

Loïc Labache, Ph.D.

Postdoctoral Fellow in Psychiatry

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Employment

- 2023–Current **Postdoctoral Associate**, *Department of Psychiatry, Rutgers University – Piscataway, NJ, US*. PI: Avram J. Holmes
- 2023–2025 **Research Collaborators**, *Department of Psychology, Yale University – New Haven, CT, US*. PI: Gregory McCarthy
- 2021–2023 **Postdoctoral Associate**, *Department of Psychology, Yale University – New Haven, CT, US*. PI: Avram J. Holmes
- 2017–2020 **Ph.D. Student**, *French Alternative Energies and Atomic Energy Commission (CEA), Neurofunctional Imaging Group – UMR 5293 – Bordeaux, FR*. PI: Nathalie Tzourio-Mazoyer
- 2016 **Research Assistant**, *French National Centre for Scientific Research (CNRS), Neurofunctional Imaging Group – UMR 5293 – Bordeaux, FR*. PI: Nathalie Tzourio-Mazoyer

Education

- 2017–2020 **Ph.D.** (Neuroimaging), *Doctoral School of Mathematics and Computer Science – Université de Bordeaux, Bordeaux, FR*
Dissertation: Elaboration of Brain Network Atlases Underpinning Lateralized Cognitive Functions
PI: Nathalie Tzourio-Mazoyer, Marc Joliot, & Jérôme Saracco
- 2014–2017 **M.S.** (Engineering Degree), *Institut Polytechnique de Bordeaux, Talence, FR*
Computer Science, Cognitive Neurosciences, Applied Mathematics. *Summa cum laude*
- 2011–2014 **B.S.**, *Université de Bordeaux, Bordeaux, FR*
Cognitive Neurosciences, Computer Science, Applied Mathematics. *Summa cum laude*

Honors & Awards

- 2024 **Aperture Neuro 2023 Best Paper Award**, *Organization for Human Brain Mapping – Seoul, KR*.
- 2023 **Runner-Up Trainee Prize**, *The Neuro - Irv and Helga Cooper Foundation Open Science Prizes – Montréal, CA*.
- 2023 **Merit Award Abstract Winner**, *Organization for Human Brain Mapping – Montréal, CA*.
- 2022 **Merit Award Abstract Winner**, *Organization for Human Brain Mapping – Glasgow, Scotland, GB*.
- 2017–2020 **CEA Graduate Research Fellowship**, *French Alternative Energies and Atomic Energy Commission – Paris, FR*.

Research Support Grants

- Obtained **Postdoctoral Health AI Research Fellows**, *Rutgers University, Rutgers Health Center for Biomedical Informatics & Health Artificial Intelligence – New Brunswick, NJ, US*, \$100,000, 2025–2026

Research Training Contract, French Alternative Energies and Atomic Energy Commission – Paris, FR, €110,000, 2017–2020

Under Revision **National Institute of Mental Health, NIH K99/R00 – Pathway to Independence Award**, \$971,434.

