

Publications

Les noms des membres de l'unité sont en gras dans la liste des co-auteurs.

Les Doctorants sont indiqués par un *.

2018

1. Jóhannesson, Ó. I., **Tagu, J.**, & Kristjánsson, Á. (in press). Asymmetries of the visual system and their influence on visual performance and oculomotor dynamics. *European Journal of Neuroscience*, doi:10.1111/ejn.14225
2. Fernandez-Ruiz, J., Peitsch, A., **Alahyane, N.**, Brien, DC, Coe, BC, Garcia, A., Munoz, DP. (2018) Age related prefrontal compensatory mechanisms for inhibitory control in the antisaccade task. *Neuroimage*. 2018 Jan 15;165:92-101. doi: 10.1016/j.neuroimage.2017.10.001. Epub 2017 Oct 5.
3. **Tagu*, J., Doré-Mazars, K.**, Vergne, J., **Lemoine-Lardennois, C.**, & **Vergilino-Perez, D.** (2018) Quantifying eye dominance strength - New insights into the neurophysiological bases of saccadic asymmetries. *Neuropsychologia*, 117, 530–540, <https://doi.org/10.1016/j.neuropsychologia.2018.07.020>
4. **Tagu, J.***, **Doré-Mazars, K.**, Vergne, J., **Lemoine-Lardennois, C.**, & **Vergilino-Perez, D.** (2018). Recentering bias for temporal saccades only: Evidence from binocular recordings of eye movements. *Journal of Vision*, 18(1):10, 1–16, doi:10.1167/18.1.10
5. **Paeye, C.**, Collins, T., Cavanagh, P. & Herwig, A. Calibration of peripheral perception of shape with and without saccadic eye movements. *Attention Perception & Psychophysics* (2018). <https://doi.org/10.3758/s13414-017-1478-3>
6. **Pressigout, A.***, **Charvillat, A.**, **Mersad, K.**, & **Dore-Mazars, K.** (2018). Time-dependency of the SNARC effect for different number formats: evidence from saccadic responses. *Psychological Research*. <https://doi.org/10.1007/s00426-018-1010-y>

2017

1. Barra, J., **Senot, P.**, & Auclair, L. (2017). Internal model of gravity influences configural body processing. *Cognition*, 158, 208–214. <https://doi.org/10.1016/j.cognition.2016.10.018>
2. **Carminati*, M.**, **Fiori-Duharcourt**, N. & Isel, F. (2017). Neurophysiological differentiation between pre attentive and attentive processing of emotional expressions on french vowel. *Biological Psychology*, Nov 1. Pii : SC0301-0511(17)30302-2. doi : 10.1016/j.biopsych.2017.10.013.
3. Chaumillon, R., **Alahyane, N.**, **Senot, P.**, Vergne, J., **Lemoine, C.**, **Doré-Mazars, K.**, Blouin, J., Guillaume A. & **Vergilino-Perez, D.** (2017). Asymmetry in visual information processing depends on the strength of eye dominance. *Neuropsychologia*, 96, 129-136.
4. Edwards, G., **Paeye, C.**, Marque, P., VanRullen, R., & Cavanagh, P. (2017). Predictive position percepts mediated by parietal areas : TMS evidence. *NeuroImage*, 153, 49-57.
5. **Guilbert, A.**, Clément, S. & Moroni, C. (2017). A rehabilitation program based on music practice for patients with unilateral spatial neglect: a single-case study. *Neurocase*. DOI:10.1080 /13554794.2016.1265652
6. **Paeye, C.**, Collins, T., & Cavanagh, P. (2017). Transsaccadic perceptual fusion. *Journal of Vision*, 17(1):14, 1–11, doi:10.1167/17.1.14
7. Provasi, J., **Lemoine-Lardennois, C.**, Orriols, E. and Morange-Majoux, F., (2017). Do preterm infants perceive temporal synchrony? An analysis with the eye-tracking system. *Timing&Time Perception*, 5 (2), 190-209.

