Frederic R. Hopp

Leibniz Institute for Psychology (ZPID)
Email • Google Scholar • OSF • Github • Moral Computing Lab

ACADEMIC POSITIONS

Juniorprofessor (W1, tenure-track), Big Data in Psychology   2024–Present
     Leibniz-Institute for Psychology (ZPID)

Assistant Professor (UD2, tenured 2022), University of Amsterdam   2021–2024
     Amsterdam School of Communication Research

EDUCATION

Ph.D. in Communication, University of California, Santa Barbara   2021
     (with René Weber, Ph.D., M.D., Scott Grafton, M.D., Scott Reid, Ph.D)

M.A. in Communication, University of California, Santa Barbara   2018
     (with René Weber, Ph.D., M.D.)

B.A. in Media and Communication Studies, University of Mannheim   2016
     (with Peter Vorderer, Ph.D.)

RECOGNITIONS & AWARDS

- Cover Feature *Nature Human Behavior*   2023
  Moral reasoning in the brain – Volume 7, Issue 12
- Top Poster (Blitz) Award   2023
  Social and Affective Neuroscience Society
- Annie Lang Dissertation Award   2022
  International Communication Association – Information Systems Division
- James J. Bradac Award for Outstanding Graduate Student Research   2021
  University of California, Santa Barbara
- George D. McCune Dissertation Fellowship   2020
  University of California, Santa Barbara
- Top Poster (Blitz) Award   2022
  Social and Affective Neuroscience Society
- Top Paper Award   2021
  International Communication Association – Communication Science & Biology
- Top Paper Award   2020
  National Communication Association – Mass Communication Division
- Top Paper Award   2020
  International Communication Association – Computational Methods Interest Group

- **Top Paper Award**   2020
  International Communication Association – Communication Science & Biology
- **Top Paper Award**   2019
  National Communication Association – Communication and Social Cognition
- **Top Paper Award**   2019
  International Communication Association – Computational Methods Interest Group
- Article of the Year Award   2018
  Communication Methods and Measures
- **Top Paper Award**   2018
  National Communication Association – Mass Communication Division
- **Top Paper Award**   2018
  International Communication Association, Communication Science & Biology
- PROMOS Scholarship   2015
  German Academic Exchange Service (DAAD)

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

30. Stecker, M., & **Hopp, F.R.** (conditional acceptance). Moral foundation measurements fail to converge on multilingual party manifestos. *Political Analysis*.

29. Peterson, D., Rooduijn, M., **Hopp, F.R.,** Schumacher, G., & Bakker, B.N. (2025). Loneliness is positively associated with support for the populist radical right. *Social Science & Medicine*.

28. Weber, R., **Hopp, F.R.,** Eden, A., Fisher, J.T., Lee, H.E. (2024). Vicarious punishment of moral violations in naturalistic drama narratives predicts cortical synchronization. *NeuroImage.*

27. **Hopp, F.R.,** Jargow, B., Kouwen, E., & Bakker, B.N. (2024). The Dutch moral foundations stimulus database: A validation of standardized vignettes and images. *Judgment and Decision Making*.

26. Mokhberian, N., Marmarelis, M.G., **Hopp, F.R.,** Basile, V., Morstatter F., & Lerman, K. (2024). Capturing perspectives of crowdsourced annotators in subjective learning tasks. *Proceedings of the 2024 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies* (Volume 1: Long Papers), pages 7337–7349, June 2024. Association for Computational Linguistics.

25. **Hopp, F.R.**, Amir, O., Fisher, J.T., Grafton, S., Sinnott-Armstrong, W., & Weber, R. (2023). Moral foundations elicit shared and dissociable cortical activation modulated by political ideology. *Nature Human Behavior*.

24. Fisher, J.T., **Hopp**, **F.R.**, & Weber, R. (2023). Cognitive and perceptual load have opposing effects on brain network efficiency and behavioural variability in ADHD. *Network Neuroscience*.

23. Youk, S., Malik, M., Chen, Y., **Hopp, F.R.,** & Weber, R. (2023). Measures of argument strength: A computational, large-scale analysis of effective persuasion in real-world debates. *Communication Methods and Measures*.

22. Fisher, J.T., **Hopp**, **F.R.**, Chen, Y., & Weber, R. (2023). Uncovering the structure of media multitasking using network analytic techniques. *Computers in Human Behavior*.

21. Schneider, F. M., Rieger, D., **Hopp, F.R.**, (2023). First aid in the pocket: the psychosocial benefits of smartphones in self-threatening situations. *Computers in Human Behavior*.

