

JACOB T. FISHER

Ph.D. Candidate, Department of Communication, The University of California, Santa Barbara
Media Neuroscience Lab • NSF IGERT for Network Science and Big Data
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EDUCATION

Ph.D. • Communication (Expected June 2020)

2016 – Present

The University of California, Santa Barbara

Emphasis: Cognitive and Brain Sciences

Dissertation Title: *Modulating ADHD-Related Functional Connectivity and Behavioral Performance Using Video Games*

Advisor: René Weber, Committee Members: Scott Grafton, Scott Reid

Master of Arts • Media and Communication

2014 – 2016

Texas Tech University • Lubbock, TX

Thesis Title: *Examining Cognitive Load and Recall for Educational Multimedia Messages in ADHD and Non-ADHD Populations*

Advisor: Justin Keene, Committee Members: Paul Bolls, Glenn Cummins

Bachelor of Arts • Honors Arts & Letters

2009 – 2013

Texas Tech University • Lubbock, TX

Minor: Communication

REFEREED PUBLICATIONS

Hopp, F.R., **Fisher, J.T.**, Cornell, D., Huskey, R., & Weber, R. (2020). The extended moral foundations dictionary (eMFD): Development and applications of a crowd-sourced approach to extracting moral intuitions from text at scale. *Behavior Research Methods*. Published online ahead of print.

Hopp, F.R., **Fisher, J.T.**, & Weber, R. (2020) Integrating news framing, dynamic-transactional paradigms, and computational modeling: An examination of the dynamic relationship between news frames and real-world events. *Journal of Communication*. 70(3), 335-355.

Weber, R., Behr, K.M., **Fisher, J.T.**, Lonergan, C., & Quebral, C. (2020). Video game violence & interactivity: effect or equivalence? *Journal of Communication*. 70(2), 219-244.

Dienlin, T., Johannes, N., Bowman, N.D., Masur, P.K., Engesser, S., Kümpel, A.S., Lukito, J., Bier, L.M., Zhang, R., Johnson, B.K., Huskey, R., **Fisher, J.T.** ... De Vreese, C. (2020). An agenda for open science in communication. *Journal of Communication*. Published online ahead of print.

Fisher, J.T., Hopp, F.R., Weber, R. (2019). Modality-dependent effects of perceptual load in multimedia processing. *Journal of Media & Communication*. 7(4), 149-165.

Hopp, F.R., Schaffer, J., **Fisher, J.T.**, Cornell, D., & Weber, R. (2019). iCoRe: The GDELT interface for the advancement of communication research. *Computational Communication Research*. 1(1), 13-44.

Fisher, J.T., Keene, J.R., Huskey, R., & Weber, R. (2018). The limited capacity model of motivated mediated message processing: taking stock of the past. *Annals of the International Communication Association*. 42(4), 270-290.

Fisher, J.T., Huskey, R., Keene, J.R., & Weber, R. (2018). The limited capacity model of motivated mediated message processing: looking to the future. *Annals of the International Communication Association*. 42(4), 291-315. **Distinguished Article Award, NCA Social Cognition Division.**

Weber, R., **Fisher, J.T.**, Hopp, F.R., & Lonergan, C. (2018). Taking messages into the magnet: method-theory synergy in communication neuroscience. *Communication Monographs*. 85(1). 81-102.

MANUSCRIPTS UNDER REVIEW

Fisher, J.T., Hopp, F.R., & Weber, R. (under review). Motivation and cognitive effort act and interact to drive resource allocation across concurrent media processing tasks . *Communication Research*.

Fisher, J.T., Hopp, F.R., Weber, R. (under review). Network neuroscience: a practical introduction for communication researchers. *Communication Methods & Measures*.

Hopp, F.R., **Fisher, J.T.**, & Weber, R. (under review). A graph-learning approach for detecting moral conflicts in movie scripts. *Media & Communication*.

Fisher, J.T., Keene, J.R. (under review). ADHD individuals exhibit breadth-biased cognitive control in e-learning environments. *Learning, Media, & Technology*.

