

Maëla Paul

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Education & Research experiences

- 2018 – Present** **Ph.D. student in Neurosciences** - Sorbonne University, Paris, France
Fekrije Selimi's Lab, Collège de France, Paris, France
A molecular combination at the basis of synapse identity? Study of the climbing fiber/Purkinje cell synapse during cerebellum development.
- 2017 – 2018** **Master's Degree in Cellular Neurosciences** – ENS Ulm & Sorbonne University, Paris, France
- **Fekrije Selimi's Lab**, Collège de France, Paris, France
A molecular combination at the basis of synapse identity? Study of the climbing fiber/Purkinje cell synapse during cerebellum development (5 months).
- **Franck Polleux's Lab**, Columbia University, New York, USA
Study of the mitochondria-endoplasmic reticulum contact in developing cortical neurons (5 months).
- 2013 – 2016** **Bachelor Degree of Science in Biology** – Ecole Normale Supérieure (ENS Ulm), Paris, France
Sonia Garel's Lab, ENS Ulm, Paris, France
Effect of prenatal inflammation on microglia colonization during brain development (2 months).

Publication

- 2017** Hirabayashi Y, Kwon S, Paek H, Pernice M. W, **Paul M. A.**, Lee J, Raczkowski A, Petrey D. S, Pon L. A and Polleux F. ER-mitochondria tethering by PDZD8 regulates Ca²⁺ dynamics in mammalian neurons. **Science** 358:623-630.
- 2022** Veleanu M, Urrieta-Chavez B, Sigoillot S.M, **Paul M. A.**, Usardi A, Iyer K, Delagrangé M, Doyle J.P, Heintz N, Bécamel C and Selimi F. Transient molecular changes and lasting synaptic effects in the cerebellum of the neonatal phencyclidine mouse model of schizophrenia. **Pnas**, 2122544119.

Communications & Meetings

- 2021 January** **Cerebellum Day**, Montpellier, France
Oral presentation: Unraveling the molecular presynaptic determinants of climbing fiber synapse identity
- 2020 November** **Collège de France Seminar**, Paris, France
Oral presentation: One target, two inputs, what are the molecular synaptic codes?
- 2020 January** **Cerebellum Day**, Strasbourg
Poster presentation: One target, two inputs, what are the molecular synaptic codes?

Teaching Experiences & Science outreach

- 2021 – Present** **Head of scientific mediation and treasurer** - ChADoC association
Chercheurs Associés et Doctorants du Collège de France
- 2019 – 2020** **Apprentis chercheurs, Arbre des connaissances**
Hosting junior and high school students in research laboratories (24 hours/year).
- 2019 October** **Science Day: Neuroscience workshop**
Presentation of brain function in the initiation of a movement to the general public.
- 2017 – 2018** **TaIENS**: Mentoring of high school students for equal access and success in higher education (20 hours/year).

Fellowships

- 2015 – 2017** Ecole Normale Supérieure scholarship
- 2018 – 2022** Ministry of higher education and research fellowship
- 2022 – 2023** ATER funding – Collège de France