

Antoine Marie

French and Swiss citizen

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H-index 7, 600 citations

Referees:

Michael Bang Petersen (Aarhus University): michael@ps.au.dk

Kevin Arceneaux (CEVIPOF, Sciences Po): kevin.arceneaux@sciencespo.fr

Hugo Mercier (CNRS, Institut Jean Nicod): hugo.mercier@gmail.com

SUMMARY

Hi there! I am a political psychologist with a background in political science, philosophy, sociology, cognitive science and evolution. I conduct cross-cultural experiments and develop theory to explore how people reason and communicate about sociopolitical topics. I'm in particular interested in the *social functions* of the following phenomena: fake news and conspiracy theories endorsement and spread, group-based biases, moralization processes, the politicization of scientific topics, the repression of speech on societal issues, and cultural conservatism.

My peer-reviewed articles and other **publications** are presented below. They have appeared in the *European Journal of social psychology*, *Political communication*, *PNAS Nexus*, *Nature Communications*, *EMBO Reports*, and *Current Opinion in psychology*, among others.

I teach political psychology (Bachelor's and Master's level) and **experimental design for psychology and social science** (1st year Ph.D. students).

I am a strong advocate of **open science** for both ethical and scientific reasons. I post all my data, R scripts, materials, and pre-register my studies on the Open science framework website (OSF). I also make all my papers open access on my website and on OSF, and when this is possible, from the journals as well.

I also value science communication. I have written multiple articles of science popularization and recorded podcasts since my Ph.D. My audiences have been the public (*The New York Times*, *The Conversation*, *The Dissenter*, *La Tronche en biais*, *Character and Context (SPSP)*), and policy makers (*Ministere francais des Armées*).

EDUCATION

2017-2021

Ph.D. in cognitive science (social psychology specialization) with full marks and honors from Université de Paris. Host labs: Institut Jean Nicod, Ecole Normale Supérieure, PSL Research University & Cognitions Humaine et Artificielle (CHArt). (Doctoral school: Center for Research and Interdisciplinarity, Université de Paris)

Supervision: Jean Baratgin (Université Paris 8 Vincennes Saint-Denis) and Brent Strickland (CNRS, Institut Jean Nicod, Ecole Normale Supérieure, EHESS, PSL)

2017

Master's degree (M2) in Cognitive Psychology, University Paris 8 Vincennes Saint-Denis-Ecole Pratique des Hautes Etudes (*cum laude*)

2016

Master's degree (M2) in Sociology, Sciences Po's Doctoral School (Sciences Po Paris' research program)

2014

Master's degree (M1) in Philosophy, University Paris Nanterre (*cum laude*)

2012-2013

Study year at the Department of philosophy, Rutgers University, New Jersey, U.S.A.
Undergraduate degree, Sciences Po Paris

2010

Admission at entry exam to Sciences Po Paris (*baccalauréat* +0)
Highschool final exam (French *baccalauréat*) with *summa cum laude* ('Mention très bien'), Lycée Corneille, Rouen, France

EMPLOYMENT

2024-2025

Postdoctoral research fellow at Institut Jean Nicod, CNRS-ENS-EHESS-PSL
Principal Investigator: Olivier Morin, CNRS researcher.

2021-2024

Postdoctoral research fellow on the "Research on Online Political Hostility" project ("ROPH") at the Department of Political Science, Aarhus University, Aarhus, Denmark.
Principal Investigator: Michael Bang Petersen, Professor. 3 years employment.

2020

Visiting scholar at the School of Collective Intelligence, Université Mohammed VI Polytechnique, Ben Guérir, Morocco.