20. Chen, Y., **Hopp, F.R.**, Malik, M., Wang, P. T., Woodman, K., Youk, S., & Weber, R. (2022) Reproducing FSL's fMRI Data Analysis via Nipype: Relevance, Challenges, and Solutions. *Frontiers in Neuroimaging*.

19. Mokhberian, N., **Hopp, F.R.**, Harandizadeh, B., Morstatter F., & Lerman, K. (2022). Noise audits improve moral foundation classification. *Proceedings of the 2022 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, (pp. 147-154). IEEE.

18. Fisher, J.T., **Hopp**, **F.R.**, & Weber, R. (2022). Mapping attention across multiple media tasks. *Media Psychology*.

17. Malik, M., **Hopp, F.R.**, & Weber, R. (2022). Representations of racial minorities in popular movies: A content-analytic synergy of computer vision and network science. *Computational Communication Research*.

16. **Hopp, F.R.**, & Weber, R. (2021). Reflections on extracting moral foundations from media content. *Communication Monographs*, *88*(3), 371–379.

15. **Hopp, F.R.**, & Weber, R. (2021). Rejoinder: How methodological decisions impact the validity of moral content analyses. *Communication Monographs, 88*(3)*,* 371–379.

14. Malik, M., **Hopp, F.R.**, Chen, Y., & Weber, R. (2021). Does regional variation in pathogen prevalence predict the moralization of COVID-19 in online news? *Journal of Language and Social Psychology*.

13. Rohm, S., **Hopp, F.R.**, & Smit, E.G. (2021). Exposure to serial audiovisual narratives increases empathy via vicarious interactions. *Media Psychology*.

12. **Hopp, F.R.**, Fisher, J., 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. *Behavior Research Methods*.

11. **Hopp, F.R.**, Fisher, J., & Weber, R. (2020). A graph-learning approach for detecting moral conflict in movie scripts. *Media and Communication*, *8*(3), 164–179.

10. **Hopp, F.R.**, Fisher, J., & Weber, R. (2020). Dynamic transactions between news frames and sociopolitical events: An integrative, hidden markov model approach. *Journal of Communication*, *70*(3), 335–355.

9. Fisher, J. T., **Hopp, F.R.**, & Weber, R. (2020). A practical introduction to network neuroscience for communication researchers. *Communication Methods and Measures*, 1–20.

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

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

6. Weber, R., Mangus, J., M., Huskey. R., **Hopp, F.R.**, Amir, O., Swanson, R., Gordon, A., Khooshabeh, P., Hahn, L., Tamborini, R. (2018). Extracting latent moral information from text narratives: Relevance, challenges, and solutions. *Communication Methods and Measures*, *2*(2-3), 119–139.

5. Weber, R., Fisher, J.T., **Hopp, F.R.**, Lonergan, C. (2017). Taking messages into the magnet: Method-theory synergy in media neuroscience research. *Communication Monographs*, *84*, 1–22.

4. Weinmann, C., Roth, F. S., Schneider, F. S., Krämer, T., **Hopp, F.R.**, & Vorderer, P. (2017). I don't care about politics, I just like that guy! Affective disposition and political attributes in information processing of political talk shows. *International Journal of Communication*, *11*, 3118–3140.

3. Schneider, F. M., Zwillich, B., Bindl, M., **Hopp, F.R.**, Vorderer, P., Reich, S. (2017). Social media ostracism: The effects of being excluded online. *Computers in Human Behavior*, *73*, 385–393.

2. Roth, F. S., Weinmann, C., Schneider, F. S., **Hopp, F.R.**, Bindl, M. J., & Vorderer, P. (2017). Curving entertainment: The curvilinear relationship between hedonic and eudaimonic experiences while watching a political talk show and its implications for information processing. *Psychology of Popular Media Culture*, *6*, 1–19.

1. Roth, F., Weinmann, C., Schneider, F., **Hopp, F.R.**, & Vorderer, P. (2014). Seriously entertained: Antecedents and consequences of hedonic and eudaimonic entertainment experiences with

political talk shows on TV. *Mass Communication and Society*, *17*(3), 379–399.

CHAPTERS

6. **Hopp, F.R.** & Bos, L. (forthcoming). Moral appeals. *Encyclopedia of Political Communication*.

5. **Hopp, F. R**. & Bakker, B.N. (2024). Neurobiological measures. *Media exposure and neurobiological theories & methods.*

4. Bos, L., **Hopp, F.R.**, & Sheets, P. (2023). Populist moralization of foreign policy issues. In Lacatus, C., Löffmann, G., & Maibauer, G. (Eds.). *Populism, Political Communication and Performative Leadership in International Politics*.