2016

1. **Alahyane, N.**, **Lemoine-Lardennois***, C, Tailhefer, C, Collins, T, Fagard, J, **Doré-Mazars, K.** (2016). Development and learning of saccadic eye movements in 7- to 42-month-old children. *J Vis*. 2016;16(1):6. doi: 10.1167/16.1.6. [lien]
2. Bungener, C., **Bonnet, P.**, **Fiori-Duharcourt, N.** (2016). Validation de 120 images de l'IAPS auprès d'une

- population âgée de 20 à 88 ans. Gériatrie et Psychologie Neuropsychiatrie du Vieillissement. doi : 10.1684/pnv.2016.0605.
3. **Heidlmayr*, K., Doré-Mazars, K.**, Aparicio, X., & Isel, F. (2016). Multiple Language Use Influences Oculomotor Task Performance: Neurophysiological Evidence of a Shared Substrate between Language and Motor Control. PLoS One, 11(11): e0165029. doi:10.1371/journal.pone.0165029.
 4. **Legrand*, A., Doré Mazars, K., Lemoine, C.**, Nougier, V., Olivier, I. (2016). Interference between oculomotor and postural tasks in 7-8-year-old children and adults. Exp Brain Res. 2016 Jun;234(6):1667-77. doi: 10.1007/s00221-016-4565-0. Epub 2016 Feb 3. [lien]
 5. **Lemoine-Lardennois*, C., Alahyane N**, Tailhefer, C, Collins, T, Fagard, J, **Doré-Mazars K.** (2016). Saccadic Adaptation in 10-41 Month-Old Children. Front Hum Neurosci. 2016 May 25;10:241. doi: 10.3389/fnhum.2016.00241. eCollection 2016. [lien]
 6. McLellan, D., **Lavergne, L.**, & VanRullen. (2016). The phase of ongoing EEG oscillations predicts the amplitude of peri-saccadic mislocalization. Scientific Reports. 6, 29335, doi:10.1038/srep29335.61. [lien]
 7. **Mersad K**, Dehaene-Lambertz G. (2016). Electrophysiological evidence of phonetic normalization across coarticulation in infants. Dev Sci. 2016 Sep;19(5):710-22. doi: 10.1111/desc.12325. [lien]
 8. New, B., **Doré-Mazars, K.**, Cavézian, C., Pallier & **Barra, J.** (2016). The letter height superiority illusion. P Psychon Bull Rev. 2016 Feb;23(1):291-8. doi: 10.3758/s13423-014-0753-8.
 9. **Paeye, C.**, Schütz, A.C., & Gegenfurtner, K.R. (2016). Reinforcement learning shapes eye movements in visual search. *Journal of Vision*, 16(15)
 10. Piscicelli, C., **Barra, J.**, Sibille, B., Bourdillon, C., Guerraz, M., Pérennou, DA. (2016). Maintaining Trunk and Head Upright Optimizes Visual Vertical Measurement After Stroke. Neurorehabil Neural Repair. 2015 Apr 22. 2016 Jan;30(1):9-18. doi: 10.1177/1545968315583722. Epub 2015 Apr 22.
 11. **Shen*, W., Fiori-Duharcourt, N., Isel, F.**(2016). Functional significance of the semantic P600: evidence from the event-related brain potential source localization. Neuroreport. 2016 May 4;27(7):548-58. doi: 10.1097/WNR.0000000000000583. [lien]
 12. **Tagu*, J, Doré-Mazars, K, Lemoine-Lardennois, C, Vergilino-Perez, D.** (2016). How Eye Dominance Strength Modulates the Influence of a Distractor on Saccade Accuracy. Invest Ophthalmol Vis Sci. 2016 Feb;57(2):534-43. doi: 10.1167/iovs.15-18428. [lien]

2015

1. **Barra, J.**, Auclair L, Charvillat A, Vidal M, Pérennou D. (2015). Postural control influences intrinsic alerting state. *Neuropsychology*, *Neuropsychology*. 2015 Mar;29(2):226-34. doi: 10.1037/neu0000174. Epub 2015 Feb 2.
2. Chaumillon, R., **Alahyane, N., Senot, P., Vergne, J., Lemoine, C., Doré-Mazars, K., Blouin, J., Vergilino-Perez, D.** & Guillaume, A. (2015). Toward an eye dominance quantification for better management of eye diseases. Journal J Fr Ophtalmol. 2015 Apr;38(4):322-32. doi: 10.1016/j.jfo.2014.10.009. Epub 2015 Apr 1. French.
3. Guellai B, **Mersad K**, Streri A. (2015). Suprasegmental information affects processing of talking faces at birth. Infant Behav Dev. 2015 Feb;38:11-9. doi: 10.1016/j.infbeh.2014.11.003. Epub 2014 Dec 19. [lien]
4. **Heidlmayr* K**, Hemforth B, Moutier S, **Isel F.** (2015) Neurodynamics of executive control processes in bilinguals: evidence from ERP and source reconstruction analyses. Front Psychol. 2015 Jun 15;6:821. doi: 10.3389/fpsyg.2015.00821. eCollection 2015.
5. Simola, J., LeFevre, K., Torniainen, J., & **Baccino, T.** (2015). Affective processing in natural scene viewing: Valence and arousal interactions in eye-xation-related potentials. Neuroimage, 106, 21-33. doi: 10.1016/j.neuroimage.2014.11.030.
6. Piscicelli, C., **Barra J**, Davoine P, Chrispin A, Nadeau S, Pérennou D. (2015) Inter- and Intra-Rater Reliability of the Visual Vertical in Subacute Stroke. Stroke. 2015 Jul;46(7):1979-83. doi: 10.1161/STROKEAHA.115.009610. Epub 2015 May 28.

