Publications

(*: PhD students)

Submitted & preprints

1. *Restoy, S., Ziegler, J., & **Pattamadilok, C** (under revision). From Symbols to Letters: Early Modulation of the Transposition Effect with Decoding Skills.
2. **Pattamadilok, C**., *Restoy, S., Tyler, M. D., & Welby, P. (submitted) The Role of Visual Articulatory gestures and Orthography in Perceptual Training of Non-Native Phonemic Contrasts. (see Preprint: In *PsyArXiv*. https://doi.org/10.31234/osf.io/ubpf2_v1)
3. **Pattamadilok, C**., *Bertolucci, L., Youssef, C., & Pegado, F. (under revision). When More Is Not Better: Costs of Increasing Multimodal Engagement During Letter–Sound Association Learning. (see Preprint: In *PsyArXiv*. https://doi.org/10.31234/osf.io/fr5a9_v1)
4. Bulnes, L., Cleeremans, A., **Pattamadilok, C**., De Vos, C., & Vandekerckhove, M. (submitted) Bilateral continuous theta-burst stimulation of the anterior prefrontal cortex impairs emotional change detection and facial mimicry while enhancing metacognition of facial identity: a TMS–EMG study (see Preprint: In *PsyArXiv*. https://doi.org/10.31234/osf.io/gxewt_v1)

Peer-reviewed articles

1. *Bertolucci, L., & **Pattamadilok, C**. (2026). Impact of input modality on task-switching cost: A behavioural investigation of domain general versus modality-specific account of cognitive flexibility. *Acta Psychologica*, *270*, 107814.

2. Debska, A., Wang, S., Jednorog, K., & **Pattamadilok, C**. (2025). Reading Acquisition Drives Linguistic Cross-Modal Convergence in The Left Ventral Occipitotemporal Cortex. *NeuroImage, 326,* 121678. https://doi.org/10.1016/j.neuroimage.2025.121678.

3. Wang, S., Dubarry, A-S, Chanoine, V., Sein, J., Anton, J-L., Nazarian, B., Mercier, M.R., Trébuchon, A., & **Pattamadilok, C**. (2025). Revealing the co-existence of written and spoken language coding neural populations in the left-ventral occipitotemporal cortex. *Imaging Neuroscience*, https://doi.org/10.1162/imag_a_00524

4. **Pattamadilok, C**., Wang, S., Bolger, D., & Dubarry, A-S (2025). Learning to read transforms phonological into phonographic representations. *Scientific Reports*, 15, 5398. https://doi.org/10.1038/s41598-025-88650-9

5. *Denis-Noël, A., Colé, P., Bolger, D., & **Pattamadilok, C**. (2023). How do adults with dyslexia recognize spoken words? Evidence from behavioral and EEG data. *Scientific Study of Reading*. DOI: 10.1080/10888438.2023.2218503

6. Wang, S., Planton, S., Chanoine, V., Sein, J., Anton, J. L., Nazarian, B., Dubarry, A-S., Pallier, C, & **Pattamadilok, C**. (2022). Graph theoretical analysis reveals the functional role of the left ventral occipito-temporal cortex in speech processing. *Scientific Reports, 12,* 20028. https://doi.org/10.1038/s41598-022-24056-1.

7. Planton, S., Wang, S., Bolger, D., Bonnard, M., & **Pattamadilok, C.** (2022). Effective connectivity of the left-ventral occipito-temporal cortex during visual word processing: Direct causal evidence from TMS-EEG co-registration. *Cortex, 154,* 167-183. DOI: 10.1016/j.cortex.2022.06.004

8. Shao, J. Zhang, C., Zhang, G., Zhang, Y., & **Pattamadilok, C**. (2022). The effects of alphabetic literacy, linguistic-processing demand and tone type on the dichotic listening of lexical tones. *Frontiers in Psychology*. 13, 877684. Doi: 10.3389/fpsyg.2022.877684

9. **Pattamadilok, C**. & Sato, M. (2022). How are visemes and graphemes integrated with speech sounds during spoken word recognition? ERP evidence for supra-additive responses during audiovisual compared to auditory speech processing. *Brain and Language*, 225, 105058. Doi.org/10.1016/j.bandl.2021.105058

10. **Pattamadilok, C**., Welby, P., & Tyler, M. D. (2022). The contribution of visual articulatory gestures and orthography to speech processing: Evidence from novel word learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition, 48*(10), 1542–1558. https://doi.org/10.1037/xlm0001036

11. Runnqvist, E., Chanoine, V., Strijkers, K, **Pattamadilok, C.**, Bonnard, M., Nazarian, B., Sein, J., Anton, J-L., Dorokhova, L., Belin, P., Alario, F-X. (2021). Cerebellar and cortical correlates of internal and external speech error monitoring. *Cerebral Cortex Communication, 2*(2), 1-12. DOI: 10.1093/texcom/tgab038

