

# AMÉLIE BRET

amelie.bret@univ-grenoble-alpes.fr ✉

Grenoble France 📍

+33 6 14 89 06 801 📞

@amebret 🐦

Amélie Bret 

PHD STUDENT

My main research interest is the interplay between conservatism and attitudes changes. I am looking for a project with a positive societal and fundamental impact.

## RESEARCH INTEREST



Conservatisme  
Attitude change  
Psychology of Eating Animals  
Inclusive writing  
Methodology

## LANGUAGES

French · Native  
English · Scientific  
Spanish · Learning



## ACTIVITIES

Reflexions on consumption are complementary and essential to my scientific activities. They foster both rigor and creativity in new ways.

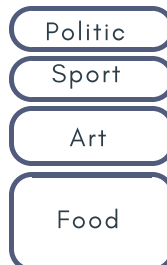


as a volunteer in popular education

Center for Open Science Ambassador



I mainly use R for data analysis and Testable to program experiments



2018



## CURRENT RESEARCH PROJECTS

Socio-political ideologies

Is political conservatism responsible to weaker attitude change in evaluative conditioning ?

Bayesian modeling of cognitive conservatism and attitude change.

Attitudes

How do processing goals influence evaluative conditioning?

Moral extremism

Comparing the opposition between carnism and veganism with the opposition between the pro- and anti- animal experimentation.

Inclusive writing

Is inclusive writing useful to reduce prejudice ? An experimental approach

Methodology - Data analysis

What are the necessary methodological precautions during Bayesian sequential hypothesis testing?

Epistemology

What is psychological science ?

## EDUCATION

University Grenoble Alpes  
University Catholic of  
Louvain  
2015 - 2018

### PhD Student

"Social and cognitive determinants of attitude change in evaluative conditioning"

Advisors: Prof. Olivier Corneille & Prof Martial Mermillod

University Grenoble Alpes  
2014 - 2015

### Master Degree

"Cognitive roots of racial discrimination: an investigation of the human animal model"

Advisors: Prof Martial Mermillod · Obtained with honors

University Grenoble Alpes  
2013 - 2014

### Master Degree (1st year)

"Early modulation of face perception by racial discrimination"

Advisor: Prof Martial Mermillod & co-advisor Brice Beffara  
Obtained with honors

University Clermont  
Auvergne  
University of Kent  
2011 - 2013

### Bachelor degree

ERASMUS program, 3rd year, Bachelor in psychology  
(University of Kent) · Obtained with honors

1st & 2nd year, Psychology University Clermont Auvergne

# SCIENTIFIC ARTICLES

## In the pipeline

Mierop, A., **Bret, A.**, Hutter, M., Corneille, O., (In Preparation). How do processing goals influence evaluative conditioning? New insights from indirect evaluative measures and multinomial processing tree modeling. OSF : <https://osf.io/b5ynq/>

Mierop, A., **Bret, A.**, Yzerbyt, V., Dumas, R., & Corneille, O. (Submitted JEP:LMC) Evaluative influences of CS-US pairings are unidirectional.

**Bret, A.** & Beffara, B. (Registered Report in Preparation) Is inclusive writing efficient ? Test in the French Language. <https://osf.io/3jq5z/>

Beffara, B., & **Bret, A.** (In Preparation). French translation of the experimental generation of interpersonal closeness procedure (Aron, 1997).

**Bret, A.**, & Beffara, B. (In Preparation). French translation of the vegetarianism threat scale (Dhont and Hodson, 2014).

