of network structure and initial group norm distribution in norm conflict. In E. Deutschmann, J. Lorenz, L.G. Nardin, D. Natalini, & A.F.X. Wilhelm (Eds.) *Computational Conflict Research* (pp. 113-140). Springer Nature.

Damme, K.S.F., **Gallagher, N.**, Vargas, T., Osborne, K. J., Gupta, T., & Mittal, V.A. (2019). Motor sequence learning and pattern recognition in youth at clinical high-risk for psychosis. *Schizophrenia Research, 208*, 454-456.

Nzinga, K., Rapp, D.N., Leatherwood, C., Easterday, M., Rogers, L.O., **Gallagher, N.**, & Medin, D. (2018). Should social scientists be distanced from or engaged with the people they study? *Proceedings of the National Academy of Sciences of the United States of America, 115*(45), 11435-11441*.*

Michaels, T., **Gallagher, N.**, Crawford, M., Kanter, J., & Williams, M. (2018). Understanding racial differences in appraising microaggressions through cultural consensus modeling. *The Behavior Therapist, 41*(7), 314-321*.*

Ihne, J., **Gallagher, N.**, Sullivan, M., Callicott, J., & Green, A. (2017). Sex differences in verbal working memory performance emerge at very high loads of common neuroimaging tasks. *Brain & Cognition, 113*, 56-64.

Green, A., Kenworthy, L., **Gallagher, N.**, Antezana, L., Mosner, M., Krieg, S., Dudley, K., Ratto, A., & Yerys, B. (2017). Social analogical reasoning in school-aged children with autism spectrum disorder and typically developing peers. *Autism: International Journal of Research and Practice, 21*(4), 403-411.

Green, A., Spiegel, K.A., Giangrande, E.J., Weinberger, A.B., **Gallagher, N.**, & Turkeltaub, P.E. (2017). Thinking cap plus thinking zap: tDCS of frontopolar cortex improves creative analogical reasoning and facilitates conscious augmentation of state creativity. *Cerebral Cortex, 27*, 2628-2639.

Green, A., Mays, D., Falk, E., Vallone, D., **Gallagher, N.**, Richardson, A., Tercyak, K., Abrams, D., & Niaura, R. (2016). Young adult smokers' neural response to graphic cigarette warning labels. *Addictive Behaviors Reports, 3*, 28-32.

Ihne, J., **Gallagher, N**., Sullivan, M., Callicott, J. & Green, A. (2016). Is less really more: Does a prefrontal efficiency genotype actually confer better performance when working memory becomes difficult? *Cortex, 74*, 79-95.

Green, A., Kenworthy, L., Mosner, M., **Gallagher, N.**, Fearon, E., Balhana, C. & Yerys, B. (2014). Abstract analogical reasoning in high-functioning children with autism spectrum disorders. *Autism Research, 7*, 677-686.

Invited Presentations

Gallagher, N., & Paolillo, R. (2020). *Network preference and norm affiliation: Their potential for intragroup and intergroup conflict* [presentation in workshop on Othering, Polarisation, and Social Identity]. Social Simulation Week by the European Social Simulation Association. Online seminar based in Milan, Italy.

Guilbeault, D., **Gallagher, N.**, & Merhout, F. (2020). *Exposure to common enemies can increase political polarization: evidence from a cooperation experiment with automated partisans.* Facebook Computational Social Science Workshop. Online seminar.

Conference Presentations

Gallagher, N., & Bodenhausen, G. (June 2021, to be presented). *Gender essentialism and mental representation of transgender groups.* 19th General Meeting of the European Association of Social Psychology. Krakow, Poland.

Gallagher, N., Bodenhausen, G., & Medin, D. (February 2021, to be presented). *Believing and navigating emerging stereotypes of transgender groups.* Society for Personality and Social Psychology Conference. Online conference. Symposium co-chair: *Beyond the gender binary: A social psychological approach*

Bello-Pardo, E., Law, T., **Gallagher, N.**, Pozzana, I., Fesler, L. (August 2020). *Medium is the message? Elite political communication in the age of multimedia online platforms.* The Conference on Computational Sociology. San Francisco, CA. (Converted to online conference)

Cavalli, N., **Gallagher, N.**, Guilbeault, D., Jahani, E., Leng, Y., Merhout, F., & Bail, C. (July 2020). *Experimental evidence that exposure to common enemies can increase polarization.* 6th International Conference on Computational Social Science. Boston, MA. (Converted to online conference)

Gallagher, N., & Bodenhausen, G. (May 2020). *Does bias predict expectations of social segregation?* 32nd Annual Convention of the Association for Psychological Science. Chicago, IL. (Conference canceled) Symposium chair: *Social network structures: What are we thinking about when we thinking about relationships?*

Kohne, J., **Gallagher, N.**, Kirgil, Z.M., Paolillo, R., Padmos, L., & Karimi, F. (September 2019). *Clashing norms – The role of network structure in normative group conflict.* 3rd European Symposium on Societal Challenges in Computational Social Science: Polarization and Radicalization. Zurich, Switzerland.