Publications

Source codes and atlases are available on GitHub: github.com/loiclabache 

Peer-reviewed

14. **Labache, L.***, Roger, E.*, Hamlin, N., Kruse, J., Baciú, M., & Doucet, G. E. (2025). When age tips the balance: a dual mechanism affecting hemispheric specialization for language. *Imaging Neuroscience*. DOI: [10.1162/IMAG.a.63](https://doi.org/10.1162/IMAG.a.63) [link to code repository] *authors contributed equally to this work
13. Chopra, S., Cocuzza, C. V., Lawhead, C., Ricard, J. A., **Labache, L.**, Patrick, L. M., Kumar, P., Rubenstein, A., Moses, J., Chen, L., Blankenbaker, C., Gillis, B., Germine, L. T., Harpaz-Rote, I., Yeo, B.T. T., Baker, J. T., Holmes, A. J. (2025). The Transdiagnostic Connectome Project: a richly phenotyped open dataset for advancing the study of brain-behavior relationships in psychiatry. *Scientific Data*. DOI: [10.1038/s41597-025-04895-z](https://doi.org/10.1038/s41597-025-04895-z) [link to code repository]
12. Lawhead, C., Silver, J., Olino, T., **Labache, L.**, Juhng, S., Schwartz, H., Klein, D. (2025). Longitudinal clustering of psychopathology across childhood and adolescence: an approach toward developmentally-based classification. *Clinical Psychological Science*. DOI: [10.1177/21677026251357589](https://doi.org/10.1177/21677026251357589)
11. Ricard, J.A., **Labache, L.**, Segal, A., Dhamala, E., Cocuzza, C. v., Jones, G., Yip, S., Chopra, S., & Holmes, A. J. (2024). A shared spatial topography links the functional connectome correlates of cocaine use disorder and dopamine D_{2/3} receptor densities. **Communications Biology**, 7, 1178. DOI: [10.1038/s42003-024-06836-9](https://doi.org/10.1038/s42003-024-06836-9) [link to code repository]
10. Dong, H.M., Zhang, X.H., **Labache, L.**, Zhang, S., Ooi, L. Q. R., Yeo, B.T. T., Margulies, D. S., Holmes, A. J., & Zuo, X.N. (2024). Ventral attention network connectivity is linked to cortical maturation and cognitive ability in childhood. **Nature Neuroscience**. DOI: [10.1038/s41593-024-01736-x](https://doi.org/10.1038/s41593-024-01736-x) [link to code repository]
9. **Labache, L.**, Petit, L., Joliot, M., & Zago, L. (2024). Atlas for the lateralized visuospatial attention networks (ALANs): insights from fMRI and network analyses. **Imaging Neuroscience**, 2(1–22). DOI: [10.1162/imag_a_00208](https://doi.org/10.1162/imag_a_00208) [link to atlas repository]
8. **Labache, L.**, Ge, T., Yeo, B.T. T., & Holmes, A. J. (2023). Language network lateralization is reflected throughout the macroscale functional organization of cortex. **Nature Communications**, 14, 3405. DOI: [10.1038/s41467-023-39131-y](https://doi.org/10.1038/s41467-023-39131-y) [link to code repository]
7. Chopra, S., **Labache, L.**, Dhamala, E., Orchard, E. R., & Holmes, A. J. (2023). A Practical Guide for Generating Reproducible and Programmatic Neuroimaging Visualizations. **Aperture Neuro**. DOI: [10.52294/001c.85104](https://doi.org/10.52294/001c.85104) [link to the web-app] [link to code repository]
6. Forkel, S., **Labache, L.**, Parashkev, N., Thiebaut de Schotten, M., & Hesling, I. (2022). Stroke disconnectome decodes reading networks. **Brain structure & function**, 227(9), 2897–2908. DOI: [10.1007/s00429-022-02575-x](https://doi.org/10.1007/s00429-022-02575-x)
5. Doucet, G. E., **Labache, L.**, Thompson, P. M., Joliot, M., Frangou, S., & Alzheimer's Disease Neuroimaging Initiative. (2021). Atlas55+: Brain Functional Atlas of Resting-State Networks for Late Adulthood. **Cerebral cortex**, 31(3), 1719–1731. DOI: [10.1093/cercor/bhaa321](https://doi.org/10.1093/cercor/bhaa321)