3. Weber, R., **Hopp, F. R.**, & Fisher, J. (2020). The moral narrative analyzer (MoNA): A platform for extracting moral emotions and conflict from messages at scale. In *Neuromarketing Yearbook 2020*. Neuromarketing Science & Business Association (NMSBA).

2. Fisher, J.T., Lonergan, C., **Hopp, F. R**., & Weber, R. (2022) Media entertainment, flow experiences, and the synchronization of audiences. In P., Vorderer, & C., Klimmt (Eds.), *Oxford Handbook of Entertainment Theory*.

1. **Hopp, F. R.**, & Weber, R. (2020) The state-of-the-art and future of fMRI methodology in communication research. In R., Weber & K., Floyd (Eds.), *Handbook of Communication Science and Biology*. New York, NY: Routledge.

UNDER REVIEW // IN PREPARATION

Malik, M., Youk, S., **Hopp, F.R.**, Curry, S., Cheong, M., Alfano, M., & Weber, R. (revise & resubmit). The extended morality as cooperation (eMAC) dictionary: A crowd-sourced approach via the Moral Narrative Analyzer platform.

Wickenkamp, A., **Hopp, F.R.**, Hameleers, M., & Bos, L. (revise & resubmit). The moral foundations of populist communication: A semantic network analysis of political parties' social media discourse in a multi-party system.

Bomm, L., Schumacher, G., **Hopp, F.R.**, Bakker, B.N. (under review). The structure and correlates of societal threat perceptions: A network approach.

Pröpper, H., Bos, L., Hameleers, M., & **Hopp, F.R.** (under review). On the prevalence, universality and politicization of morality in United Nations speeches.

Hopp, F.R., Youk, S., Armstrong, W., & Weber R., (in prep). A robust and replicable neural signature predicts graded computations of moral wrongness.

Hopp, F.R., Youk, S., Scholte, H.S., Armstrong, W., & Weber R., (in prep). The moral foundations MRI collection: A multi-center, multi-country functional MRI collection for evaluating moral judgment.

RESEARCH GRANTS

- PI, *Bridging Divides: The Role of Perspective-Taking in Reducing Political Polarization* (with Co-PIs Bathelt, J. & Bakker, B.N., RPA Polarisation Seed Grant, €20,000,-)

- PI, *Moral dilemmas in politics: How moral conflict shapes discourse and decision-making* (with Co-PIs Bos, L. & Hameleers, M., Starter Grant, €300,000,-)

- Co-PI, *A multi-modal, multi-platform investigation into political moral appeals* (with Co-PI Bos, L., Digicomlab, €6,000,-)

- Co-I, *Moral compass: how moral language of Dutch politicians and journalists guides audiences* (with PI: Bos, L., SSH NWO-M, € 395,858,-)

- Co-I, *Under pressure: How citizens respond to threats and adopt the attitudes and behaviours to counter them* (NWO VI.Vidi.211.055 awarded to Bakker, B.N.)

SOFTWARE PACKAGES

- The GDELT interface for Communication Research (iCoRe; http://icore.mnl.ucsb.edu)

- The Moral Narrative Analyzer (MoNA; https://mnl.ucsb.edu/mona/)

- eMFDscore (https://github.com/medianeuroscience/emfdscore)

PRESENTATIONS

INVITED TALKS

- **University of Buffalo**, Keynote Speaker, Moral Media Conference (April, 2025). *Decoding the Moral Brain: From Neural Representations to Moral Judgments.*
- **University of Amsterdam**, A.D. de Groot Center for Cognitive AI (May, 2024). *Harnessing Cognitive AI for Moral Neuroscience.*
- **University of Amsterdam**, AIM PPLE Speaker Event (March, 2024). *The (dis)unity of morality: Insights from NeuroAI.*
- **Radboud University**, Symposium: "Media to Inspire" (March, 2024). *Neural Decoding and Inspiring Media Messages.*
- **Royal Netherlands Academy of Arts and Sciences (KNAW)**, Workshop: Advances in the study of Affect and Politics (April, 2022). *Media and the Moral Brain.*

- **University of Amsterdam**, Psychology Forum (February, 2022). *Morally Polarized Perception: Current Efforts to Examine Neural Patterns of Political Polarization*
- **Heinrich Heine University**, Heine Center for Artificial Intelligence and Data Science, (December, 2021). *Morality in the Age of AI and Data Science*.
- **University of Amsterdam**, Hot Politics Lab (December, 2021). *Morality in Media, Society, and the Brain.*
- **University of Amsterdam**, Digital Communication Methods Lab (March, 2021). *Moralized Communication in the Digital Age*.
- **Screen Stories & Moral Understanding** (March, 2021). *Moral Conflict, Screen Stories, and Narrative Appeal*
- **University of California at Santa Barbara**, Center for Information Technology and Society (February, 2021). *Workshop on Moral Sentiment Mining*
- **University of California at Davis**, Department of Communication (April, 2020). *Computational Modelling of Moral Belief Systems*.
- **Neuromarketing World Forum** (NMWF; 2020). *A good story involves moral conflict – sure, but what exactly is moral conflict?* Keynote Speaker. Los Angeles, CA, USA.