BOOK CHAPTERS & ENCYCLOPEDIA ENTRIES

Fisher, J.T., & Weber, R. (2020). Innovative health interventions at the intersection of neuroimaging and multimedia design. In Kim, J. & Song, H. (Eds.) *Technology and Health: Promoting Attitude and Behavior Change*. San Diego, CA: Elsevier.

Fisher, J.T., Huskey, R., Keene, J.R., & Weber (2020). The life of a model: Commentary on "How the LC4MP became the DHCCST". In Weber, R., & Floyd, K., (Eds.) *Handbook of Communication Science and Biology*. New York, NY: Routledge.

Fisher, J.T., & Keene, J.R. (2020). Attention, working memory, and media multitasking. In Weber, R., & Floyd, K., (Eds.) *Handbook of Communication Science and Biology*. New York, NY: Routledge.

Weber, R., & **Fisher, J.T.** (2020). Advancing the synchronization theory of flow experiences. In Weber, R., & Floyd, K., (Eds.) *Handbook of Communication Science and Biology*. New York, NY: Routledge.

Fisher, J.T., Lonergan, C., Hopp, F.R., & Weber (in press). Media entertainment, flow experiences, and the synchronization of audiences. In Vorderer, P, & Klimmt, C., (Eds.) *Oxford Handbook of Entertainment Theory*. Oxford, UK: Oxford University Press.

Fisher, J.T., & Weber, R. (in press). Limited capacity model of motivated mediated message processing (LC4MP). In Van Den Bulck, J., (Ed.) *International Encyclopedia of Media Psychology*. Hoboken, NJ: Wiley Blackwell.

Weber, R., & **Fisher, J.T.** (in press). Flow. In Van Den Bulck, J., (Ed.) *International Encyclopedia of Media Psychology*. Hoboken, NJ: Wiley Blackwell.

AWARDS AND HONORS

Top 5 Paper Award International Communication Association Communication Science & Biology Interest Group	2020
Top 5 Paper Award International Communication Association Computational Methods Division	2020
Top 5 Paper Award National Communication Association Social Cognition Division	2019
James J. Bradac Award for Excellence in Research University of California, Santa Barbara	2019
Kavli Institute for Cognitive Neuroscience Fellowship University of California, Santa Barbara	2019
Top Reviewer International Communication Association Communication Science & Biology Interest Group	2019
Top 5 Paper Award International Communication Association Computational Methods Division	2019
Distinguished Article Award National Communication Association Social Cognition Division	2018
Top 5 Paper Award National Communication Association Mass Communication Division	2018
Top 5 Paper Award International Communication Association Communication Science and Biology Interest Group	2018
Top 5 Paper Award International Communication Association Communication Science and Biology Interest Group	2017
National Science Foundation IGERT Fellowship The University of California, Santa Barbara	2016
Regent's Fellowship The University of California, Santa Barbara	2016

GRANT ACTIVITY

Cottage Health Research Initiative • \$50,000 <i>Understanding How Technology Habits Influence Developmental Mechanisms of Attention in Children</i> Co-I., wrote grant proposal with, P.I. René Weber Currently under review	2019
Gerber Foundation • \$247,375 <i>Investigating the Relationship Between Multimedia Use and Development of ADHD Symptoms in Children</i> Co-I., wrote grant proposal with, P.I. René Weber Not selected for funding	2019
Theodore Fett Brain Imaging Center Research Grant • \$25,000 <i>Characterizing Cognitive Control and Reward Networks in ADHD During A Naturalistic Task</i> Co-I., wrote grant proposal with, P.I. René Weber, Involved in study design, data collection, data analysis, and reporting.	2018
National Science Foundation IGERT Innovation Grant • \$12,000 <i>Developing an Interactive, Naturalistic Stimulus for the Study of Network Dynamics of Cognitive Control</i> Co-I., co-wrote grant proposal with P.I., René Weber. Involved in study design, data collection, data analysis, and reporting.	2018
John Templeton Foundation • \$234,800 <i>Moral Foundations of Movies: Examining the Virtuous Content and Financial Performance of Popular Films</i> Collaborator, co-wrote wrote proposal with PI, René Weber, involved in study design, data collection, data analysis, and reporting	2018
Academic Senate Council on Research and Instructional Resources Faculty Research Grant • \$13,800 <i>College Students, Media, and the Increasing Prevalence of Attention Disorders: Examining the Role of Motivation and Perceptual Load on Cognitive Control and Learning in ADHD and High Media Multitasking Populations.</i> Co-I., co-wrote grant proposal with P.I., René Weber. Involved in study design, data collection, data analysis, and reporting.	2017
UCSB Department of Communication Graduate Student Research Grant • \$500 <i>Examining the Role of Motivation and Cognitive/Perceptual Load on Attentional Control and Performance in Interactive Digital Environments</i> Co-I., co-wrote grant proposal with P.I., René Weber. Involved in study design, data collection, data analysis, and reporting.	2017