2014

1. **Alahyane, N**, Brien, DC, Coe, BC, Stroman, PW, Munoz, DP (2014). Developmental improvements in voluntary control of behavior: effect of preparation in the fronto-parietal network? Neuroimage 98:103-17.
2. **Heidlmayr*, K.**, Moutier, S., Hemforth, B., Courtin†, C., Tanzmeister, R., & **Isel, F.** (2014). Successive bilingualism and executive functions: The effect of second language use on inhibitory control in a behavioural Stroop Colour Word task. Bilingualism: Language and Cognition, 17 (03), 630–645. doi:10.1017/S1366728913000539
3. Nazzi T, **Mersad K**, Sundara M, Iakimova G, Polka L. (2014). Early word segmentation in infants acquiring Parisian French: task-dependent and dialect-specific aspects. J Child Lang. 2014 May;41(3):600-33. doi: 10.1017/S0305000913000111. Epub 2013 May 10. [lien]
4. **Paeye C**, Madelain L. (2014). Reinforcing saccadic amplitude variability in a visual search task. J Vis. 2014 Nov 20;14(13):20. doi: 10.1167/14.13.20. [lien]

5. Pérennou, D., Piscicelli C, , Barbieri G, M Jaeger, Marquer A, **Barra J.** (2014) Measuring verticality perception after stroke: why and how? *Neurophysiol Clin.* 2014 Jan;44(1):25-32. doi: 10.1016/j.neucli.2013.10.131. Epub 2013 Nov 1. Review.
6. Rode, G., Lacour S, Jacquin-Courtois S, Pisella L, Michel C, Revol P, **Alahyane N**, Luauté J, Gallagher S, Halligan P, Péisson D, Rossetti Y (2014). Long-term sensorimotor and therapeutical effects of a mild regime of prism adaptation in spatial neglect. A double-blind RCT essay. *Ann Phys Rehabil Med.* 2014 Oct 30. pii: S1877-0657(14)01802-8. doi: 10.1016/j.rehab.2014.10.004.
7. **Samson*, H., Fiori-Duharcourt, N., Doré-Mazars, K., Lemoine, C. & Vergilino-Perez, D.** (2014). Perceptual and gaze biases during face processing: related or not? *PlosOne* 9(1): e85746. Doi: 10.1371/journal.pone.0085746.
8. Witiuk, K., Fernandez-Ruiz J, McKee R, **Alahyane N**, Coe BC, Melanson M, Munoz DP (2014) Cognitive deterioration and functional compensation in ALS measured with an fMRI inhibition task. *Journal of Neuroscience* 34(43):14260-71.