RESEARCH VISITING STAYS

2024-25

Invited scholar in political psychology at the Centre de Recherches Politiques (CEVIPOF, Sciences Po Paris)

PUBLICATIONS

All my publications can be downloaded without paywall at: <https://antoinemariesci.com>

2025

Marie, A. & Petersen, M. B. (2025). Motivations to connect with audiences increase partisan sharing on social media. *PNAS Nexus*. 4(7), pgaf197, <https://doi.org/10.1093/pnasnexus/pgaf197>

Arnal, C., Abraham, L. & **Marie**, A. (2025). Prompt Selection Matters: Enhancing Text Annotations for Social Sciences with Large Language Models. *Journal of Computational Social Science*. ArXiv Preprint: <https://arxiv.org/abs/2407.10645>.

Marie, A. (2025). Quelques conseils pour survivre aux discussions politiques de manière productive [Some advice on how to navigate political discussions more productively]. In *Petit guide de survie aux discussions des repas de famille*, dir. Clément Reversé, éditions Le bord de l'eau ; OSF Preprint: <https://osf.io/preprints/osf/28fbz>

Marie, A. & Altay, S. (2025). Polarisation idéologique & Polarisation affective. *Dictionnaire de l'erreur*, dir. Gérard Bronner, Presses universitaires de France, OSF Preprint: <https://osf.io/preprints/osf/xrch4>

2024

Marie, A. & Petersen, M. B. (2024). Moralization of rationality can stimulate sharing of hostile and false news on social media, but intellectual humility inhibits it. *Political communication*. Open access: <https://doi.org/10.1080/10584609.2024.2363542>

Marie, A.*, Xiao, H.* & Strickland, B. (2024). Moral commitment to gender equality increases (mis)perceptions of gender bias in hiring. *European journal of social psychology*. Open access: <https://doi.org/10.1002/ejsp.3071>

* joint first authors

Marie, A. (2024). Review of *Breaking the Social Media Prism*, by Chris Bail (in French). *Revue française de science politique*. <https://shs.cairn.info/revue-francaise-de-science-politique-2023-4-page-734?lang=fr> OSF preprint: <https://osf.io/rven9>

2023

Marie, A. & Petersen, M. B. (2023) Speech Repression and Outrage from Orthodox Activists as Attempts at Facilitating Mobilization and Gaining Status among Allies, *Psychological Inquiry*, 34:3, 192-197, DOI: [10.1080/1047840X.2023.2274401](https://doi.org/10.1080/1047840X.2023.2274401)
Commentary on Pinsof, Haselton & Sears (2023). Strange Bedfellows: The Alliance Theory of Political Belief Systems, 34(3), 139–160. <https://doi.org/10.1080/1047840X.2023.2274433>.

Marie, A., Altay, S., Strickland, B. (2023). Moralization and extremism robustly amplify myside sharing. *PNAS Nexus* 2 (4), Open access: <https://doi.org/10.1093/pnasnexus/pgad078>

2022

Marie, A. & Petersen, M. B. (2022). Political conspiracy theories as tools for mobilization and signaling. *Current opinion in psychology*, DOI: <https://doi.org/10.1016/j.copsyc.2022.101440>, Open access: <https://osf.io/c26yw/>

International Collaboration on the Social & Moral Psychology of COVID-19

At the peak of the Covid-19 pandemic, more than 200 researchers joined their forces behind Jay Van Bavel to run the biggest international collaboration in social and moral psychology ever. **I was team leader of data collection in France, as well as Morocco and Senegal**, which were among the very few African countries covered. The three

papers and the scientific blog post below emerged from this large-scale collaboration. The website of the international collaboration is [here](#).

Van Bavel, J. J., Cichocka, A., Capraro, V., [...] **Marie**, A., [...] & Boggio, P. S. (2022). National identity predicts public health intentions during a pandemic. *Nature Communications* 13, 517. <https://doi.org/10.1038/s41467-021-27668-9>

Azevedo, F., Pavlović, T., Rêgo, G. G. d., Ay, F. C., Gjoneska, B., Etienne, T.... **Marie**, A., ... Sampaio, W. M. (2022). Social and moral psychology of COVID-19 across 69 countries. *Nature Scientific Data*. <https://doi.org/10.31234/osf.io/a3562>.

