

Dr. Charlotte Eben

MARIE SKŁODOWSKA CURIE FELLOW

University of Cologne, Biological Psychology & University of British Columbia, Centre for Gambling Research

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Positions

Marie Skłodowska Curie Postdoctoral Fellow

UNIVERSITY OF COLOGNE AND UNIVERSITY OF BRITISH COLUMBIA

PI: Dr. Jan Peters and Dr. Luke Clark

Cologne, Germany and

Vancouver, Canada

October 2024 - present

Postdoctoral researcher

UNIVERSITY OF BRITISH COLUMBIA

PI: Dr. Luke Clark

Vancouver, Canada

November 2023 - September

2024

Postdoctoral researcher

GHENT UNIVERSITY

PI: Dr. Frederick Verbruggen

Ghent, Belgium

July 2022 - September 2023

Education

Ghent University

PHD EXPERIMENTAL PSYCHOLOGY

- Thesis title: "Impulsivity and restraint - Investigation of behavioral responses to negative outcomes"
- Advisor: Dr. Frederick Verbruggen, Co-Advisor: Dr. Joël Billieux

Ghent, Belgium

Oct 2018 - June 2022

RWTH Aachen University

MASTER OF SCIENCE PSYCHOLOGY

Aachen, Germany

2016 - 2018

RWTH Aachen University

BACHELOR OF SCIENCE PSYCHOLOGY

Aachen, Germany

2013 - 2016

Publications

Raw data, experimental code, analysis scripts and pre-registrations of my research can be found on Open Science Framework (<https://osf.io/gbj4t/>).

Eben, C. (2025). The illusion of control in problematic gambling behaviour. *Nature Reviews Psychology*.

Eben, C., Chen, Z., London, R.E., & Verbruggen, F. (2024). Escalating frustration - A replication attempt and extension of Yu et al. (2014) *Open Research Europe*.

Eben, C., Moors, A., Billieux, J., & Verbruggen, F. (2024). No role for outcomes in definitions of impulsive actions. *Current Addiction Reports*.

Chen, Z., **Eben, C.,** & Verbruggen, F. (2024). Differential effects of prior outcomes and pauses on the speed and quality of risky choices. *Journal of Behavioral Decision Making*.

Eben C., Bõthe, B., Brevers, D., Clark, L., Grubbs, J. B., Heirene, R., ... Billieux, J. (2023). The landscape of open science in behavioral addiction research: Current practices and future directions. *Journal of Behavioral Addictions* (published online ahead of print 2023)

Chen, Z., **Eben, C.,** Reimer, C., & Verbruggen, F. (2023). Am I winning or losing? Probing the appraisal of partial wins via response vigor. *Journal of Gambling Studies*.