CONFERENCE PRESENTATIONS

Fisher, J.T., Hopp, F.R., & Weber, R. (2020). Cognitive and perceptual load differentially influence functional connectivity during a naturalistic task. Paper accepted to the 13th annual meeting of the Social & Affective Neuroscience Society (SANS), Santa Barbara, CA.

Hopp, F.R., **Fisher, J.T.**, Amir, O., & Weber, R. (2020). Neural correlates of individual differences in moral judgment. Paper accepted to the 13th annual meeting of the Social & Affective Neuroscience Society (SANS), Santa Barbara, CA.

Weber, R., Hopp, F.R., **Fisher, J.T.**, Chen, Y., & Eden, A. (2020). Punishment of moral norm violations in dramatic narratives predicts viewer engagement. Paper accepted to the 13th annual meeting of the Social & Affective Neuroscience Society (SANS), Santa Barbara, CA.

Fisher, J.T., Chen, Y., Hopp, F.R., & Weber, R. (2020). Uncovering the structure of media multitasking and attention problems using network analytic techniques. Paper accepted to the annual meeting of the International Communication Association (ICA). Gold Coast, Australia.

Fisher, J.T., Hopp, F.R., & Weber, R. (2020). Of primary importance? Motivation drives resource allocation across concurrent tasks during multimedia processing. Paper accepted to the annual meeting of the International Communication Association (ICA). Gold Coast, Australia. **Top 5 Paper.**

Fisher, J.T., Hopp, F.R., & Weber, R. (2020). Cognitive load and perceptual load during video game play correspond to differing brain network topologies. Paper accepted to the annual meeting of the International Communication Association (ICA). Gold Coast, Australia.

Dienlin, T., Johannes, N., Bowman, N., Masur, P. K., Engesser, S., ... **Fisher, J.T.**, ... Weber, R., ... DeVreese, C. (2020, May). An agenda for open science in communication. Paper accepted to the annual meeting of the International Communication Association (ICA), Gold Coast, Australia.

Hopp, F.R., **Fisher, J.T.**, & Weber, R. (2020). A computational approach for learning moral conflicts from movie scripts. Paper submitted to the annual meeting of the International Communication Association (ICA). Gold Coast, Australia. **Top 5 Paper.**

Hopp, F.R., Malik, M., **Fisher, J.**, Chen, Y., & Weber, R. (2020). What drives news sharing across the globe? A large-scale, cross-national comparison of news sharing. Paper submitted to the annual meeting of the International Communication Association (ICA). Gold Coast, Australia.

Fisher, J.T., Hopp, F.R., & Weber, R. (2019). Modality-specific effects of perceptual load in multimedia processing. Paper presented at the 105th annual meeting of the National Communication Association (NCA), Baltimore, MD. **Top 5 Paper.**

Fisher, J.T., Hopp, F.R., Prabhu, S., Tamborini, R., & Weber, R. (2019). Developing best practices for the implicit measurement of moral foundation salience. Paper presented at the 105th annual meeting of the National Communication Association (NCA), Baltimore, MD.

Fisher, J.T. & Weber, R. Understanding and treating ADHD using naturalistic network neuroscience. Paper presented at the annual meeting of the Cottage Health Research Institute (CHRI), Santa Barbara, CA.

Hopp, F. R., **Fisher, J. T.**, & Weber, R. (2019). The Moral Narrative Analyzer (MoNA): An integrated, spatio-temporal platform for monitoring, predicting, and countering global sociopolitical instability. Paper presented at the Workshop on Naval Applications of Machine Learning (NAML), San Diego, CA.