2013

1. **Barra J**, Pérennou D. Is the sense of verticality vestibular? (2013) *Neurophysiol Clin.* 2013 Jun;43(3):197-204. doi: 10.1016/j.neucli.2013.02.001. Epub 2013 Mar 14. Review. French.
2. **Fayel*, A., Chokron, S., Cavézian, C., Vergilino-Perez, D., Lemoine, C. & Doré-Mazars,K.** (2013). Characteristics of contralesional and ipsilesional saccades in hemianopic patients. *Experimental Brain Research.* Epub 2013 Dec 24. DOI 10.1007 / s00221-013-3803-y.
3. **Godard, O**, Baudouin, JY, Bonnet, P, **Fiori, N.** (2013) Identity-expression interaction in face perception: sex, visual field, and psychophysical factors. *Laterality.* 2013;18(5):594-611. doi: 10.1080/1357650X.2012.734312. Epub 2012 Nov 19.
4. **Godard, O**, Leleu A, Rebaï, M., **Fiori, N.** (2013) Sex differences in interhemispheric communication during face identity encoding: evidence from ERPs. *Neurosci Res.,* May-Jun;76(1-2):58-66. doi: 10.1016/j.neures.2013.03.005. Epub 2013 Mar 21.
5. Gan, G., Büchel, C., & **Isel, F.** (2013). Effect of language task demands on the neural response during lexical access: a functional magnetic resonance imaging study. *Brain and Behavior,* 3 (4), 402-416.DOI: 10.1002/brb3.133
6. **Legrand*, A, Doré-Mazars, K**, Lazzareschi, J, **Lemoine, C**, Olivier, I, **Barra, J**, Bucci, MP. (2013).Differing effects of prosaccades and antisaccades on postural stability.*Exp Brain Res.* 2013 Jun;227(3):397-405. doi: 10.1007/s00221-013-3519-z. Epub 2013 May 7.
7. Luo, Y, **Shen*, WL**, Zhang Y, Feng TY, Huang H, Li H. (2013). Core Disgust and Moral Disgust are Related to Distinct Spatiotemporal Patterns of Neural Processing: an Event-Related Potential Study. *Biological Psychology:* 94(2), 242-248.
8. Morange-Majoux, F., **Lemoine, C.** & Dellatolas, G. (2013). Early manifestations of manual specialization in infants: A longitudinal study from 20 to 30 weeks, *Laterality.* 2013;18(2):231-50. doi: 10.1080/1357650X.2012.660163. Epub 2012 Jun
9. **New, B.,** & Spinelli, E. (2013). Diphones-fr: a French database of diphone positional frequency. *Behav Res Methods.* 2013 Sep;45(3):758-64. doi: 10.3758/s13428-012-0285-y.
10. Panouillères M, **Alahyane N**, Urquizar C, Salemme R, Noghoghossian N, Gaymard B, Tilikete C, Péisson D (2013). Effects of structural and functional cerebellar lesions on sensorimotor adaptation of saccades. *Exp Brain Res.* 2013 Nov; 231(1):1-11. doi: 10.1007/s00221-013-3662-6.
11. Plancher, G, **Barra, J**, Orriols, E, Piolino, P. (2013) The influence of action on episodic memory: A virtual reality study. *Q J Exp Psychol (Hove).* 2013;66(5):895-909. doi: 10.1080/17470218.2012.722657. Epub 2012 Oct 2
12. **Shen*, WL**, Vaissière, J, **Isel, F.** (2013). Acoustic Correlates of Contrastive Stress in Compound Words versus Verbal Phrase in Mandarin Chinese. *Computational Linguistics and Chinese Language Processing:* 18(3), 45-58.

2012

1. Auclair L, **Barra J**, Raibaut P. Where are my hands? Influence of limb posture on tactile extinction. (2012). *Neuropsychology.* 2012, May;26(3):323-33.doi: 10.1037/a0027994.
2. **Barra J**, Laou L, Poline J.B, Lebihan D, Berthoz A. Does an oblique/slanted perspective during virtual navigation engage both egocentric and allocentric brain strategies? *PlosOne,* 2012, Nov;7(11): e49537. doi: 10.1371/journal.pone.0049537
3. **Barra, J**, Pérennou, D, Thilo, KV, Gresty, MA, Bronstein, AM. The awareness of body orientation modulates the perception of visual vertical. *Neuropsychologia.* 2012, Aug;50(10):2492-8.
4. Brysbaert, M, **New, B.,** & Keuleers, E. (2012). Adding Part-of-Speech information to the SUBTLEX-US word frequencies. *Behavior Research Methods.* 44(4):991-7.doi: 10.3758/s13428-012-0190-4.
5. Cameron, IG, Pari, G, **Alahyane, N**, Brien, DC, Coe, BC, Stroman, PW, Munoz, DP (2012). Impaired executive function signals in motor brain regions in Parkinson's disease. *Neuroimage.* 2012 Apr 2;60(2):1156-70. doi:

- 10.1016/j.neuroimage.2012.01.057.
6. Derouesné C, Lacomblez L, **Fiori N**, Gély-Nargeot MC, Bungener C.(2012) Apathy in frontotemporal dementia and Alzheimer's disease: are there distinct profiles?. *Geriatr Psychol Neuropsychiatr Vieil*. 2012 Mar;10(1):107-15. doi: 10.1684/pnv.2012.0315.
 7. Dubuisson* JB, **Fiori N**, Nicolas S. (2012) Repetition and spacing effects on true and false recognition in the DRM paradigm. *Scand J Psychol*. 2012 Oct;53(5):382-9. doi: 10.1111/j.1467-9450.2012.00963.x. Epub 2012 Jul 26.
 8. Godard* O, **Fiori N**. (2012). Sex and hemispheric differences in facial invariants extraction. *Laterality*. 2012;17(2):202-16. doi: 10.1080/1357650X.2011.556641. Epub 2011 Jul 4.
 9. Hakvoort Schwerdtfeger, RM, **Alahyane, N**, Brien, D, Coe, B, Stroman, PW, Munoz, DP (2012). Preparatory neural networks are impaired in adults with attention-deficit / hyperactivity disorder during the antisaccade task. *Neuroimage Clin*. 2012 Nov 2;2:63-78. doi: 10.1016/j.nicl.2012.10.006.
 10. Lavergne*, L., **Doré-Mazars, K.**, Lappe, M., **Lemoine ,C.** & **Vergilino-Perez, D.** (2012). Peri-saccadic compression in two-saccade sequences. *Journal of Vision*. 12(6). 1-13. pii: 6. doi: 10.1167/12.6.6.
 11. **Legrand***, A., Bui-Quoc, E., **Bucci, MP**. (2012). Re-alignment of the eyes, with prisms and with eye surgery, affects postural stability differently in children with strabismus. *Graefes Arch ClinExpOphthalmol*. 2012 Jun;250(6):849-55. doi: 10.1007/s00417-011-1845-z. Epub 2011 Oct 28
 12. **Legrand***, A., Bui-Quoc, E., **Doré-Mazars, K.**, **Lemoine, C.**, Gérard, C-L., & **Bucci M-P**. (2012). Effect of a Dual Task on Postural Control in Dyslexic Children. *PLoSOne*, 7(4): e35301. doi:10.1371/journal.pone.0035301. Epub 2012 Apr 16.
 13. **Mersad, K.**, & Nazzi, T. (2012). When Mommy comes to the rescue of statistics : Infants combine top-down and bottom-up cues to segment speech. *Language Learning & Development*, 8, 303-315.
 14. **Senot P**, Zago M, Le Séac'h A, Zaoui M, Berthoz A, Lacquaniti F, McIntyre J (2012) When Up Is Down in 0g: How Gravity Sensing Affects the Timing of Interceptive Actions. *J Neurosci*. 2012 Feb 8;32(6):1969-73. doi: 10.1523/JNEUROSCI.3886-11.2012.
 15. **Vergilino-Perez, D.**, **Lemoine, C.**, Siéroff, E., Ergis, A-M. & **Doré-Mazars, K.** (2012). The role of saccade preparation in lateralized word recognition: evidence for the attentional bias theory. *Neuropsychologia*. 2012 Oct; 50(12):2796-804. doi: 10.1016/j.neuropsychologia.2012.07.039.
 16. **Vergilino-Perez, D.**, **Fayel*, A.**, **Lemoine, C.**, **Senot, P.**, Vergne, J. & **Doré-Mazars, K.** (2012). Are there any left-right asymmetries in saccade parameters ? Examination of latency, gain and peak of velocity. *Invest Ophthalmol Vis Sci*. 2012 Jun 5;53(7):3340-8. doi: 10.1167/iovs.11-9273.