12. Bakhtiar, M, Mokhlesin, M., **Pattamadilok, C**., Politzer-Ahles, S., Zhang, C. (2021). The effect of orthographic transparency on auditory word recognition across the development of reading proficiency. *Frontiers in Psychology. 12,* 3129. Doi: 10.3389/fpsyg.2021.691989

13. Zhang, Y., **Pattamadilok, C**., Lau, DKY, Bakhtiar, M., Yim, L-Y., Leung, K-Y, Zhang, C. (2021). Early auditory ERPs are modulated by alphabetic literacy skills in logographic Chinese readers. *Frontiers in Psychology. 12,* 3251. Doi:10.3389/fpsyg.2021.663166

14. *Denis-Noël, A., **Pattamadilok, C**, Castet, E., & Colé, P. (2020). Activation time-course of phonological code in silent word recognition in adult readers with and without dyslexia. *Annals of Dyslexia, 70,* 313–338. DOI: 10.1007/s11881-020-00201-1

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16. Planton, S., Chanoine, V., Sein, J., Anton, J. L., Nazarian, B., Pallier, C, & **Pattamadilok, C**. (2019). Top-down activation of the visuo-orthographic system during spoken sentence processing. *NeuroImage, 202,* 116135. DOI: 10.1016/j.neuroimage.2019.116135

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19. Cavalli, E., Colé, P., **Pattamadilok, C**., Badier, J.M., Zielinski, C., Chanoine, V., & Ziegler, J. C. (2017). Spatiotemporal reorganization of the reading network in adult dyslexia. *Cortex, 92*, 204 – 221. DOI: 10.1016/j.cortex.2017.04.012

20. **Pattamadilok, C**., Ponz, A., Planton, S., & Bonnard, M. (2016). Contribution of writing to reading: Dissociation between cognitive and motor process in the left dorsal premotor cortex. *Human Brain Mapping, 37*, 1531–1543. DOI: 10.1002/hbm.23118

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22. Dufour, S., Nguyen, N., **Pattamadilok, C**., Frauenfelder, U. (2016). Does training on a phonemic contrast absent in the listener's dialect influence word recognition? A new attempt. *Journal of the Acoustical Society of America, 140*, 1871-1877. DOI: 10.1121/1.4962562

23. **Pattamadilok, C.**, Bulnes, L. C., Devlin, J. T., Bourguignon, M., Morais, J, Goldman, S., & Kolinsky, R. (2015) How early does the brain distinguish between regular words, irregular words, and pseudowords during the reading process? Evidence from neurochronometric TMS. *Journal of Cognitive Neuroscience, 27*, 1259-1274. DOI: 10.1162/jocn_a_00779

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45. **Pattamadilok, C**., Morais, J., Ventura, P., & Kolinsky, R. (2007). The locus of the orthographic consistency effect in auditory word recognition: Further evidence from French. *Language and Cognitive Processes, 22*, 700-726. DOI: 10.1080/01690960601049628

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Book chapter

1. Alario, F. X., Dufour, S., & **Pattamadilok, C.** (2016). Codage lexico-sémantique: comment les mots font sens. In S. Pinto & M. Sato (Eds.), *Traité de neurolinguistique. Du cerveau au langage* (pp. 197-206). Louvain-la-Neuve: De Boeck Supérieur. DOI: 10.3917/dbu.pinto.2016.01.0197

Proceedings

1. Tyler, M. D., Clot, E., Villain--Bailly, M.-S., **Pattamadilok, C**. (2019). Perceptual assimilation of English dental fricatives by native speakers of European French. In S. Calhoun, P. Escudero, M. Tabain, & P. Warren (Eds.) *Proceedings of the 19th International Congress of Phonetic Sciences*, Melbourne, Australia 2019 (pp. 2580-2584). Canberra, Australia: Australasian Speech Science and Technology Association Inc.

2. Blache, P., Rauzy, S., Bolger, D., **Pattamadilok, C**., & Dufour, S. (2018). A Dataset for Studying Idiom Processing with EEG. In B. Devereux, E. Shutova, & C. R. Huang (Eds.), *Linguistic and Neuro-Cognitive Resources (LiNCR)* (pp. 18–22). Miyazaki, Japan.

3. **Pattamadilok, C**., Morais, J., Ventura, P., & Kolinsky, R. (2005). The locus of the orthographic consistency effect in speech recognition: a cross-linguistic study. *Proceedings of the ISCA Workshop on Plasticity in Speech Perception* (pp. 91-94). London, UK.