4. Tzourio-Mazoyer, N., **Labache, L.**, Zago, L., Hesling, I., & Mazoyer, B. (2021). Neural support of manual preference revealed by BOLD variations during right and left finger-tapping in a sample of 287 healthy adults balanced for handedness. **Laterality**, 26(4), 398-420. DOI: [10.1080/1357650X.2020.1862142](https://doi.org/10.1080/1357650X.2020.1862142) [link to atlas repository]
3. **Labache, L.**, Mazoyer, B., Joliot, M., Crivello F., Hesling, H., & Tzourio-Mazoyer, N. (2020). Typical and atypical language brain organization based on intrinsic connectivity and multitask functional asymmetries. **eLife**, 9, e58722. DOI: [10.7554/eLife.58722](https://doi.org/10.7554/eLife.58722)
2. Hesling, I., **Labache, L.**, Joliot, M., & Tzourio-Mazoyer, N. (2019). Large-Scale plurimodal networks common to listening, production and reading word-lists: an fMRI study combining tasks-induced activation and intrinsic connectivity in 144 right-handers. **Brain structure & function** 224(9), 3075-3094. DOI: [10.1007/s00429-019-01951-4](https://doi.org/10.1007/s00429-019-01951-4) [link to atlas repository]
1. **Labache, L.**, Joliot, M., Saracco J., Jobard G., Hesling I., Zago L., Mellet E., Petit L., Crivello F., Mazoyer B., & Tzourio-Mazoyer N. (2019). A SENTence Supramodal Areas AtlaS (SENSAAS) based on multiple task-induced activation mapping and graph analysis of intrinsic connectivity in 144 healthy right-handers. **Brain structure & function**, 224(2), 859-882. DOI: [10.1007/s00429-018-1810-2](https://doi.org/10.1007/s00429-018-1810-2) [link to atlas repository]

Under Review

7. **Labache, L.**, Chopra, S., Zhang, X.-H., & Holmes, A. J. (2025). The molecular and cellular underpinnings of human brain lateralization. DOI: [10.1101/2025.04.11.648388](https://doi.org/10.1101/2025.04.11.648388) (*preprint*)
6. Chopra, S., Worhunsky, P. D., Naganawa, M., Zhang, X.-H., Segal, A., **Labache, L.**, Orchard, E., Cropley, V., Wood, S., Angarita, G. A., Cosgrove, K., Matuskey, D., Nabulsi, N.B., Huang, Y., Carson, R. E., Esterlis, I., Skosnik, P. D., D'Souza, D. C., Holmes, A. J., Radhakrishnan, R. (2025). Network-based Molecular Constraints on in vivo Synaptic Density Alterations in Schizophrenia . DOI: [10.1101/2025.03.22.25324465](https://doi.org/10.1101/2025.03.22.25324465) (*preprint*)
5. **Labache, L.**, Beyh, A., Parkes, L., & Holmes, A. J. (2025). Hemispheric complementarity produces population-level language-attention crowding. (*preprint*)
4. **Labache, L.**, Hesling, I., Zago, L. (2025). Language Lateralization Shapes Task, not Rest, in Attentional and Numerical Networks. DOI: [10.1101/2025.11.23.690045](https://doi.org/10.1101/2025.11.23.690045) (*preprint*)
3. Cocuzza, C. V., Chopra, S., Segal, A., **Labache, L.**, Chin, R., Joss, K., Holmes, A. J. (2025). Brain network dynamics reflect psychiatric illness status and transdiagnostic symptom profiles across health and disease. DOI: [10.1101/2025.05.23.655864](https://doi.org/10.1101/2025.05.23.655864) (*preprint*)
2. Qu, Y. L., Chopra, S., Qu, S., Cocuzza, C. V., **Labache, L.**, Bauer, C. C. C., Morfini, F., Whitfield-Gabrieli, S., Slavich, G. M., Joormann, J., Holmes, A. J. (2024). Shared and unique lifetime stressor characteristics and brain networks predict adolescent anxiety and depression. DOI: [10.1101/2024.10.25.620373](https://doi.org/10.1101/2024.10.25.620373) (*preprint*)
1. **Labache, L.**, Joliot, M., Doucet, G. E., & Saracco, J. (2022). Study of inter-individual variability of three-dimensional data table: detection of unstable variables and sample. DOI: [10.48550/arXiv.2004.05033](https://doi.org/10.48550/arXiv.2004.05033) (*preprint*)

Thesis

Labache, L. (2020). Elaboration Of Brain Network Atlases Underpinning Lateralized Cognitive Functions, Application To The Study Of Inter-individual Variability Of Language. *PhD thesis*, French Alternative Energies and Atomic Energy Commission, **Université de Bordeaux**. NNT: [2020BORD0155](https://nnt.boreas.fr/2020BORD0155) (*in french*).