Pavlović, T., Azevedo, F., [...] **Marie**, A., [...] & Van Bavel, J. J. (2022). Predicting attitudinal and behavioral responses to COVID-19 pandemic using machine learning, *PNAS Nexus*, pgac093, <https://doi.org/10.1093/pnasnexus/pgac093>

Azevedo, F., Gjoneska G., Capraro, V., Etienne, T., Lamm, C., **Marie**, A., Jangard, S., Nitschke, J., Oldemburgo de Mello, V., Puthillam, A., Riaño Moreno, J., Ibanez, A., Nurse, M., and Zhang, Y. (2022, January 26th). An International Investigation of the Psychology of COVID-19. *Nature Portfolio*. <https://go.nature.com/3oXmjJo>

2021

Marie, A. (2021). Moral conviction, political polarisation, and susceptibility to misinformation. Ph.D. Dissertation, University of Paris. [[Downloadable here](#)]

2020

Marie, A. Altay, S., Strickland, B. (2020). The cognitive foundations of misinformation on science, *EMBO Reports*, 21:e50205. DOI: [10.15252/embr.202050205](https://doi.org/10.15252/embr.202050205) [[Open access here](#)]

Marie, A. (2020). Moral Rigidity Evolved to Strengthen Bonds Within Groups. "What is extremism?" issue of *This View of Life* magazine, The evolution institute. Editors: Anthony C. Lopez, Hammad Sheikh, David Sloan Wilson.

2019

Allard, A. & **Marie**, A. (2019). Explaining Historical Change in Terms of LHT: Promising, But A More Pluralistic Causal Framework Is Needed, commentary on Baumard, N., Psychological origins of the industrial revolution. *Behavioral and Brain Sciences*, **42**, e189: 1–63. DOI: [10.1017/S0140525X1800211X](https://doi.org/10.1017/S0140525X1800211X) [[Preprint downloadable here](#)]

Marie, A. (2019). Moral Rigidity as a Proximate Facilitator of Group Cohesion and Combativeness, commentary on De Dreu, C. K. W. & Gross, J., Revisiting the form and function of conflict: Neurobiological, psychological, and cultural mechanisms for attack and defense within and between groups, *Behavioral and Brain Sciences*, **42**, e116: 1–66. DOI:[10.1017/S0140525X18002170](https://doi.org/10.1017/S0140525X18002170) [[Preprint downloadable here](#)]

2018

Marie, A. (2018). "Self-sacrifice" as an Accidental Outcome of Extreme Within-group Mutualism, commentary on Whitehouse H. (2018). Dying for the group: Towards a general theory of extreme self-sacrifice. *Behavioral and Brain Sciences*, **41**, e192: 1–62. DOI: <https://doi.org/10.1017/S0140525X1800167X>
[Preprint downloadable here]

Marie, A. (2018). Radicalisation, *Dictionnaire des passions sociales*, dir. G. Origgi, Presses Universitaires de France
[Preprint downloadable here]

IN REVISION

Bor, A., **Marie, A.**, Pradella, L., Petersen, M. B. (revise and resubmit *Nature Human Behavior*). Undemocratic and unequal countries experience more political hostility on social media – Evidence from 30 Countries, OSF Preprint: <https://osf.io/preprints/psyarxiv/spkyz>

Marie, A. (revise and resubmit *Annals of the New York Academy of Sciences*). Speech repression and threat narratives in politics: social goals and cognitive foundations. OSF Preprint: <https://osf.io/preprints/osf/576ja> ; peer-reviewed article I was invited to submit to a special issue of the *Annals of the New York Academy of Sciences* on the “dark side of morality”, edited by Jean Decety, university of Chicago.