CONFERENCES ORGANIZED

Hopp, F.R.*, Lukito, J.*, & TeBlunthuis, N*. (2019). Expanding computational communication: Towards a Pipeline for Graduate Students and Early Career Scholars. Pre-conference at the International Communication Association. (*contributed equally)

Hopp, F.R.*, Fisher, J.*., Löcherbacher, F., & Lukito, J. (2022). ICA 2022 Hackathon: Opening Computational Communication. Pre-conference at the International Communication Association (*contributed equally)

OUTREACH

- Hopp, F.R. (2024). Why is minority representation in film important? *University of Amsterdam* https://www.youtube.com/watch?v=JokJ802RcMM
- Ranganatha, N. (2024). Moral reasoning in the brain. *Room for Discussion*. https://open.spotify.com/episode/3lISp9fuafGuAoshYousGc?si=c779a905ee3d4305
- Krapp, C. (2023). Welche Hirnareale für Moral zuständig sind. Moralische Überzeugungen von Menschen sind im Gehirn messbar. *Scinexx.de.* *https://www.scinexx.de/news/psychologie/welche-hirnareale-fuer-moral-zustaendig-sind/*
- Tasoff, H. (2023). Moral reasoning displays characteristic patterns in the brain, with distinctions between moral categories *The Current UC Santa Barbara*. https://news.ucsb.edu/2023/021196/moral-reasoning-displays-characteristic-patterns-brain-distinctions-between-moral
- Heim, M. & Domahidi, E. (2023). Where is our moral compass pointing? *Computational Communication Science Podcast*. https://podcasters.spotify.com/pod/show/ccs-pod/episodes/Where-is-our-moral-compass-pointing-e25kd85/a-aa04rai

- Fazio, L. (2021). The Extended Moral Foundations Dictionary: A new resource for coding moral content. *Psychonomic Society*. https://featuredcontent.psychonomic.org/the-extended-moral-foundations-dictionary-a-new-resource-for-coding-moral-content/
- Leetaru, K. (2020). Examining Trends in Moral News Framing Across a Decade of Television Coverage. *The GDELT Project Blog*. https://blog.gdeltproject.org/examining-trends-in-moral-news-framing-across-a-decade-of-television-coverage/
- Tasoff, H. (2019). The moral mind: Researcher blazes the way in our understanding of moral sensibilities. *The Current UC Santa Barbara*. https://www.news.ucsb.edu/2019/019588/moral-mind
- Koenig, S. (2019). Is the psychology of Greta Thunberg's climate activism effective? *Nautilus*. http://nautil.us/blog/is-the-psychology-of-greta-thunbergs-climate-activism-effective

TEACHING

Trier University
Moral Psychology

University of Amsterdam
Psychology of Political Communication
Data Journalism
Statistical Modelling Communication Research
Citizens and Public Opinion

University of California, Santa Barbara
Media Effects on the Individual
Introduction to Communication
Statistical Analysis of Communication
Research Methods
Theories of Communication

University of Mannheim
Introduction to Media- and Communication Studies
Theories of Media- and Communication Studies
Scientific Working Routines

UC-wide online course "Computational Social Science"

(CMN 150V, UC Davis)

SERVICE

University of Trier   2024–Present
PhD Mentorship
- Sarah Marie Müller (2024–Present)
Post-Doc Mentorship
- Tim Lauer (2025–Present)

University of Amsterdam   2021–2024
Organization of Research Lunches
PhD Club Convener
PhD Mentorship
- Henrik Pröpper (2024–Present)

- Anna Wickenkamp (2024–Present)
- Delaney Peterson (2023–Present)
- Linda Boom (2023–Present)

University of California, Santa Barbara

NSF IGERT Research Internship Student Mentor	2018
Graduate Scholars Program Student Mentor	2020–2021

Ad-hoc Reviewer

Nature Human Behavior, Proceedings of the National Academy of Sciences, Science Advances, Social Cognitive and Affective Neuroscience, Computational Communication Research, Communication Studies, Communication Methods & Measures, Media and Communication, Information, Communication, & Society, International Journal of Communication, Journalism Studies, Journal of Communication, Journal of Media Psychology

Languages

German (native)	Python (10+ years)
English (fluent)	R (10+ years)
Spanish (intermediate)	JASP (5+ years)