



NADINE BARAKAT

PROFILE

Nationality: British
Date of birth: 01/07

SKILLS

Critical & Analytical thinking
Effective Communication
Adaptability
Organization & Time Management
Rigorous Research Methods
Mentoring

INTERESTS

Clinical Neuroscience
Physiology
Holistic education
Mental Health

LANGUAGES

English	Mother tongue
French	Fluent
Arabic	Fluent
German	Fair
Russian	Basic

COMPUTER SKILLS

MS Office
R programming language
Brainstorm
Zotero

EDUCATION

PhD in Clinical Neuroscience & Physiology Le Vinatier Hospital Center (Lyon, France) Université Claude Bernard Lyon 1 (Lyon, France)	2022-2025
Master 2 Neuropsychology & Clinical Neurosciences Université Paul Sabatier Toulouse III (Toulouse, France)	2021-2022
Master 1 Integrative Biology & Physiology Université Claude Bernard Lyon 1 (Lyon, France)	2020-2021
B.Sc Human & Animal Physiology Université Claude Bernard Lyon 1 (Lyon, France)	2016-2019

INTERNATIONAL COLLABORATIONS

- Université de Montréal
- ZEISS Vision Science Lab, Institute for Ophthalmic Research, Tübingen University, Tübingen, Germany.
- UCLIC, University College London, London, United Kingdom.
- School of Psychology, University College Dublin, Dublin, Ireland.
- Lise-Meitner Research Group Cognition and Plasticity, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany.
- Department of Psychology of Conflict, Risk and Safety, University of Twente, Enschede, Netherlands.

NATIONAL COLLABORATIONS

Edouard Herriot Hospital (Lyon, France)	2022- Present
Le Vinatier Hospital Center (Lyon, France)	2022- Present
Internship at Institut NeuroMyoGène (Lyon, France)	2022

CAREER HIGHLIGHTS

Teaching & mentoring experience (B.Sc & M.Sc levels).

TMS Application in Psychiatry & Neuroscience:

Development of novel dual-site transcranial magnetic stimulation (TMS) protocols aimed at reducing impulsivity in patients with Borderline Personality Disorder (BPD).

Preliminary testing of cortico-cortical paired associative stimulation to evaluate its impact on inhibitory control in BPD, using established behavioral and neuropsychological tasks.

Design of TMS protocols tailored to clinical populations with unique cognitive and behavioral needs, ensuring methodological rigor and patient safety.

Interdisciplinary Collaboration to assess the feasibility and scalability of advanced TMS applications in psychiatric care settings.

Protocol Optimization using Neuronavigation strategies.

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PUBLICATIONS

Barakat, N., Brunelin, J., Cailhol, L., Saint-Amant, A., Paoletti, L. M., Poulet, E., Neige, C., & Vallet, W. (2025). Inhibitory control deficits in borderline personality disorder: a meta-analysis of stop-signal and Go/No-Go tasks. *Psychological medicine*, 55, e319. <https://doi.org/10.1017/S0033291725102195>

Barakat, N., Dechant, M., Poulet, E., Cailhol, L., Brunelin, J., Friebs, M. A., & Neige, C. (2025). Response Inhibition in borderline personality disorder assessed with a gamified stop signal task. *Scientific reports*, 15(1), 45529. <https://doi.org/10.1038/s41598-025-30255-3>

Barakat, N., Brunelin, J., Abrial, E., Neige, C., Chalancon, B., Scholl, J., Fourier, A., Brossaud, J., Hermand, M., Besch, V., Simon, L., Magnin, C., Leaune, E., & Poulet, E. (2025). Suicide reattempts in adolescents and young adults after a first suicide attempt. Results from the SURAYA prospective cohort study. *L'Encephale*, 51(6), 615–622. <https://doi.org/10.1016/j.encep.2024.12.004>

Abrial, E., Chalancon, B., Leaune, E., Brunelin, J., Wallon, M., Moll, F., **Barakat, N.**, Hoestlandt, B., Fourier, A., Simon, L., Magnin, C., Hermand, M., & Poulet, E. (2022). Investigating Predictive Factors of Suicidal Re-attempts in Adolescents and Young Adults After a First Suicide Attempt, a Prospective Cohort Study. Study Protocol of the SURAYA Project. *Frontiers in psychiatry*, 13, 916640. <https://doi.org/10.3389/fpsy.2022.916640>

Barakat, N., et al. (under review). Cortico-cortical paired associative stimulation of inhibitory control networks in borderline personality disorder. *Translational Psychiatry*

CONFERENCE PRESENTATIONS

Barakat, N., et al. (2024, March). Reducing impulsivity in Borderline Personality Disorder patients using dual-site transcranial magnetic stimulation. *Semaine du Cerveau Annual Meeting*, Lyon, France.

Barakat, N., et al. (2024, June). Evaluating the effectiveness of transcranial magnetic stimulation (TMS) in borderline personality disorder: Insights from an ongoing study. *French Association of Biological Psychiatry and Neuropsychopharmacology (AFPBN)*, Paris, France.

Barakat, N., et al. (2024, June). Evaluating impulsivity in borderline personality disorder. *Ma Thèse en 180 Secondes Webinar*, Montreal University.

Barakat, N., et al. (2024, August). SURAYA: SUicide reattempts in adolescents & young adults—Sociodemographic, biological, & clinical correlates. *European Symposium on Suicide and Suicidal Behaviour*, Rome, Italy.

Barakat, N., et al. (2023, May). Investigating predictive factors of suicidal re-attempts in adolescents and young adults after a first suicide attempt [Poster presentation]. *French Neuroscience Society Annual Meeting*, Lyon, France.

Barakat, N., et al. (2024, January). SURAYA: A prospective cohort study investigating the risk of SUicide re-attempt in adolescents & young adults after a first suicide attempt [Poster presentation]. *L'Encéphale*, Lyon, France.