

## Publications.

Articles publiés dans des revues à comité de lecture \* co-authorship. PhD, L3-M1-M2

### Articles publiés & soumis.

1. Lasfargues-Delannoy A., Berland A., Cochard A., Husson H, Calmels MN, Tardieu J., Gaillard P., Barone P., Farrer C.\* Deguine O.\* The sensory room: Naturalistic evaluation of auditory and visual perception in developing children **PLoS One** (Submitted).
2. Strelnikov K., Gaillard P., Terrace J., Deguine O., Pins D. \*, Barone P. \* What does your face tell me about you? Evidence of a hierarchy in the social categorization of faces. PsyArXiv <https://psyarxiv.com/cgdym>
3. Alzaher M., Valzolgher C, Verdelt G., Pavani F., Farnè A., Barone P., & Marx M. Audiovisual training in virtual reality improves auditory spatial adaptation in unilateral hearing loss patients. **J. Clinical Medicine** **2023**, *12*(6), 2357.
4. Valzolgher C., Alzaher M., Gaveau V., Coudert A., Marx M., Truy E., Barone P., Farnè A. & Pavani F. Capturing visual attention with perturbed auditory spatial cues **Trends in Hearing** (2023) in press.
5. Strelnikov K., Debladis J., Salle J., Valette M., Cortadellas J., Tauber\* and Barone\* P. Amygdala hyperactivation relates to eating behavior: a potential indicator of food addiction in Prader-Willi syndrome **Brain Communication** *5* (3) (2023).
6. Alzaher M., Strelnikov K., Marx\* M. & Barone\* P., Brain plasticity and auditory spatial adaptation in patients with unilateral hearing loss **Cerebral Cortex** (2023) *33*(11):7221-7236.
7. C. Karoui, K. Strelnikov, P. Payoux, A.-S. Salabert, O. Deguine, P. Barone\*, M. Marx\*. Cortical processing for sound location is restored after cochlear implantation in asymmetric hearing loss. Evidence from a PET H<sub>2</sub>O<sub>15</sub> study. **Cerebral Cortex** (2023) *3*(5):2229-2244 2229-2244.
8. Calmels MN, Gallois Y, Marx M, Deguine O, Taoui S, E. Arnaud, K. Strelnikov, Barone P. Functional reorganization of the central auditory system in children with single-sided deafness: a protocol using fNIRS. **Brain Sciences** *12*(4)(2022):423.
9. Sadoun A., Chauhan T., Zhang Y., Gallois Y., Marx M., Deguine O., Barone P., and Strelnikov K. Intensity patterns at the peaks of brain activity in fMRI and PET are highly correlated with neural models of spatial integration. **European Journal of Neuroscience** *54* (2021): 7141-7151.
10. Alzaher M, Vannson N, Deguine O., Marx M., Barone P, Strelnikov K. Brain plasticity in Deafness. **Revue Neurologique**. *177* (2021): 1121-1132.
11. Lasfargues-Delannoy A., Strelnikov, C., Deguine O., Marx M. and Barone P. Supra-normal skills in processing of visuo-auditory prosodic information by cochlear-implanted deaf patients. **Hearing Research** *410* (2021): 108401
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13. Strelnikov K., Hervault M., L. Laurent and P. Barone. When two is worse than one for stopping an action: deleterious impact of multisensory stimulation on response inhibition. **PLoS One** (2021). *16*(5): e0251739.

14. Alzaher M., Serano P., Nieto P., Barone P., Tardieu J., & Marx M. Contribution of a method of assessing minimum audible angle in headphones. **European Annals of oto-rhino-laryngology, head and neck diseases**.138 (2021): 333-336
15. Valzolgher C., Alzaher M., Gessa E., Todeschini M., Nieto P., Verdelet G., Salemme R., Gaveau V., Marx M., Truy E., Barone P., Farnè A. & Pavani F. The impact of a visual spatial frame on real sound-source localization in virtual reality **Cur. Res. Behav. Sci.** (2020).
16. Vannson N., Strelnikov, K., James, C., Deguine O., \*Barone P., and \*Marx M. Functional reorganization of the auditory dorsal stream during spatial hearing: evidence from unilateral hearing loss **Neuropsychologia** (2020) 149: 107683
17. Sadoun A., Chauhan T., Mameri S., Zhang Y., Barone P., Deguine O., and Strelnikov K. Stimulus-specific information is represented as local activity patterns across the brain. **NeuroImage** (2020) 223: 117326 .
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22. Berland A., Collett E., Gaillard P., Guidetti M, K. Strelnikov, Cochard, N, \*Barone P and \*Deguine O. Categorization of everyday sounds: A comparison between cochlear implanted and normal hearing children. **Scientific Report** (2019) 9:3532.
23. Hermann R, Lescanne E, Loundon N, Barone P, Belmin J, Blanchet C, Borel S, Charpiot A, Coez A, Deguine O, Farinetti A, Godey B, Lazard D, Marx M, Mosnier I, Nguyen Y, Teissier N, Virole MB, Roman S, Truy E. French Society of ENT (SFORL) guidelines. Indications for cochlear implantation in adults. **Eur Ann Otorhinolaryngol Head Neck Dis.** 2019 Jun;136(3):193-197.
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25. Magrou L., Barone P., Markov N.T., Killackey H., Giroud P., Berland M., Knoblauch K., Dehay C., Kennedy H. How Areal Specification Shapes the Local and Inter-Areal Circuits in A Macaque Model of Congenital Blindness. **Cerebral cortex** 28 (2018). 3017-3034
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35. K. Strelnikov, M. Marx, Lagleyre S., B. Fraysse, O. Deguine, P. Barone. PET-imaging of brain plasticity after cochlear implantation. **Hearing Research** 322 (2015) :180-187.
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**Actes de colloques à comités de lecture.**

1. Debladis J, Strelnikov, K., Shally M., Tauber M., & Barone P. Unbalanced visuo-auditory interactions for gender and emotions processing in voice. 15th International Conference on Auditory-Visual Speech Processing. Melbourne 2018.
2. A. Lasfargues-Delannoy, K. Strelnikov, S. Oudiz, O. Deguine, 2, M. Marx, P. Barone. Processing of visuo-auditory prosodic information in cochlear-implanted patients deaf patients. 14th International Conference on Auditory-Visual Speech Processing. Stockholm 2017
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### **Chapitres d'ouvrage.**

1. Lazard D.S, Bakhos D., Godey B., Charpiot, Barone P. & Deguine O. (2018) *Répercussion centrale consécutive à la surdité chez l'adultes et à la réhabilitation auditive*. Surdit . Actualit , innovations et Espoirs. Truy E., Lescanne E., Loudon N.& Roman S . Editeurs. Eslevier Masson. 9-13
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3. M. Hoen, P. Barone et M. Marx (2016). *Surdit (s)*. Trait  de Neurolinguistique. Du Cerveau au Language. S. Pinto et M. Sato Editeurs. De Boeck Sup rieur: 249-264.
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