Open-source Code

7. **Labache, L. (2025).** loiclabache/LUCA_brainAtlas: Lateralized Underpinnings of Comparison and Arithmetic atlas (LUCA) (Labache_2025_LUCA_251130.) **Zenodo**. DOI: [10.5281/zenodo.17771073](https://doi.org/10.5281/zenodo.17771073)

6. **Labache, L. (2025).** loiclabache/Labache_2025_IndLat: Independent Lateralization of Language, Attention, and Numerical Cognition Across Task and Rest (Labache_2025_IndLat_251130.) **Zenodo**. DOI: [10.5281/zenodo.17771776](https://doi.org/10.5281/zenodo.17771776)
5. **Labache, L. (2025).** loiclabache/Labache_2025_MolCelLat: The molecular and cellular underpinnings of human brain lateralization (Labache_2025_MolCelLat_250413.) **Zenodo**. DOI: [10.5281/zenodo.15207454](https://doi.org/10.5281/zenodo.15207454)
4. **Labache, L. (2024).** loiclabache/ALANs_brainAtlas: Atlas for the Lateralized Visuospatial Attention Networks (ALANs) (Labache_2024_ALANs_240214.) **Zenodo**. DOI: [10.5281/zenodo.10658842](https://doi.org/10.5281/zenodo.10658842)
3. **Labache, L., Roger, E., Hamlin, N., Kruse, J., Baciú, M., & Doucet, G. E. (2023).** When age tips the balance: a dual mechanisms affecting hemispheric specialization for language. **Zenodo**. DOI: [10.5281/zenodo.10253278](https://doi.org/10.5281/zenodo.10253278)
2. Chopra, S., **Labache, L.**, Dhamala, E., Orchard, E. R., & Holmes, A. J. (2023). A Practical Guide for Generating Reproducible and Programmatic Neuroimaging Visualizations. **Figshare**. DOI: *Table selector*; [10.6084/m9.figshare.23537316.v1](https://doi.org/10.6084/m9.figshare.23537316.v1), *R version*; [10.6084/m9.figshare.23537313.v1](https://doi.org/10.6084/m9.figshare.23537313.v1), *Python version*; [10.6084/m9.figshare.23537319.v1](https://doi.org/10.6084/m9.figshare.23537319.v1)
1. **Labache, L., Ge, T., Yeo, B.T. T., & Holmes, A. J. (2023).** Language network lateralization is reflected throughout the macroscale functional organization of cortex. **Zenodo**. DOI: [10.5281/zenodo.7869039](https://doi.org/10.5281/zenodo.7869039)

Open Data

2. Mazoyer, B., Tzourio-Mazoyer, N., **Labache, L.**, Zago, L., Hesling I. (2021). BIL&GIN FTT fMRI and handedness. **Dryad**, Dataset. DOI: [10.5061/dryad.cz8w9gj1z](https://doi.org/10.5061/dryad.cz8w9gj1z)
1. Mazoyer, B., Tzourio-Mazoyer, N., **Labache, L.**, Joliot, M., Crivello F. (2020). BIL & GIN sentence and rest asymmetries. **Dryad**, Dataset. DOI: [10.5061/dryad.ht76hdcrcf](https://doi.org/10.5061/dryad.ht76hdcrcf)