- Billieux, J., Bloch, J., Rochat, L., Fournier, L., Georgieva, I., **Eben, C.**, Malmendorf Andersen M., King, D. L., Simon, O., Khazaal, Y., & Lieberoth, A. (Stage 1 IPA 2023). Can playing Dungeons and Dragons be good for you? A registered exploratory pilot program using offline Tabletop Role - Playing Games (TTRPGs) to mitigate social anxiety and reduce problematic involvement in multiplayer online videogames. *PCI Registered Reports*.
- Eben, C.**, Vermeylen, L., Chen, Z., Notebaert, W., Ivanchei, I., & Verbruggen, F. (2023). When response selection becomes gambling: post-error slowing and speeding in self-paced colour discrimination tasks. *Collabra: Psychology*.
- Eben, C.**, Fournier, L., Verbruggen, F., & Billieux, J. (2023). Modeling urgency in the lab: Exploring the associations between self-reported urgency and behavioral responses to negative outcomes in laboratory gambling. *Acta Psychologica*.
- Eben, C.**, Chen, Z., Billieux, J., & Verbruggen, F. (2022). Outcome sequences and illusion of control - Part I: An online replication of Langer & Roth (1975). *International Gambling Studies*.
- Eben, C.**, Chen, Z., Billieux, J., & Verbruggen, F. (2022). Outcome sequences and illusion of control – Part II: The effect on post-loss speeding. *International Gambling Studies*.
- Eben, C.**, Chen, Z., Cracco, E., Brass, M., Billieux, J., & Verbruggen, F. (2020). Are post-error adjustments influenced by beliefs in free will? A failure to replicate Rigoni, Wilquin, Brass and Burle, 2013. *Royal Society Open Science*, 7(11), 200664.
- Eben, C.**, Chen, Z., Vermeylen, L., Billieux, J., & Verbruggen, F. (2020). A direct and conceptual replication of post-loss speeding when gambling. *Royal Society Open Science*, 7(5), 200090.
- Eben, C.**, Koch, I., Jolicoeur, P., & Nolden, S. (2020). The persisting influence of unattended auditory information: Negative priming in intentional auditory attention switching. *Attention, Perception, & Psychophysics*, 1-12.
- Eben, C.**, Billieux, J., & Verbruggen, F. (2020). Clarifying the role of negative emotions in the origin and control of impulsive actions. *Psychologica Belgica*, 60(1), 1-17.
- Reimer, C. B., Chen, Z., Bundt, C., **Eben, C.**, London, R. E., & Vardanian, S. (2019). Open Up—the Mission Statement of the Control of Impulsive Action (Ctrl-ImpAct) Lab on Open Science. *Psychologica Belgica*, 59(1), 321-337.
- Declerck, M., **Eben, C.**, & Grainger, J. (2019). A different perspective on domain-general language control using the flanker task. *Acta Psychologica*, 198.
- Eben, C.**, & Declerck, M. (2019). Conflict monitoring in bilingual language comprehension? Evidence from a bilingual flanker task. *Language, Cognition and Neuroscience*, 34(3), 320-325.

Preprints, unpublished work and repositories

- Xiao, L., Ballou, N., & **Eben, C.** (2025). Modifying core items created a construct wrongly identified as measuring problem gambling: Commentary: Prediction of problem gambling by demographics, gaming behavior and psychological correlates among gacha gamers: A cross-sectional online survey in Chinese young adults. https://doi.org/10.31234/osf.io/gfejv_v1
- Xiao, L., Ballou, N., & **Eben, C.** (2024). Gambling with peer review: Fundamental flaws in the design and reporting of Chew and Neo (2024). <https://doi.org/10.31219/osf.io/yud2x>.
- Eben, C.**, Chen, Z., Clark, L., & Verbruggen, F. (2023). Slowing and speeding in a gambling-like task: A role for task pace and task engagement? <https://osf.io/6ra5t>
- Eben, C.**, Fournier, L., Verbruggen, F., & Billieux, J. (2022). Exploring individual differences in post-loss speeding in a sample with gambling engagement. <https://osf.io/a4rz8>

Grants and Awards

2025-2026	2024/25 BA/Leverhulme Small Research Grants - Co-PI , The British Academy	£9798
2025	Best Paper of the Year in the Journal of Behavioral Addictions Award 2023 , International Society for the Study of Behavioral Addictions	
2024-2027	Marie Skłodowska-Curie Actions Postdoctoral Fellowship , Horizon Europe	€280,751.52
2022	Grant for participation in a conference abroad , FWO Flemish Research Foundation	
2021	Travel grant for long stays abroad , FWO Flemish Research Foundation	€3,666

