

Marie Amalric, PhD

marie.amalric@normalesup.org

<http://www.normalesup.org/~mamalric/index.html>

Google Scholar's data: Citations: 869; h index: 10

RESEARCH EXPERIENCE

- 2022 - ...** **Postdoctoral Fellow in Cognitive Neuroscience**, Center for Mind/Brain Sciences (CIMEC), Università degli studi di Trento, Italy.
Faculty Advisor: Manuela Piazza
Project: fMRI study of the neural processing of logic concepts.
Funding: ERC - H2020 Marie Curie Global Fellowship n°839611 “NeuroMath”
- 2020 - 2022** **Postdoctoral Fellow in Cognitive Neuroscience**, Department of Psychology, Laboratory for Developmental Studies, Harvard University, Cambridge, MA.
Faculty Advisor: Elizabeth Spelke
Project: cognitive and neural study of children's understanding of the commutative principle.
Funding: ERC - H2020 Marie Curie Global Fellowship n°839611 “NeuroMath”.
- 2017 - 2020** **Postdoctoral Fellow in Cognitive Neuroscience**, CAOs Lab, Department of Brain and Cognitive Sciences, University of Rochester, NY, (2017-2018); Department of Psychology, Carnegie Mellon University, Pittsburgh, PA (2018-2020)
Faculty Advisor: Jessica Cantlon
Project: fMRI study of controlled and naturalistic mathematics learning paradigms.
Funding: Fyssen Foundation Fellowship.
- 2016 - 2017** **Research and Teaching Fellow**, Collège de France, Paris.
Faculty Advisor: Stanislas Dehaene

EDUCATION

- 2013 - 2017** **Ph.D. in Cognitive Neuroscience**, Sorbonne Université – Pierre et Marie Curie (UPMC) – Paris 6.
Thesis: “Study of the brain mechanisms involved in the learning and processing of high-level mathematical concepts.”
Faculty advisor: Stanislas Dehaene.
- 2010 - 2013** **M.S. in Engineering Mathematics**, Institut Polytechnique de Paris – ENSTA Paris.
- 2009 - 2013** **École Normale Supérieure** – PSL (ENS Paris, Ulm), Department of Cognitive Studies:
2012 **M.A. in Cognitive Science** (Cogmaster), École Normale Supérieure – PSL (ENS Paris, Ulm).
2010 **B.A. in Mathematics**, Sorbonne Université – Pierre et Marie Curie (UPMC) – Paris 6.

TEACHING & ADVISING EXPERIENCE

Teaching:

- 2018 -** **Lecturer**, Master EdTech (Technologies of innovation for E-education), Sorbonne Université – Pierre et Marie Curie (UPMC) – Paris 6.
Responsibilities include developing class materials, teaching, helping students with their individual projects, developing and grading assignments.
Introduction to Educational Neuroscience. ~ 35 students
- 2016, 2019** **Guest Lecturer**, Institut Villebon Georges Charpak (2016); Sorbonne Université – Pierre et Marie Curie (UPMC) – Paris 6, University degree “Learning to learn” (2019).
Introduction to Math Cognition

2010 - 2013 **Science Teacher**, TALENS (tutoring program of École Normale Supérieure, Paris).
Weekly math and physics lectures, and organization of cultural trips for high-school students from underprivileged communities.

Advising:

2020-2022 4 Undergraduate research assistants, Harvard University, Cambridge, MA.
1 Undergraduate research assistant, Brigham Young University, Provo, UT.
1 Undergraduate thesis student, Emmanuel College, Boston, MA.

2017-2020 1 Master student, Université Paris Descartes, France.
2 Master students (Cogmaster), École Normale Supérieure - Paris Ulm, France.

FELLOWSHIPS & AWARDS

Fellowships:

2019 **Postdoctoral fellowship**, European Research Council, H2020 Marie Skłodowska Curie Actions, 246 844€, including 26 400€ for research activities.
2017 **Postdoctoral fellowship**, Fyssen foundation, 50 000 €
2013 **Doctoral fellowship**, “DIM-Cerveau et pensée” (Région Ile-de-France).

Academic recognition:

2018 **Prize of Ph.D. thesis**, Chancellerie des Universités de Paris, 10 000€
2013 **Best final internship award**, ENSTA Paris Alumni, 2 000€

Travel awards:

2018 **Latin American School fellow**, 7th School for Education, Cognitive and Neural Sciences, Chile.
2016 **Travel award**, Canadian Institute of Cognitive Sciences (ISC), Summer School on Reasoning at UQAM, Montreal.

ACADEMIC & PROFESSIONAL SERVICE

Committee Experience:

2021-... Member of CSEN (Conseil Scientifique de l'Éducation Nationale) - GT3.
2016-2017 Elected representative of doctoral students at the Research Commission of Sorbonne Université – Pierre et Marie Curie – Paris 6.

Ad hoc manuscript reviewer:

Current Biology, Current Directions in Psychological Science, Cognitive Science, Proceedings of the National Academy of Science, Scientific Reports, Cortex, Science, NeuroImage, Cognition, Trends in Neuroscience and Education, Journal of Cognitive Neuroscience.