Presentations

Posters

23. **Labache, L., Beyh, A., Parkes, L., & Holmes, A. J. (2026)** *Hemispheric complementarity produces population-level language-attention crowding*. **Organization for Human Brain Mapping**, Palais 2 l'Atlantique - Bordeaux, FR.
22. **Labache, L., Hesling, I., Zago, L. (2026)** *Language Lateralization Shapes Task, not Rest, in Attentional and Numerical Networks*. **Organization for Human Brain Mapping**, Palais 2 l'Atlantique - Bordeaux, FR.
21. Lawhead, C., Silver, J., Olino, T., **Labache, L.**, Juhng, S., Schwartz, H., Klein, D. (2026) *Longitudinal clustering of psychopathology across childhood and adolescence: an approach toward developmentally-based classification*. **Life History Research Society Meeting**, University of Oslo - Oslo, NO.
20. **Labache, L., Chopra, S., Zhang, X.-H., & Holmes, A. J. (2026)** *The molecular and cellular underpinnings of human brain lateralization*. **Society of Biological Psychiatry**, New York Marriott Marquis - New York City, US.
19. Daube, A., Culhane, B., Joss, K., Cocuzza, C., **Labache, L.**, Baker, J., Yeo, T., Holmes, A. J. (2026) *A transdiagnostic dataset for mapping functional connectivity and symptom dynamics in affective and psychotic illness*. **Society of Biological Psychiatry**, New York Marriott Marquis - New York City, US.
18. **Labache, L., Chopra, S., Zhang, X.-H., & Holmes, A. (2025)** *The molecular and cellular underpinnings of human brain lateralization*. **Organization for Human Brain Mapping**, Brisbane Convention and Exhibition Centre - Brisbane, AU.

17. Qu, Y. L., Chopra, S., Qu, S., Cocuzza, C. V., **Labache, L.**, Bauer, C. C. C., Morfini, F., Whitfield-Gabrieli, S., Slavich, G. M., Joormann, J., Holmes, A. J. (2025) *Shared and unique lifetime stressor characteristics and brain networks predict adolescent anxiety and depression*. **Society of Biological Psychiatry**, Sheraton Toronto - Toronto, CA.
16. **Labache, L.**, Petit, L., Joliot, M., & Zago, L. (2024) *Atlas for the Lateralized Visuospatial Attention Networks (ALANs): Insights from fMRI and Network Analyses*. **Human Neuroimaging Day**, Centre Broca Nouvelle Aquitaine - Bordeaux, FR.
15. **Labache, L.**, Ge, T., Yeo, BT. T., & Holmes, A. J. (2023) *Language network lateralization is reflected throughout the macroscale functional organization of cortex*. **Society for the Neurobiology of Language**, Palais du Pharo - Marseille, FR.
14. **Labache, L.***, Roger, E.*, Baciú, M., & Doucet, G. E. (2023) *When Age Tips The Balance: a Dual Mechanism Affecting Hemispheric Specialization for Language*. **Society for the Neurobiology of Language**, Palais du Pharo - Marseille, FR. *authors contributed equally to this work
13. **Labache, L.***, Roger, E.*, Baciú, M., & Doucet, G. E. (2023) *When Age Tips The Balance: a Dual Mechanism Affecting Hemispheric Specialization for Language*. **Organization for Human Brain Mapping**, Palais des congrès de Montréal - Montréal, CA. DOI: [10.13140/RG.2.2.32508.72324](https://doi.org/10.13140/RG.2.2.32508.72324) *authors contributed equally to this work
12. Chopra, S., **Labache, L.**, Dhamala, E., Orchard, E., & Holmes, A. J. (2023) *Brain-code: A web-app to generate brain visualisation code templates for R and Python*. **Organization for Human Brain Mapping**, Palais des congrès de Montréal - Montréal, CA.
11. **Labache, L.**, Petit, L., Joliot, M., & Zago, L. (2023) *Visuospatial Attention Networks Evidenced in a Population with Typical Language Brain Organization*. **Organization for Human Brain Mapping**, Palais des congrès de Montréal - Montréal, CA. DOI: [10.13140/RG.2.2.12271.20641](https://doi.org/10.13140/RG.2.2.12271.20641)
10. **Labache, L.**, Ge, T., Yeo, BT. T., & Holmes, A. J. (2023) *Language network lateralization is reflected throughout the macroscale functional organization of cortex*. **Society of Biological Psychiatry**, Hilton Bayfront San Diego - San Diego, California, US. DOI: [10.1016/j.biopsych.2023.02.544](https://doi.org/10.1016/j.biopsych.2023.02.544)
9. Ricard, J.A., **Labache, L.**, Chopra, S., Dhamala, E., Jones, G., Harnett, N., Yip, S., & Holmes, A. J. (2023) *The Neural Underpinnings of Cocaine Use Disorder*. **Society of Biological Psychiatry**, Hilton Bayfront San Diego - San Diego, California, US. DOI: [10.1016/j.biopsych.2023.02.639](https://doi.org/10.1016/j.biopsych.2023.02.639)
8. Ricard, J.A., **Labache, L.**, Chopra, S., Dhamala, E., Harnett, N., Jones, G., Yip, S., & Holmes, A. J. (2022) *The network-level correlates of cocaine use disorder*. **Society for Neuroscience**, San Diego, CA, US.
7. Thomas, A., **Labache, L.**, Tsuchida, A., Arsandaux, J., Zago, L., Tzourio, C., Crivello, F., & Samieri, C. (2022) *Dietary pattern and brain structure among young adults*. **Alzheimer's Association International Conference**, San Diego, CA, US. DOI: [10.1002/alz.064049](https://doi.org/10.1002/alz.064049)
6. **Labache, L.**, Ge, T., Yeo, BT. T., & Holmes, A. J. (2022) *Topological Perspective of atypical brain organization*. **Organization for Human Brain Mapping**, Scottish Event Campus - Glasgow, Scotland, GB.
5. **Labache, L.**, Ge, T., Yeo, BT. T., & Holmes, A. J. (2022) *Atypical language network organization is reflected in the macroscale organization of the cortical sheet*. **Neurobiology of Language: Key Issues and Ways Forward II**, Max Planck Institute for Psycholinguistics - Nijmegen, NL.