Editorials

1. **Pattamadilok, C**. (2018). Introduction to the special issue: "Language as a domain-specific or domain-general cognitive function?", *L'Année psychologique/Topics in Cognitive Sciences, 118(3)*, 251-253.

2. Colé, P. & **Pattamadilok, C**. (2018). Introduction. *L'Année psychologique/Topics in Cognitive Sciences, 118(4),* 319-319 (Introduction to the series of commentaries to the opinion article entitled ""*The worries of wearing literate glasses*" by. J. Morais & R. Kolinsky.)

Press article

1. **Pattamadilok, C**. Comment l'apprentissage de la lecture change la manière dont le cerveau traite la parole ? La lettre d'AMU. Mai 2014, N° 21, pp. 35.

Conference communications *with contributions of PhD students (*)*

Oral communications

- *Bertolucci, L., Rauzy, S., Abotti, K., & **Pattamadilok C.** (2026). Evaluation of individual modality-specific cognitive profile: Dissociation between objective vs. subjective measures. The 24th International Multisensory Research Forum. 24-27 June, Genoa, Italy.
- Castet, E., *Denis-Noël, A., Aguilar, C., Colé, P. & **Pattamadilok, C**. (2017). Crowding, visual span and reading speed in dyslexia. European Conference on Visual Perception. 27–31 August, Berlin, Germany.

Poster communications

- **Pattamadilok, C.**, *Bertolucci, L., Youssef, C., & Pegado, F. (2026): Increasing concurrent multimodality for letter-sound association learning. The 24th International Multisensory Research Forum. 24-27 June, Genoa, Italy.
- *Restoy, S., Ziegler, J-C., & **Pattamadilok, C**. (2026). From symbols to letters: Emergence of the transposition effect with decoding skills. The 8th annual meeting of the Society for the Cognitive Science of Culture. 22-24 April, Aix-en-Provence, France.
- *Restoy, S., Ziegler, J-C., & **Pattamadilok, C**. (2025). Impacts of reading experience and selective visual attention on letter and non-letter position coding in beginning readers. The 22nd edition of Psycholinguistics in Flanders, 19-20 May, Lille, France.
- *Restoy, S., Ziegler, J-C., & **Pattamadilok, C.** (2025). Global evaluation of the reciprocal influences between reading acquisition and the development of cognitive abilities in children. AMPIRIC Research Hub Annual Findings conference, INSPE, Marseille, France.
- *Bertolucci, L., Pegado, F., Youssef, C., **Pattamadilok, C.** (2025). Detrimental impact of multimodal training on letter-sound association learning. The 22nd edition of Psycholinguistics in Flanders 2025, 19-20 May, Lille, France.
- Wang, S. *Restoy, S., Sein, J., Nazarian, B., Anton, J-L., Dubarry, A-S, François, C., Pegado, F., Lamberton, F., & **Pattamadilok, C**. (2024). Neural representations of new words: Does learning method

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- Wang, S. *Restoy, S., Sein, J., Nazarian, B., Anton, J-L., Dubarry, A-S, François, C., Pegado, F., Lamberton, F., & **Pattamadilok, C.** (2023). A comparison of different methods for new word learning and the underlying neural representations. The 15th Annual Meeting of the Society for the Neurobiology of Language. 24-26 October, Marseille, France.
- *Denis-Noël, A., Castet, E., **Pattamadilok, C**., Colé, P. (2018). Activation time-course of phonological code in silent word recognition in adult readers with and without dyslexia. The 25th annual Scientific Society of Reading. 18-21 July, Brighton, UK.
- *Denis-Noël, A., Castet, E., **Pattamadilok, C**., & Colé, P. (2017). Phonological code activation is delayed in dyslexic university students: An eye-tracking study. European Dyslexia Association. 6-8 October, Munich, Germany.
- *Denis-Noël, A., Colé, P., Bolger, D., **Pattamadilok, C**. (2016) Pervasive effect of phonological deficits on spoken word recognition: behavioral and EEG evidence from dyslexic and normal readers. The 22nd Annual Conference on Architectures and Mechanisms for Language Processing, 1-3 September, Bilbao, Spain.
- **Pattamadilok C**., *Denis-Nöel, A., LIN, Yi-Chen, Wu, D., & Chia-Lin L. (2015). Influence of logographic and alphabetic writing systems on auditory information processing: The generalizability and stability issues. The 19th Conference of European Society for Cognitive Psychology, 17-20 September, Paphos, Cyprus.
- *Denis-Noël, A., Castet, E., Colé, P., **Pattamadilok, C.** (2015). Interaction between spoken and written language during sentence processing: comparison between adults with dyslexia and skilled readers. Brain and Language Institute Workshop. 15-18 April, Cargèse, France.