Marie, A., Trad, H., Strickland, B. (revise and resubmit *Behavioral public policy*). Laypeople have difficulty processing efficiency when assessing environmental policies. OSF preprint: osf.io/scd4w

UNDER REVIEW

Cordonier, L., **Marie, A.** & Cafiero, F. (under review). The Credibility Costs of Activist Self-Presentation for Climate Scientists: Evidence from a Preregistered Experiment in France. OSF Preprint: <https://osf.io/4vthg>

Marie, A. & Xiao, H. (under review). From Parenting to Prejudice: The Association Between Parenthood and Anti-Immigration Sentiments in 38 nations. OSF Preprint: <https://osf.io/preprints/osf/4scvg>

Marie, A. & Morin, O. (under review). Fear of coordination costs can increase conservative attitudes. OSF Preprint: <https://osf.io/preprints/osf/ank2q>

Youngblood, M., **Marie, A.**, Morin, O. (under review). Status quo conservatism : a theory and a model. <https://osf.io/preprints/socarxiv/ngb58>

IN PROGRESS

Cordonier, L. & **Marie**, A. (in progress). Perceptions of public sector corruption drive endorsement of conspiracy theories. OSF Preregistration: <https://osf.io/8z7au>

Marie, A. (in progress). L'humilité intellectuelle comme rempart contre la polarisation ? In *Vérité et croyances au XXI^e siècle*, dir. Claudia Senik, La Découverte

Marie, A. & Petersen, M. B. (in progress). The cognitive foundations of ideological orthodoxy: threat-avoidance, ingroup mobilization and signaling. OSF preprint: <https://osf.io/78puz/>

Rathje, S., Asimovic, N., Robertson, C., Ventura, T., Tucker, J., Van Bavel, J.

Marie, A., et al. (in progress). Testing the causal impact of social media reduction in 10 countries.

Fazio, L., Susmann, M., Rand, D., Lewandowsky, S., **Marie**, A., Altay, S., Petersen, M. B., Van Bavel, J. J., et al. (in progress). A mega study testing multiple interventions against misinformation.

CONFERENCE POSTERS

Marie, A. (2024). Cognitive foundations of speech repression: mobilisation-maintenance, threat-detection, status acquisition, Human Behavior and Evolution Society conference, Aarhus University, Denmark, May 24th 2024, [\[Poster downloadable here\]](#)

Marie, A. (2018). “Self-sacrifice” as an accidental outcome of extreme within-group mutualism, Aegina Summer School 2018 “New Perspectives & Methods on Social Cognition”, June 24th to Sunday July 1st, 2018, Hotel Apollo, Aegina, Greece
[\[Poster downloadable here\]](#)
<https://philosophy.sas.ac.uk/https%3A//philosophy.sas.ac.uk/aegina2018>

TALKS AT INTERNATIONAL CONFERENCES

2025

Epistemic vigilance and belief polarization, Epistemic vigilance and misinformation seminar, June 19th, Université de Nice, France

Influence and signaling goals in political communication: a focus on speech repression and motivated resistance. Explaining culture: an interdisciplinary approach, May 26th, Ecole Normale Supérieure, Paris, France

2024

Intellectual Humility as a mitigator of political polarization, September 2nd 2024, University of Geneva

Why are people dogmatic on political topics? 18th April 2024, Annual Conference of the European Human Behavior and Evolution Association (EHBEA), Université de Montpellier

2023

Cognitive Foundations of Orthodoxy: Threat detection, Mobilization and Signaling, 18-21 April 2023, Annual Conference of the European Human Behavior and Evolution Association (EHBEA) <https://ehbea2023.wixsite.com/ehbea-2023>, University College London

Moralisation and its cognitive consequences: three studies, February 21st, 2023, Université Libre de Bruxelles, Belgique

2022

Intentions Matter a Lot, and Efficiency Little, in Folk Evaluation of Environmental Policies. Danish Political Science Association Annual Conference, November 20th 2022, Vejle, Denmark.