## Pre - Print

Beffara, B., **Bret, A.**, Nalborczyk, L. (Submitted Meta Psychology). Blinding as a Necessary Precaution Against Experimenter Biases During Sequential Bayes Factor, comment on "Sequential hypothesis testing with Bayes factors: Efficiently testing mean differences ». <https://psyarxiv.com/v7xpg/>

**Bret, A.**, Beffara, B., Mierop, A., Corneille, O., Mermillod, M. (Submitted JESP). Socio-political ideologies Predict (Un)Learning Evaluatively Conditioned Attitudes. <https://psyarxiv.com/3mfa8/>

## Journal Articles

**Bret, A.**, Beffara, B., McFadyen, J., Mermillod, M. (2017). Right wing authoritarianism is associated with race bias in face detection. *PLoS ONE* 12(7): e0179894. doi.org/10.1371/journal.pone.0179894

Beffara, B., **Bret, A.**, Vermeulen, N., & Mermillod, M. (2016). Resting high frequency heart rate variability selectively predicts cooperative behavior. *Physiology & Behavior*, 164, 417-428. doi.org/10.1016/j.physbeh.2016.06.011

Beffara, B., Wicker, B., Vermeulen, N., Ouellet, M., **Bret, A.**, Molina, M. J. F., & Mermillod, M. (2015). Reduction of interference effect by low spatial frequency information priming in an emotional Stroop task. *Journal of vision*, 15(6), 16-16. doi.org/10.1167/15.6.16

**Bret, A.**, & Beffara, B. (2013). Anthropomorphising Ourselves : The Origin of the Free Will Illusion. *Student Journal of Psychology*, 2, 1, 28-30.

## SCIENTIFIC CONFERENCES

**Bret, A.**, Mierop, A., Beffara, B., Corneille, O., and Mermillod, M. (2017, August) Political conservatism and evaluative counter-conditioning: Motivational and cognitive differences. Talk presented at ESCON, Gdansk, Poland.

**Bret, A.**, Mierop, A., Beffara, B., Corneille, O., and Mermillod, M. (2017, July) Right-Wing Authoritarianism is negatively associated with counter-conditioning. Talk presented at EASP, Granada, Spain.

Batailler, C., **Bret, A.**, Kasseh S., Moulin C., Muller D., (2017, July) Toward a Robust Subliminal Priming Procedure ? Poster presented at EASP, Granada, Spain.

**Bret, A.**, Mierop, A., Beffara, B., Corneille, O., and Mermillod, M., (2017, March) When sensitivity to evaluative counterconditioning is associated with sociopolitical ideologies: Is this due to style differences? Talk presented at TEAP, Dresden, Germany.

**Bret A.**, Mierop A, Beffara B, Corneille O and Mermillod M. (2016, August) Socio-political ideologies Predict (Un) Learning Evaluatively Conditioned Attitudes. Talk presented at ESCON, Lisbon, Portugal.

**Bret A.**, Mierop A, Beffara B, Corneille O and Mermillod M. (2016, July) Socio-political ideologies Predict (Un) Learning Evaluatively Conditioned Attitudes. Talk presented at the EASP Medium Size Meeting: The Psychology of Attitudes: Cologne, Germany.

**Bret, A.**, Mierop, A., Beffara, B., Mermillod, M. \& Corneille, O. (2016, December) Quand une plus faible sensibilité au contre-conditionnement évaluatif est associée aux idéologies socio-politiques : ces différences sont-elles dues au style cognitif [When a weaker sensitivity to counter evaluative conditioning is associated with socio-political ideologies: are these differences due to cognitive style] ? Talk presented at the Journée de la Cognition Sociale, Grenoble, France.

**Bret, A.**, Mierop A, Beffara B., Corneille O and Mermillod M. (2016, August) Socio-political ideologies Predict (Un) Learning Evaluatively Conditioned Attitudes. Talk presented at ESCON, Lisbon, Portugal.

**Bret, A.**, Mierop A, Beffara B, Corneille O and Mermillod M. (2016, July) Socio-political ideologies Predict (Un) Learning Evaluatively Conditioned Attitudes. Talk presented at the EASP Medium Size Meeting: The Psychology of Attitudes: Cologne, Germany.

Brice Beffara, **Bret, A.**, Nicolas Vermeulen \& Martial Mermillod. Social neurocardiology. The case of heart rate variability and cooperation in healthy human adults. The 8th European Conference on Behavioural Biology (ECBB 2016), 2016, July 12-15, Vienna, Austria

Bret A., Mierop A, Beffara B, Corneille O and Mermillod M. (2016, June) Les idéologies socio-politiques prédisent la formation de préjugés sans médiation par la flexibilité cognitive. Talk presented at the: Genève, Switzerland.