2011

1. **Bucci, M-P.**, Kapoula, Z., Bui-Quoc, E., Bouet, A. & Wiener-Vacher, S. (2011). Saccades and vergence performance in a population of children with vertigo and clinically assessed abnormal vergence capabilities. *PlosOne*. 6(8):e23125.
2. Brysbaert, M., Keuleers, E., & **New, B.**, (2011) Assessing the usefulness of google books' word frequencies for psycholinguistic research on word processing. *Frontiers in Language Sciences*. 42(3):643-50. 2,27. doi: 10.3389/fpsyg.2011.00027
3. **Doré-Mazars, K.**, **Vergilino-Perez, D.**, **Lemoine, C.** & **Bucci, M-P.** (2011). Adaptation of reactive saccades in normal children. *Invest Ophthalmol Vis Sci*. 2011 Jul 1;52(7):4813-8. doi: 10.1167/iovs.10-6626.
4. Ferrand, L., Brysbaert, M., Keuleers, E., **New, B.**, Bonin, P., Méot, A., Augustinova, M., & Pallier, C. (2011). Comparing word processing times in naming, lexical decision, and progressive demasking: Evidence from Chronolex. *Frontiers in Psychology*, 2:306. doi:10.3389/fpsyg.2011.00306.
5. **Isel, F.**, & **Shen*, W.** (2011). Modulation of semantic integration as a function of syntactic expectations: ERP evidence. *Neuroreport*, 22, 195-199.
6. Jainta, S., **Bucci, M-P.**, Wiener-Vacher, S. & Kapoula, Z. (2011). Changes in vergence dynamics due to repetition. *Vision Research*, 51(16), 1845-52.
7. Kail, M., Kihilstedt, M. & **Bonnet, P.** (2011). On-line sentence processing in Swedish : cross-linguistic developmental comparisons with French. *Journal of Child Language*, 38, 1-33.
8. Kapoula, Z., Matheron, E., Bonnet, A., Bourtoire, P., & **Bucci, M-P.** (2011). Postural control during the Stroop test in dyslexic and non dyslexic teenagers. *PlosOne*, 6(4).
9. Keuleers, E., Brysbaert, M. & **New, B.** (2011) Assessing the usefulness of google books' word frequencies for psycholinguistic research on word processing. *Frontiers in Language Sciences*. 2,27. doi: 10.3389/fpsyg.2011.00027
10. **Lavergne*, L.**, **Vergilino-Perez, D.**, **Lemoine, C.**, Collins, T. & **Doré-Mazars, K.** (2011). Exploring and targeting saccades dissociated by saccadic adaptation. *Brain Res*. 2011 Sep 30;1415:47-55. doi: 10.1016/j.brainres.2011.07.029.
11. **Legrand* A.**, Bui-Quoc, E., Wiener-Vacher, S., Lebas, N., Ribot, J., Milleret ,C. & **Bucci, M-P.** (2011). Postural control in children with strabismus: effect of eye surgery. *Neuroscience Letters*, 501(2), 96-101.
12. Madelain L, **Paeye C**, Wallman J. (2011). Modification of saccadic gain by reinforcement. *J Neurophysiol*. 2011 Jul;106(1):219-32. doi: 10.1152/jn.01094.2009. Epub 2011 Apr 27.
13. Madelain L, **Paeye C**, Darcheville JC. (2011). Operant control of human eye movements. *Behav Processes*. 2011 May;87(1):142-8. doi: 10.1016/j.beproc.2011.02.009. Epub 2011 Feb 24. Review.
14. **Mersad K**, Nazzi T. (2011). Transitional probabilities and positional frequency phonotactics in a hierarchical model

- of speech segmentation. *Mem Cognit*. 2011 Aug;39(6):1085-93. doi: 10.3758/s13421-011-0074-3.
15. **New, B.**, & Grainger, J. (2011). On The Letter Frequency Effect. *Acta Psychologica*, 138(2), 322-328.
 16. **Paeye C**, Madelain L. (2011). Reinforcing saccadic amplitude variability. *J Exp Anal Behav*. 2011 Mar;95(2):149-62. doi: 10.1901/jeab.2011.95-149.
 17. Pisella, L, **Alahyane, N**, Blangero, A, Thery, F, Blanc, S, Pelisson, D (2011). Right-hemispheric dominance for visual remapping in humans. *Philos Trans R Soc Lond B Biol Sci*. 2011 Feb 27;366(1564):572-85. doi: 10.1098/rstb.2010.0258. Review.
 18. **Senot, P**, D'Ausilio A, Franca M, Caselli L, Craighero L, Fadiga L (2011) Effect of weight-related labels on corticospinal excitability during observation of grasping: a TMS study. *Exp Brain Res* 211:161–167.