Gallagher, N., & Bodenhausen, G. (July 2019). *Stereotypes of transgender categories: Attributes and lay theories.* Cognitive Science Society. Montreal, CA.

Bello-Pardo, E., Law, T., **Gallagher, N.**, Fesler, L., & Pozzana, I. (April 2019). *Medium is the message? Understanding the effects of different communication mediums on political behavior and public opinion in the digital age.* Midwestern Political Science Association Conference, Chicago, IL.

Gallagher, N., & Bodenhausen, G. (April 2019). *Transgender and cisgender women and men: Changing representations of gender.* Midwestern Psychological Association Conference. Chicago, IL.

Conference Posters

Gallagher, N., & Bodenhausen, G. (February 2020). *Gender essentialism and mental representation of transgender groups.* Society for Personality and Social Psychology Conference. New Orleans, LA.

Gallagher, N., & Bodenhausen, G. (February 2019). *Transgender and cisgender women and men: Changing representations of gender.* Society for Personality and Social Psychology Conference. Portland, OR.

Crawford, M., **Gallagher, N.,** Michaels, T.I., Oshin, L., Kanter, J.W., & Williams, M.T. (October 2018). *Race-based differences in appraising microaggressions.* 32nd Annual Connecticut Psychological Association Convention, Haddam, CT.

Gallagher, N., Petsko, C., Medin, D., & Bodenhausen, G. (April 2018). *How typical are you? Intersectional identification and self-judged typicality.* Midwestern Psychological Association Conference. Chicago, IL.

Gallagher, N. & Bodenhausen, G. (March 2018). *Nontraditional gender groups in the stereotype content model.* Illinois Summit on Diversity in Psychological Science. Urbana-Champaign, IL.

Weinberger, A., **Gallagher, N.**, & Green, A. (March 2018). *Collective creativity: Exploring the existence of group-level creativity in collaborative teams.* Annual Meeting of Cognitive Neuroscience Society. Boston, MA.

Gallagher, N., Petsko, C., Medin, D., & Bodenhausen, G. (March 2018). *How typical are you? Intersectional identification and self-judged typicality.* Society for Personality and Social Psychology Conference. Atlanta, GA.

Gallagher, N., Weinberger, A., Goldman, D., Warren, Z., Moghaddam, F. & Green, A. (June 2017). *Causal judgment in ambiguous physical situations predicts religious belief.* Cognition of Belief Conference. Washington, DC.

Weinberger, A., **Gallagher, N.**, Goldman, D., Warren, Z., Moghaddam, F. & Green, A. (June 2017). *Detection of randomness in visual patterns predicts religious belief.* Cognition of Belief Conference. Washington, DC.

Gallagher, N. (April 2017). *Social network cognition and social status.* Midwestern Psychological Association Conference. Chicago, IL.

Gallagher, N., & Medin, D. (January 2017). *On folksociology: Complexity and perspective-taking.* Society for Personality and Social Psychology Conference. San Antonio, TX.

Weinberger, A.B., **Gallagher, N.**, Goldman, D., and Green, A.E. (January 2017). *Perceiving is believing: Evidence for bottom-up influences of visual perceptual biases on the strength*

and development of religious belief. Society for Personality and Social Psychology Conference. San Antonio, TX.

Green, A., Weinberger, A., Spiegel, K., Giangrande, E., **Gallagher, N.**, & Turkeltaub, P. (April 2016). *Thinking cap plus thinking zap: tDCS of frontopolar cortex improves creative analogical reasoning and facilitates conscious augmentation of state creativity.* Cognitive Neuroscience Society Conference. New York, NY.

Gallagher, N., Antezana, L., Mosner, M., Dudley, K., Kenworthy, L., Yerys, B., & Green, A. (March 2015). *Evidence of intact social analogical reasoning in ASD*. Cognitive Neuroscience Society Conference. San Francisco, CA.

Gallagher, N., Niaura, R., Tercyak, K., Vallone, D., Mays, D., & Green, A. (November 2014). *Young adult smokers' reactions to graphic warning labels and tobacco advertising.* Society for Neuroscience Conference. Washington, DC.