Hopp, F.R., Lonergan, C., **Fisher, J.T.**, & Weber, R. (2019). The joy of mediated punishments: Moral transgression in auditory narratives elicit cortical synchronization in listeners. Poster presented at the 12th annual meeting of the Social and Affective Neuroscience Society (SANS), Miami, USA.

Fisher, J.T., Hopp, F.R., Lonergan, C., & Weber, R. (2019). Brain network topology and dynamics in ADHD individuals during video game play. Poster presented at the 12th annual meeting of the Social and Affective Neuroscience Society (SANS), Miami, USA.

Fisher, J.T., Hopp, F.R., Lonergan, C., & Weber, R. (2019). The interacting roles of cognitive load, perceptual load, and reward in guiding attention during multimedia processing. Paper presented at the 69th annual meeting of the International Communication Association (ICA), Washington, DC.

Fisher, J.T., Hopp, F.R., Lonergan, C., & Weber, R. (2019). Brain network topology and dynamics in ADHD Individuals during video game play. Paper presented at the 69th annual meeting of the International Communication Association (ICA), Washington, DC.

Fisher, J.T., Lonergan, C., Hopp, F.R., Grall, C., Pandey, P., Scholz, C., Najera, C., & Wilcox, S. (2019). Best practices in training and mentoring research assistants and new graduate students. Panel presented at the 69th annual meeting of the International Communication Association (ICA), Washington, DC.

Miao, X., **Fisher, J.T.**, & Weber, R. (2019). Media multitasking in bilingual populations: A closer look at the effect of language switching. Paper presented at the 69th annual meeting of the International Communication Association (ICA), Washington, DC.

Hopp, F.R., Barel, A., **Fisher, J.T.**, Cornell, D., Lonergan, C., & Weber, R. (2019). "I believe that morality is gone": A large-scale inventory of moral foundations in lyrics of popular songs. Paper presented at the 69th annual meeting of the International Communication Association (ICA), Washington DC, USA.

Hopp, F.R., **Fisher, J.T.**, Prabhu, S., Cornell, D., Tamborini, R., & Weber, R. (2019). Revisiting the moral foundations-affect misattribution procedure (MF-AMP): An extended, open-source tool for measuring the accessibility of moral intuitions. Paper presented at the 69th annual meeting of the International Communication Association (ICA), Washington DC, USA.

Hopp, F.R., **Fisher, J.T.**, & Weber, R. (2019). The dynamic relationship between news frames and real-world events: A hidden markov model approach. Paper accepted to the 69th annual meeting of the International Communication Association (ICA), Washington DC, USA. **Top 5 Paper.**

Fisher, J.T. & Keene, J.R. (2018) ADHD individuals and media multitaskers exhibit resource allocation differences when processing educational multimedia messages. Paper presented at the 104th Annual Meeting of the National Communication Association (NCA). Salt Lake City, UT.

Hopp, F.R., Cornell, D., **Fisher, J. T.**, Huskey, R., & Weber, R. (2018). The moral foundations dictionary for news (MFD-N): A crowd-sourced moral foundations dictionary for the automated analysis of news corpora. Paper presented at the 104th Annual Meeting of the National Communication Association (NCA), Salt Lake City, UT. **Top 5 Paper.**

Fisher, J.T., Cornell, D., Hopp, F.R., Mangus, M., & Weber, R. (2018). "But how are they talked about?": A novel measure of entity framing in online news. Paper presented at the 68th annual conference of the International Communication Association (ICA), Prague, CZ.

Fisher, J.T. Hopp, F.R., & Weber, R. (2018). "Look harder!" ADHD, media multitasking, and the effects of cognitive and perceptual load on resource availability and processing performance. Paper presented at the 68th annual conference of the International Communication Association (ICA), Prague, CZ. **Top 5 Paper.**

Keene, J.R., Adams, R., Najera, C., **Fisher, J.T.**, Berke, C., & Bolls, P. (2018) Organized complexity in communication science: a systematic review and meta-analysis of psychophysiological methods in communication. Paper presented at the 68th annual conference of the International Communication Association (ICA), Prague, CZ.