## SCIENTIFIC CONFERENCES

**Bret, A.**, & Mierop, A (2016, May). Recent advances in attitude formation and decision making. Symposium presented at the 26th meeting of the Belgian Association for Psychological Sciences (BAPS), Antwerp, Belgium

**Bret, A.**, Beffara, B., & Mermillod, M. (2016, March) Are political ideologies linked with the search of out-group faces? An implicit way to access racial discrimination. Poster presented at 2016 Society for Affective Science Annual Conference; Chicago, USA.

Beffara, B., **Bret, A.**, Ferreri, L., Bard, P., Vermeulen, N., Bugajska, A., & Mermillod, M. (2016). Healthy adults with lowest levels of cooperation are more cooperative after heart rate variability biofeedback. Annual Conference of the Society for Affective Science. Chicago (Illinois). USA. March 2016.

**Bret, A.**, Beffara, B., & Martial Mermillod (2015, September) Objectivization or threat perception? Measuring racial discrimination by the visual search of faces. Poster presented at the Annual Conference of European Society for Cognitive Psychology, Paphos, Cyprus

Brice Beffara, **Bret, A.**, Nicolas Vermeulen & Martial Mermillod. Socio-emotional skills and homeostasis in mammals: the key role of heart-brain interactions. ESCOP 2015, September 17-20, Paphos, Cyprus

**Bret, A.**, Beffara, B., & Martial Mermillod (2015, July) Cognitive Roots of Racial Discrimination: objectivization or threat perception? Poster presented at the Annual Conference of International Society for Research on Emotion, Geneva, Switzerland

Brice Beffara, **Amélie Bret**, Amélie Baldini, Nicolas Vermeulen & Martial Mermillod. High frequency heart rate variability is positively associated with cooperation in a chicken game. ISRE 2015, July 8-10, Geneva, Switzerland

**Bret, A.**, Beffara, B., & Mermillod, M. (2015, June) Is the out-group not enough interesting or too much threatening? Talk presented at the 6<sup>e</sup> rencontres du Pôle Grenoble Cognition, Grenoble, France.

Beffara, B., **Bret, A.**, Chausse, P., Guinet, E., Vermeulen, N., Mermillod, M. (2015, April) Increased heart rate variability after short term biofeedback: visual feedback without paced breathing is sufficient to regulate. Poster n°6, Session B, presented at the 2015 Annual Conference of the Society for Affective Science, San Francisco Bay Area, Oakland, California, USA.

Mermillod, M., Beffara, B., Bret, A., Lepage, J., Morisseau, T., & Vermeulen, N. (2014). Is the Devil (or Angel) Located in Frontal Cortical Areas? The 12th International Conference on Cognitive Neuroscience. Brisbane. Australia. July 2014.

Beffara, B., Vermeulen, N., Bret, A., & Mermillod, M. (2014). From Fast Visual Perception to Frontal Emotional Inhibition. Consortium of European Research on Emotion (CERE 2014). Berlin. Germany. March 2014.

## SCIENTIFIC CONFERENCES

Beffara, B., Ouellet, M., Vermeulen, N., **Bret, A.**, Morisseau, T., & Mermillod, M. (2013). Toward New Physiological Evidence of Social Top-down Response Modulation. International Symposium on Vision, action and concepts: Behavioural and neural basis of embodied perception and cognition. Lille. France. October 2013.

Beffara, B., Wicker, B., Vermeulen, N., Ouellet, M., **Bret, A.**, Funes Molina, M.J., & Mermillod, M. (2013). Does Low Spatial Frequency Information Really Have a Preferential Role in Emotional Frontal Inhibition? 18th Conference of the European Society for Cognitive Psychology. Budapest. Hungary. September 2013.

Beffara, B., Vilain, C., Wicker, B., Vermeulen, N., Ouellet, M., **Bret, A.**, Funes Molina, M.J., & Mermillod, M. (2013). L'importance des basses fréquences spatiales dans le processus d'inhibition émotionnelle. 4<sup>e</sup> rencontres du Pôle Grenoble Cognition. Grenoble. France. June 2013.