English, G., Parrott, N., Fearon, E., Liu, N., **Gallagher, N.**, & Green, A. (November 2014). *Analogical mapping within and across modalities: Modular abilities or analo-g?* Society for Neuroscience Conference. Washington, DC.

Gallagher, N., Yerys, B., Kenworthy, L., Mosner, M., Fearon, E., Balhana, C., & Green, A. (April 2014). *Abstract analogical reasoning in high-functioning children with autism spectrum disorders*. Cognitive Neuroscience Society. Boston, MA.

Policy Work

Adams-Santos, D.*, **Gallagher, N.***, Garr-Schultz, A.*, Herold, L.*, Kuo, K.*, Rezko, S.*, Rivera, A.*, Shrodes, A.*, & Zhang, E.* (2019). *Genderqueer, non-binary, and transgender student priorities and experience student-led survey report.* Northwestern University LGBTQ+ Advisory Board. *Alphabetical author order

Gallagher, N., Garr-Schultz, A., Nolla, K., & Reischer, H. (2018). *2017 Annual survey report.* Diversity and Inclusion Committee.

Gallagher, N., Garr-Schultz, A., Nolla, K., & Reischer, H. (2016). *Diversity and inclusion in Northwestern University's graduate psychology department: an exploratory report.* Diversity and Inclusion Committee.

Diversity-Oriented Service

2020	Moderator for NU Psychology *Methods in Diversity Science* series
2018 – 2019	NU Genderqueer, Non-Binary, Transgender Task Force Researcher
2016 – 2018	Committee member for Sneak Peek program that promotes graduate study by undergraduates from underrepresented groups
2015 – 2018	Diversity & Inclusion Committee Founding Member, NU Psychology

Professional Service

2018 – Present	Reviewer, Cognitive Science Conference
2017 – 2020	Graduate Student Council Member, NU Psychology
2018 – 2019	Ad Hoc reviewer for *Behavior Methods, Journal of Research on Women and Gender,* and *JPSP* with Dr. Galen Bodenhausen
2018 – 2019	Coordinator, SICSS Chicago Partner Site
2016 – 2019	Peer Mentor, NU Psychology
2016 – 2019	Social Area Lecture Coordinator, NU Psychology
2016 – 2017	Cognitive Area Interview Coordinator, NU Psychology

Teaching and Lecturing Experience

Visiting Lecturer

Fall 2017	Problem Solving Lecture, Dr. Sara Broaders' Cognitive Psychology
Winter 2017	Three-Part Qualitative Methodology in Psychology Workshop

Teaching Assistant

Winter 2019	Research Methods in Psychology with Dr. Greg Miller Florence Sales Teaching Fellowship
Fall 2018	Linear Models: Correlation and Regression with Dr. Mike Bailey
Fall 2017	Cognitive Psychology with Dr. Sara Broaders
Winter 2017	Cognitive Psychology with Dr. David Rapp
Winter 2016	Cognitive Psychology with Dr. David Rapp
Fall 2016	Introduction to Psychology with Dr. Wendi Gardner
Spring 2016	Decision Making with Dr. David Smith

Special Training

Technical:
   R, tidyverse, GGplot, Psychopy, Matlab, E-prime, Amazon Mechanical Turk (Mturk), Qualtrics Survey Software, RedCap, Microsoft Office Suite

Methodological:
   Cluster Analysis, Computational Text Analysis, Cultural Consensus Modeling, Grounded Theory, Inductive and Deductive Qualitative Coding, Agent-Based Modeling, Network Analysis, Multi-Level Modeling, Quantitative Text Analysis, Multivariate Statistics, Twitter Scraping

Workshops:
   2019 Summer Institute for Social and Personality Psychology, New York University
   2018 BIGSSS Computational Social Science on Conflict, Jacobs University
   2018 Summer Institute in Computational Social Science, Duke University
   2017 Data on the Mind, University of California, Berkeley

Memberships in Professional Societies

Member, National Science Policy Network
Student Member, Society for Personality and Social Psychology
Student Member, Society for the Psychological Study of Social Issues
Student Member, Cognitive Science Society
Student Member, American Psychological Association
Student Member, Midwestern Psychological Association
Fellow, National Science Foundation's Graduate Research Fellowship Program

Creative Production

2019 – Present	Woodshop Teaching Assistant	The Rebuilding Exchange, IL
2016 – Present	Magazine Founder & Editor	SixByEightPress.com
2015	Theatre Producer	Mead Theatre Lab Program, DC
2015	Set Designer	Theatre From the District, DC
2014	Scenographer	Banished? Productions, DC