The cognitive foundations of ideological orthodoxy. Evolution, culture and cognition seminar, 28th Nov-Dec. 1st 2022, Saint-Jacut-de-la-mer, France

Moralization of rationality can stimulate, but intellectual humility inhibits, sharing of hostile conspiratorial rumors. ROPH conference on online political hostility and Bystanders, June 9-10th 2022, Aarhus University, Denmark

2018

From fairness to « self-sacrifice »: a mutualistic evolutionary perspective, Aegina Summer School 2018 “New Perspectives & Methods on Social Cognition”, June 24th to Sunday July 1st, 2018, Hotel Apollo, Aegina, Greece

<https://philosophy.sas.ac.uk/https%3A//philosophy.sas.ac.uk/aegina2018>

Explaining the Evolution of Extreme Parochial Altruism and Sacralization from a Mutualistic Perspective, Evolutionary ethics: The nuts and bolts approach, 20-21 July 2018

<https://www.brookes.ac.uk/HSS/Events/Evolutionary-ethics/>

Why do Humans Sacralize and Objectify Moral Demands ? Explaining Moral Rigidity from a Mutualistic Perspective. Young Scientists' Forum, [International rationality summer institute 2018](http://2018.irschool.de/young-scientists-forum/), September 02 – 14, 2018, Irsee, Germany <http://2018.irschool.de/young-scientists-forum/>

TEACHING EXPERIENCE

Political psychology - [Syllabus linked here](#)

2024

Political psychology and political behavior: semester-long undergraduate course for students at Paris Sciences et Lettres (PSL) (90 hours; validation based on writing of an empirical research project and an oral exam)

2022, 2023

Political psychology and political behavior: semester-long master's course for political science, psychology and other social sciences students at Aarhus University (210 hours; validation based on writing of an empirical research project and an oral exam)

2017-19

Introduction to political psychology to master's students in psychology, Ecole Pratique des Hautes Etudes & Université Paris 8 Vincennes Saint-Denis (50 hours in total).

Research methods for psychology - [Syllabus linked here](#)

2020

Research methods for social science and psychology: workshop on experimental design, replicable science and statistics for psychology for 1st year Ph.D. students at the School of Collective Intelligence, Université Mohammed VI Polytechnique, Morocco (50 hours in total)

SUPERVISION EXPERIENCE

2024

Ines Zerda: Supervision of an internship on the social functions of speech restriction, Paris Sciences et Lettres

2022-23

Christian Bjørnholt Hjorth: Supervision of a scientific article drawing on his bachelor's dissertation, Aarhus University

2022

Line Duus Jacobsen: Supervision of master's dissertation, Aarhus University

2019

Ahmed Elkosair: Co-supervision of master's dissertation project with Jean Baratgin, University Paris 8-EPHE

AWARDS & RESEARCH GRANTS

2025

Recipient of a two-years grant from the French Agence nationale de la recherche to prepare an ERC Starting grant (ANR Access ERC; I am the primary investigator of this grant) (185'000€)

2024

Recipient of Fondation pour les Sciences Sociales' prize ; <https://www.fondation-sciences-sociales.org/les-chercheurs-de-la-promotion-2024-2025/>

2023

Recipient of Aarhus University Small Project Grant (3000€)

2022

Recipient of Aarhus University Small Project Grant (3000€)

2021

Recipient of Aarhus University Small Project Grant (3000€)

2021

Hiring by M. B. Petersen (h index 56) on a 3-years postdoctoral project at Aarhus University's Political science department, on Carlsberg Foundation funding (€216'000 over three years; project name: 'Research on online political hostility', ROPH)

2020

Recipient of "SILCOVID19" research grant (46'000€) from Université Mohammed VI Polytechnique, with Emile Servan-Schreiber, Mélusine Boon-Falleur, and Brent Strickland