## PROJECT ACCEPTED BY ETHICS COMMITTEES

Attitudes changing in evaluative conditioning : an Electroencephalographic investigation of conservatism  
(French ethical committee, 2018)

Attitudes changing in evaluative conditioning : the role of conservatism  
(Belgian ethical committee, 2015)

## SCIENCE POPULARIZATION & OPINION

**Bret A.**, (in the pipeline) Paper in Cog'innov (in French) Conservatisme et consommation de produits animaux.

**Bret A.**, (avril 2018) Are scientists using science ?

**Bret A.**, (mars 2018) Ciné - débat à la Paillasse. "Conservatisme sociale et changement d'attitudes"

**Bret, A.**, (déc 2017) Paper published in Psy post "White conservatives show racial bias in face detection"

**Bret, A.**, Beffara, B., & Mermillod, M. (2015, May) Pint of Science. Political Orientation and Social Intelligence

**Bret, A.**, Beffara, B., (2014 & 2015) What is experimental psychology ? (Presentation in high school)

## AD HOC REVIEWING

Scientific Reports. <https://www.nature.com/srep/>

International Review of Social Psychology. <https://www.rips-irsp.com/>

Journal of Vision. <http://jov.arvojournals.org/>

## TEACHING

128 hours

1st year Psychology (Grenoble Alpes University): Cognitive Psychology.

1st year Psychology (Grenoble Alpes University): Methodology

12 hours

Workshop for PhD Student "How to use psychology for teaching »

## SUPERVISING

2017-2018

Tania Augière (Research Internship 1st year MSc Cognitive and Social Psychology, Grenoble Alpes University)  
Attitudes changing in evaluative conditioning : an Electroencephalographic investigation. Co-advised with Pr. Martial Mermillod

2016-2017

Majide Burlet-Parendel (Research Internship 1st year MSc Cognitive and Social Psychology, Grenoble Alpes University)  
Attitudes changing in evaluative conditioning : the role of RWA in implicit measures. Co-advised with Pr. Martial Mermillod

2015-2016

Laura Robert (Research Internship 1st year MSc Cognitive and Social Psychology, Grenoble Alpes University).  
Attitudes changing in evaluative conditioning : physiological measure (HRV). Co-advised with Pr. Martial Mermillod and Brice Beffara, PhD Student

2014-2015

Dorine Chatel (Research Internship 1<sup>st</sup> year MSc Cognitive and Social Psychology, Grenoble Alpes University) Investigation of induction techniques in order to reduce implicit dehumanization. Co-advised with Pr. Martial Mermillod and Brice Beffara, PhD Student

## SCIENTIFIC TOLLS

Programming Experiment

Testable, Eprime, Open Sesame

Data Analysis

R, Rstudio, SPSS, Statistica

Redaction

Latex (Overleaf), Libre Office

Surveys

Qualtrics

Bibliography

Zotero, Mendeley

Crowdsourcing

Prolific Academic

Open Science

Open Science Framework, PsyArXiv, PreReview

## MORE

Administrative

Representative in the University of teaching for PhD Student

Representative in the Laboratory for PhD Student

Scientific Society membership

European Association of Social Psychology (2015 - 2017)  
[www.easp.eu](http://www.easp.eu)

Association for Psychological Science (2016-2017)  
[www.psychologicalscience.org](http://www.psychologicalscience.org)

International Society for Research on Emotions (2015-2017) [www.isre.org](http://www.isre.org)

Society for Affective Science (2015-2016) [www.society-for-affective-science.org](http://www.society-for-affective-science.org)

Active Member

Co-founder of the Slowpen Science Laboratory <http://slowpen.science/>  
Center for Open Science Ambassador <https://cos.io/>

Fellowship, Grants and Award

Univ. Grenoble Alpes: 3-year scholarship for a joint PhD (2015-2018)

CNRS "Attentats Research". in collaboration with Martial Mermillod and Brice Beffara

3rd price Best Poster Award, EDISCE, Doctoral School

Intra-Lab

Organiser LPNC PhD Day (October, 2017)  
Organiser workshop Open science (June, 2017)