2010

1. Alaerts, K., **Senot, P.**, Swinnen, SP., Craighero, L., Wenderoth, N. & Fadiga, L. (2010). Force requirements of observed object lifting are encoded by the observer's motor system: a TMS study. *European Journal of Neuroscience*, 31, 1144-53. [IF :3.789]
2. Collins*, T. & **Doré-Mazars, K.** (2010). La plasticité de la transformation sensori-motrice dans le système visuel : l'adaptation saccadique. *L'Année Psychologique*, 109, 509-549. [I.F 0.224]
3. Ferrand, L., **New, B.**, Brysbaert, M., Keuleers, E., Bonin, P., Méot, A., Augustinova, M., & Pallier, C. (2010). The French Lexicon Project : Lexical decision data for 38,840 French words and 38,840 pseudowords. *Behavior Research Methods*, 42 (2), 488-496. [IF=2.9].
4. Godard*, O. & **Fiori, N.** (2010). Sex differences in face processing: are women less lateralized and faster than men ? *Brain and Cognition*, 73, 167-175 [I.F 2.547]
5. **Isel F**, Baumgaertner A, Thrän J, Meisel JM, Büchel C.(2010) Neural circuitry of the bilingual mental lexicon: effect of age of second language acquisition. *Brain & Cognition* ;72(2):169-80.doi: 10.1016/j.bandc.2009.07.008.
6. Keuleers, E., Brysbaert, M. & **New, B.**, (2010). Sublex-nl : A new frequency measure for dutch words based on film subtitles. *Behavior Research Methods*, 42, 643-650. [IF=2.9].
7. **Lavergne*, L.**, **Vergilino-Perez, D.**, Collins, T. & **Doré-Mazars, K.** (2010). Saccadic adaptation can be induced by changing stimulus size. *Experimental Brain Research*, 203(4), 773-780 [I.F 2.256]
8. **Lavergne*, L.**, **Vergilino-Perez, D.**, Lappe, M. & **Doré-Mazars, K.** (2010). The spatial pattern of peri-saccadic compression for small saccades. *Journal of Vision*. 10(14):17, 1-12. [I.F 3.022]
9. Le Seac'h, A.B., **Senot, P.**, & McIntyre, J. (2010). Egocentric and allocentric reference frames for catching a falling object. *Experimental Brain Research*, 201, 653-62. [IF : 2,256]Yang, Q., Kapoula, Z., Vernet, M., Bucci, M-P. (2010). Binocular coordination during smooth pursuit in dyslexia : a multiple case study. *Journal of Eye Movement Research*. 3(3):2,1-8.
10. Viaux-Savelon, S., Rabain, D., Aidane, E., **Bonnet, P.**, Montes de Oca, M., Camon-Sénéchal, L., David, M., Couetoux, F., Wendland, J., Gérardin, P., Mazet, P., Guedeney, A., Keren, M. & Cohen, D. (2010). Phenomenology, psychopathology, and short-term therapeutic outcome of 102 infants aged 0 to 12 months consecutively referred to a community-based 0 to 3 mental health clinic. *Infant Mental Health Journal*, 31(2), 121-253.

2009

1. Brysbaert, M. & **New, B.** (2009) Moving beyond Kucera and Francis : A Critical Evaluation of Current Word Frequency Norms and the Introduction of a New and Improved Word Frequency Measure for American English. *Behavior Research Methods*, 41 (4), 977-990. [IF=2.9].
2. Collins, T., Heed, T., **Doré-Mazars, K.** & Röder, B. (2009). Presaccadic attention interferes with feature detection. *Experimental Brain Research*. 201(1), 111-117. [I.F 2.256]
3. Guillaume, C., Guillory-Girard, B., Chaby, L., Lebreton, K., Hugueville, L., Eustache, F. & **Fiori, N.** (2009). The time course of repetition effects for familiar faces and objects : an ERP study. *Brain Research*. 1248, 149-161. [I.F 2.463]
4. Iakimova, G., Passerieu, C., Foynard, M., **Fiori, N.**, Besche, C., Laurent, J-P. & Hardy-Baylé, M-C. (2009). Behavioral measures and event-related potentials reveal different aspects of sentence processing and comprehension in patients with major depression. *Journal of Affective Disorders*, 113(1-2), 188-94. [I.F 3.763]
5. Hickmann, M., Taranne, P. & **Bonnet, P.** (2009). Motion in first language acquisition: Manner and Path in French and English child language. *Journal of Child Language*, 36, 705-741.
6. Pynte, J., **New, B.**, & Kennedy, A. (2009) On-line contextual influences during reading normal text : The role of nouns, verbs and adjectives. *Vision Research*, 49, 544-552. [IF=2.3].
7. Pynte, J., **New, B.**, & Kennedy, A. (2009) On-line syntactic and semantic influences in reading revisited. *Journal of Eye-Movement Research*, 3 (1), 1-12.
8. **Bucci, M-P.**, Brémont-Gignac, D., & Kapoula, Z. (2009). Speed-accuracy of saccades, vergence and combined eye movements in subjects with strabismus before and after eye surgery. *Vision Research*, 49,460-469. [I.F 2.288]
9. **Bucci, M-P.**, Le TT, Wiener-Vacher, S., Brémont-Gignac, D., & Kapoula, Z. (2009). Poor postural stability in