2017

Recipient of Université de Paris' Ph.D. scholarship (100'000€): Initiatives d'Excellence en Formations Innovantes (IDEFI), Institut Innovant de Formation par la Recherche (IIFR), éOTP 12IDE300UPDE_1

REVIEWING EXPERIENCE

I have reviewed manuscripts for the following journals:

Nature Scientific Reports

British Journal of Psychology

Political Psychology

Political Behavior

Group Processes and Intergroup Relations

Annals of the New York Academy of Sciences

Journal of Experimental Psychology: General

Journal of Applied Social Psychology

Annals of the New York Academy of Sciences

New Media & Society

Mass Communication and Society

Royal Society Open Science

Review of Psychology and Philosophy

Frontiers in Psychology

Culture and evolution

Journal of Applied Social Psychology

PROFESSIONAL MEMBERSHIPS

Association for the Diffusion of International Research in Social Psychology (Association pour la Diffusion de la Recherche Internationale en Psychologie Sociale, ADRIPS)

French-speaking Association in Political Psychology (Association Francophone Pour La Recherche En Psychologie Politique (AFR-Psypol))

Association Française de Science Politique (AFSP)

PUBLIC OUTREACH

Interviews

Interview sur Radio Fidélité avec Michel Wievorka (CAIS) et Luc Rouban (CNRS-Sciences Po): "[Populisme: la démocratie face à ses démons](#)", 24 février 2025

Podcast of Johann Hoarau, "[Les Origines psychologiques de notre irrationalité politique](#)" 07/2024

The Dissenter #738 "[Moral Convictions, Politics, Misinformation, and Conspiracy Theories](#)" 02/2023

The Dissenter #918 "[The Biases of People with Strong Political and Moral Convictions](#)" 03/2024

La Tronche en bias, TeL #131 "[Le tribalisme numérique : Une haine inévitable ?](#)" 02/2024

Press coverage of my research

Edsall, T. June 28th (2023), [This Is Why Trump Lies Like There's No Tomorrow](#). *The New York Times*.

Popular science articles

Marie, A (April 24th, 2025). [La notion de « post-vérité » saisit mal les menaces cognitives et sociales qui pèsent sur la démocratie](#), *Analyse Opinion Critique (AOC)*.

Marie, A. (February 23rd, 2025). [Elon Musk et les entrepreneurs moraux : leur stratégie pour nous manipuler](#). *L'Express*

Marie, A. (September 11th, 2024). [Who Shares Hostile Political News on Social Media?](#) *Character and Context*, Society for Personality and Social Psychology

Marie, A. & Xiao, H. (August 23rd, 2024). [Strong Gender Equalitarian Convictions Can Make You 'Misperceive' Gender Bias in Hiring](#). *Character and Context*, Society for Personality and Social Psychology

Marie, A. (January 20th 2025). [Sommes-nous entrés dans une époque de post-vérité ?](#) *The Conversation (FR)*

Marie, A. (July 4th 2024). [Pourquoi présenter tous les électeurs du Rassemblement national comme des « racistes » peut être contre-productif](#). *The Conversation (FR)*

Marie, A. (June 21st 2024). [Is Social Media Fuelling Political Hostility?](#) *The Conversation (EN)*

Marie, A. (June 17th 2024). [Réseaux sociaux : la fabrique de l'hostilité politique ?](#) *The Conversation (FR)*

PROGRAMMING SKILLS

R, R Studio (tidyverse; ggplot2; glm; lme4; etc.)
Proficient in Qualtrics survey programming
Some experience with STATA, HTML, Javascript

ETHNOGRAPHIC RESEARCH SKILLS

Ethnographic observations over a 4-months period and 15 in-depth interviews of the professional activities of corporate coaches, during my master's in sociology. My investigation and interviews focused on coaches' uses of 'personal development' knowledge in the way they deal with issues of burn out, meaninglessness, and career strategy among private corporation executives.

LANGUAGES

French (native)
English (fluent speaking and writing)
Spanish (beginner)