Presentations on Conferences

- Eben, C.,** Billieux, J., B  the, B., Brevers, D., Chen, Z., Grubbs, J. B., ... & Clark, L. (2024). *Open science in behavioral addictions – survey results*. E-short communication: European Conference on Addictive Behaviors and Dependencies (Lisbon Addictions 2024), Lisbon, Portugal
- Eben, C.,** Palmer, L., Peters, J., & Clark, L. (2024). *Investigating interoception and emotional attribution of arousal in Gambling*. Poster presentation: Current Advances in Gambling Research 2024, Amsterdam, Netherlands
- Eben, C.,** Chen, Z., London, R.E., & Verbruggen, F. (2023). *Escalating frustration - a replication and extension of Yu and colleagues (2014)*. Poster presentation: Current Advances in Gambling Research 2023, London, United Kingdom
- Eben, C.,** Chen, Z., Billieux, J., & Verbruggen, F. (2022). *The influence of control beliefs on post-loss speeding when gambling*. Oral presentation: 7th International Conference on Behavioral Addictions 2022, Nottingham, United Kingdom
- Eben, C.,** Fournier, L., Verbruggen, F., & Billieux, J. (2022). *Exploring individual differences in behavioral responses to sub-optimal outcomes*. Poster presentation: 75th Annual Meeting of the Belgian Association of Psychological Sciences - 2022, Leuven, Belgium
- Eben, C.,** Chen, Z., Billieux, J., & Verbruggen, F. (2021). *The influence of control beliefs on post-loss speeding when gambling*. Oral presentation: Annual Meeting of the Belgian Association of Psychological Sciences - 2021, online organized by Institute of Psychology, Universit   catholique de Louvain, Belgium
- Eben, C.,** Chen, Z., Billieux, J., & Verbruggen, F. (2021). *The influence of control beliefs on post-loss speeding when gambling*. Poster presentation: EPS workshop: Decision making in voluntary actions - 2021, online organized by Institute of Cognitive Neuroscience, University College London, United Kingdom
- Eben, C.,** Chen, Z., Cracco, E., Brass, M., Billieux, J., & Verbruggen, F. (2020). *A replication attempt of Rigoni et al. 2013 – an open science example*. Oral presentation: 15  me Journ  e Scientifique Jeunes Chercheurs – 2020, online organized by Universit   de Lille, France
- Eben, C.,** Chen, Z., Vermeylen, L., Billieux, J., & Verbruggen, F. (2019). *A direct and conceptual replication of post-loss speeding when gambling*. Poster presentation: NVP Winter Conference, Egmond aan Zee, Netherlands.

Workshops and invited talks

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| September 2024 | Experimental approaches to outcome monitoring and emotional experience in gambling , GREAT research showcase Swansea University |
| May 2023 | Open and reproducible science: Zoom-in on pre-registration , Belgian Association for Psychological Sciences - Junior Day |
| May 2023 | DIY: Open and reproducible Science , Psycholinguistics in Flanders |
| May 2023 | Impulsivity and restraint - Investigation of behavioral responses after negative outcomes , Women+ in Control: Virtual Talk Session |
| March 2023 | Open and reproducible science II , Conf  rence Universitaire de Suisse Occidentale |
| May 2022 | My experience with Open Science. , 'DataCaf   - Open Science ... Are you Experienced?', Ghent University |

International Mobility

University of British Columbia

PI: DR. LUKE CLARK

- Short research stay abroad

Vancouver, Canada

November 2022

University of Lausanne, CARLA lab

ADVISOR: DR. JO  L BILLIEUX

- Research stay abroad during the PhD studies

Lausanne, Switzerland

Aug - Nov 2021

Engagement

September 2024 - present, **Postdoc representative in the Psych Graduate Student Council at the University of British Columbia**

March 2025 - present, **Vice President well-being of the Postdoc Association at the University of British Columbia**

January 2024 - present, **Member of the well-being initiative of the Postdoc Association at the University of British Columbia**

September 2021 - September 2023, **Member of the Belgian Association for Psychological Sciences (BAPS) Junior Board**

Adhoc reviewing

Emotion

Royal Society Open Science

Cognitive, Affective, & Behavioral Neuroscience

International Gambling Studies

PLoS one

scientific reports

Journal of Behavioral Addictions

Pharmacology, Biochemistry and Behavior

Open Research Europe

Journal of Experimental Psychology: Human Perception and Performance