Hopp, F. R., **Fisher, J.T.**, Mangus, J. M., Weber, R. (2018). Combining computational content analysis with self-report data to predict news article sharing. Paper presented at the 68th Annual Conference of the International Communication Association (ICA), Prague, CZ

Hopp, F. R., **Fisher, J.T.**, Mangus, J. M., Huskey, R., Swanson, R., Gordon, A., Khooshabeh, P., Weber, R. (2018). Mining the Global Database of Events, Language, and Tone: An introduction for communication researchers. Paper presented at the 68th Annual Conference of the International Communication Association (ICA), Prague, CZ.

Hopp, F.R., **Fisher, J.T.**, Mangus, M., Huskey, R., Swanson, R., Gordon, A., Khooshabeh, P., & Weber, R. (2017). Examining online news reporting using the Global Database of Events, Language, and Tone: Challenges, opportunities, and future directions. Paper presented at the 103rd annual meeting of the National Communication Association (NCA), Dallas, TX.

Fisher, J.T., Huskey, R., Keene, J. & Weber, R. (2017). The offramp problem: Treating media psychology as an insular field inhibits theoretical and empirical progress. Paper presented at the 67th annual meeting of the International Communication Association (ICA), San Diego, CA. **Top 5 Paper.**

Fisher, J.T., & Keene, J. (2017). Examining cognitive load and recall for educational multimedia messages in ADHD and high media multitasking populations. Paper presented at the 67th annual meeting of the International Communication Association (ICA), San Diego, CA.

Huskey, R., **Fisher, J.T.**, Craighead, B. (2016). A call to action: Using high-control, open-source, customizable, and naturalistic stimuli to overcome longstanding challenges in quantitative video game research. Paper Presented at the annual meeting of the 102nd National Communication Association (NCA), Philadelphia, PA.

Loof, T., Berke, C.K., Davidson, A., **Fisher, J.T.**, Keene, J. (2016). The dynamic interaction of emotional content and modality on coactivation in the motivational systems and psychophysiological responses. Paper presented at the 56th annual meeting of the Society of Psychophysiological Researchers, Minneapolis, MN.

TEACHING

Teaching Associate - Instructor of Record
PSY 111 • Behavioral Neuroscience
The University of California, Santa Barbara

Summer 2018

Teaching Associate - Instructor of Record

Summer 2017

PSY 108 • Cognitive Psychology

The University of California, Santa Barbara

Teaching Assistant

MCOM 2320 • Writing for Media and Communication

Fall 2015, Spring 2016

Texas Tech University

PROFESSIONAL AFFILIATIONS

International Communication Association

2015 – Present

Communication Science & Biology Interest Group

Computational Methods Division, Information Systems Division

Mass Communication Division, Game Studies Division

National Communication Association

2015 – Present

Mass Communication Division, Social Cognition Division

Social & Affective Neuroscience Society

2016 – Present

Organization for Human Brain Mapping

2018-Present

American Psychological Association

2016 – Present

PROFESSIONAL TRAINING

Kavli Summer Institute in Cognitive Neuroscience

Summer 2019

The Kavli Summer Institute in Cognitive Neuroscience (SI), supported by NIMH, NIDA and the Kavli Foundation, advances the cognitive neurosciences by training the next generation of researchers in emerging information, methods and theoretical perspectives in mind-brain science, including how this knowledge is applied in translational research that addresses major mental health challenges.

NeuroHackAdemy

Summer 2019

Neurohackademy is a two-week hands-on summer institute in neuroimaging and data science, held at the University of Washington eScience Institute. Researchers receive training in the latest technologies used to analyze human neuroscience data, as well as tools to make analysis and results shareable and reproducible.

SERVICE

Ad-Hoc Reviewing

2018-Present

*Journal of Communication**Media Psychology**Communication Methods and Measures**Computational Communication Science**Journal of Media Psychology**Technological Forecasting & Social Change*

Reviewer International Communication Association	2015 – Present
Reviewer National Communication Association	2015 – Present
Mentor UCSB Graduate Mentorship Program	2019 – Present
Panelist Lambda Pi Eta Graduate School Panel The University of California, Santa Barbara	2018
Graduate Student Representative Faculty Search Committee, Digital Communication The University of California, Santa Barbara	2017