4. **Labache, L.**, Joliot, M., Saracco, J., Mazoyer, B., Tzourio-Mazoyer, N. (2018). *"FALCON: a functional atlas of language comprehension networks based on multiple task-induced activation mapping and graph analysis of intrinsic connectivity in 137 healthy right-handers"*. **2nd Doctoral Day of the Frédéric Joliot Institute**, Neursopin, CEA – Paris, FR.
3. Tzourio-Mazoyer, N., Joliot, M., **Labache, L.**, Crivello, F., Zago, L., Hesling, I., Mazoyer, B. (2018). *"Brain language dominance and hand lateralization relationships: insights from the Brain Imaging Lateralization database (BIL&GIN)"*. **North Sea Laterality International Meeting** – Dundee, GB.
2. Hesling, I., **Labache, L.**, Jobard, G., Leroux, G., Tzourio-Mazoyer, N. (2018). *"Heteromodal brain areas commonly activated and asymmetrical in production, listening and reading tasks at the word level: an fMRI study of 144 right-handers from the BIL&GIN."* **North Sea Laterality International Meeting** – Dundee, GB.
1. **Labache, L.**, Tzourio-Mazoyer, N., Jobard, G., Crivello, F., Mazoyer, B., Joliot, M. (2017). *"Tentative atlas of core language areas from fMRI mapping of 6 language tasks in 144 healthy right-handers"*. **Organization for Human Brain Mapping** – Vancouver, CA

Invited Talks

- 2026 **Organization for Human Brain Mapping**, Palais 2 l'Atlantique – Bordeaux, FR. *The left–right hemispheric contrast as a window into multi-level brain organization.* (symposium)
- 2025 **Organization for Human Brain Mapping**, Brisbane Convention and Exhibition Centre – Brisbane, AU. (June 26th). *The molecular and cellular underpinnings of human brain lateralization.*
- 2025 **IMA-brain Seminar Series**, Institute of Psychiatry and Neuroscience of Paris – Paris, FR. (January 28th). *Hemispheric Specialization as a Model for the Emergence of Cognition.*
- 2024 **CAHBIR Seminar Series**, Rutgers University – Piscataway, NJ, US. (November 18th). *How Our Brains Process Language: Specialization, Individual Differences, Genetics, and Aging.*
- 2024 **Scientific Focus at LaPsyDÉ**, Université Paris Cité – Paris, FR. (September 27th). *Hemispheric Specialization as a Model for the Emergence of Cognition.*
- 2023 **LPNC Talks series**, Université Grenoble Alpes – Grenoble, FR. (June 1st). *From the Elaboration of Language Atlases to Understanding Brain Lateralization.*
- 2023 **Ima-Brain**, UCL Institute of Education - London, UK. (April 19th). *When Age Tips The Balance: a Dual Mechanism Affecting Hemispheric Specialization for Language.*
- 2022 **Psychology's Current Work Series in Neuroscience**, Department of Psychology, Yale University – New Haven, CT, US. (November 11th). *From the Elaboration of Cognitive Atlases to the Study of Hemispheric Variability..*
- 2022 **Organization for Human Brain Mapping**, Scottish Event Campus – Glasgow, GB. (June 23th). *Relationship between Language Lateralization and Global Brain Architecture.*
- 2021 **Cognitive Neuroscience Meetings**, Department of Psychology, Yale University – New Haven, CT, US. (May 21st). *From the Identification of Language Network to Typical and Atypical Brain Organization.*
- 2021 **Oslo Virtual Laterality Colloquium**, Department of Psychology, University of Oslo – Oslo, NO. (February 26th). *Typical and Atypical Brain Organization for Language.*
- 2019 **3rd Doctoral Day of the Frédéric Joliot Institute**, Neursopin, CEA – Paris-Saclay, FR. (June 14th). *"Elaboration of Brain Atlases of Functional Areas."*
- 2019 **51^{ème} Journées de Statistique**, Université de Lorraine - Nancy, FR. (June 3rd). *Study of Inter-Individual Variability of Three-Dimensional Data Table: Detection of Unstable Variables and Samples.*

2019 **10^e Colloque des Jeunes Chercheurs en Sciences Cognitives**, Ecole Normale Supérieure – Paris, FR. (March 29th). *SENSAAS, a New Atlas of Language Brain Areas*.

Teaching

- 2019 – 2023 Instructor – **University Degree in Neuropsychology**, *Université de Bordeaux*, Bordeaux – FR, Course title: *Anatomo-functional organization of language*.
- 2018 – 2020 Co-Instructor – **Engineer Degre (M.S.)**, *Institut Polytechnique de Bordeaux*, Talence – FR, Course title: Statistical modeling and dynamical systems.

Services

Ad Hoc Reviewer: Biological Psychiatry, Brain Structure and Function, Cerebral Cortex, Communications Biology, Human Brain Mapping, Imaging Neuroscience, Journal of Neurophysiology, Neurobiology of Language, NeuroImage, Scientific Reports

2022, 2024 **Abstract Reviewer**, *Organization for Human Brain Mapping*

2019–2021 **Elected member of the Laboratory Council**, *Institut de Mathématiques de Bordeaux*

Membership

- 2021–Current **Society for Neuroscience**
- 2021–Current **Society of Biological Psychiatry**
- 2017–Current **Organization for Human Brain Mapping**

Referees

- 1st Referent **Avram J. Holmes** 🏠 – **Associate Professor of Psychiatry**, Holmes Lab – Department of Psychiatry – Rutgers University – Piscataway, NJ, USA
e-mail: avram.holmes@rutgers.edu
- 2nd Referent **Monica Baci** 🏠 – **Professor of Cognitive Neuroscience & Neurologist**, Laboratoire de Psychologie et Neurocognition, CNRS – UMR 5105 – Université Grenoble Alpes – Grenoble, FR
e-mail: monica.baciu@univ-grenoble-alpes.fr
- 3rd Referent **Michel Thiebaut de Schotten** 🏠 – **Professor in Cognitive Psychology**, Brain Connectivity and Behaviour Laboratory, University of Bordeaux – Bordeaux, FR
e-mail: michel.thiebaut@gmail.com