- children with vertigo and vergence abnormalities. *Investigative Ophthalmology and Visual Science*, 50(10), 4678-4684 [I.F 3.431]
10. **Bucci, M-P.**, Vernet, M., Gerard, C. & Kapoula, Z. (2009). Normal speed and accuracy of saccades, vergence and combined saccades vergence movements in dyslexic children. *Journal of Ophthalmology*. doi: 10.1155/2009/325214
 11. Kapoula, Z., **Bucci, M-P.**, Ganem, R., Poncet, S., Daunys, G.. & Brémont-Gignac, D. (2009). Free exploration of painting uncovers particular loose yoking of saccades in dyslexics. *Dyslexia*, 15(3), 243-259. [I.F 1.176]
 12. Kapoula, Z., Vernet, M., Yang, Q., & **Bucci, M-P.** (2009). Binocular coordination of saccades: development, aging and cerebral substrate. *Journal of Eye Movement Research*.
 13. Miertsch, B., Meisel, J. M., & **Isel, F.** (2009). Non-treated languages in aphasia-therapy of polyglots benefit from improvement in the treated language. *Journal of Neurolinguistics*. 22, 135-150. [I.F : 1.813]
 14. Zago, M., McIntyre, J., **Senot, P.**, & Lacquaniti F. (2009) Visuo-motor coordination and internal models for object interception. *Experimental Brain Research*, 192, 571-604. [I.F : 2,256]

2008

1. Collins*, T., Semroud, A., Orriols, E. & **Doré-Mazars, K.** (2008). Saccade dynamics before, during and after saccadic adaptation in humans. *Investigative Ophthalmology and Visual Science*, 49 (2), 604-612. [I.F 3.431]
2. Collins*, T., **Vergilino-Perez, D.**, Delisle, L. & **Doré-Mazars, K.** (2008). Visual versus motor vector inversions in the antisaccade task: A behavioral investigation with saccadic adaptation. *Journal of Neurophysiology*, 99, 2708-2718. [I.F 3.483]
3. Ferrand, L., Bonin, P., Méot, A., Augustinova, M., **New, B.**, Pallier, C., & Brysbaert, M. (2008). Age of acquisition and subjective frequency estimates for all generally known monosyllabic French words and their relation with other psycholinguistic variables. *Behavior Research Methods*, 40(4), 1049-1054. [I.F=2.9].
4. Golouboff*, N., **Fiori, N.**, Delalande, O., Fohlen, M., Dellatolas, G. & Jambaqué, I. (2008). Impaired facial expression recognition in children with temporal lobe epilepsy : impact of early seizure onset on fear recognition. *Neuropsychologia*, 46(5), 1415-28. [I.F 4.345]
5. **Lavergne*, L.**, **Vergilino-Perez, D.**, Collins, T., Orriols, E. & **Doré-Mazars, K.** (2008). The planning of a sequence of saccades in pro- and anti-saccade tasks: influence of visual integration time and concurrent motor processing. *Brain Research*, 1245, 82-95. [I.F 2.463]
6. **New, B.**, Araujo, V. & Nazzi, T. (2008) Differential processing of consonants and vowels in lexical access through reading. *Psychological Science*, 19(12), 1223-1227. [I.F=5.1].
7. Pynte, J., **New, B.**, & Kennedy, A. (2008). A multiple regression analysis of syntactic and semantic influences during normal reading. *Journal of Eye-Movement Research*, 2 (1), 1-11.
8. Pynte, J. **New, B.**, & Kennedy, A. (2008) On-line contextual influences during reading normal text : a multiple-regression analysis. *Vision Research*, 48(21), 2172-2183. [I.F=2.3].
9. Streri, A., **Lemoine, C.**, & Devouche, E. (2008). Development of inter-manual transfer of shape information in infancy. *Developmental Psychobiology*, Vol 50(1), 70-76. [I.F 2.119]
10. **Bucci, M-P.**, Brémont-Gignac, D. & Kapoula, Z. (2008).Latency of saccades and vergence eye movements in dyslexic children. *Experimental. Brain Research*, 188(1), 1-12, 2008. [I.F 2.256]
11. **Bucci, M-P.**, Kapoula, Z. & Brémont-Gignac, D. (2008) Poor binocular coordination of saccades in dyslexic children. *Graefe's Archive for Clinical and Experimental Ophthalmology* 246(3), 417-428, 2008. [I.F 2.102]
12. **Senot, P.**, Baillet, S., Renault, B. & Berthoz, A. (2008). Cortical Dynamics of Anticipatory Mechanisms in Interception: A Neuromagnetic Study. *Journal of Cognitive Neuroscience*, 20, 1827-38.[I.F :6.658]
13. Zago, M., McIntyre, J., **Senot, P.** & Lacquaniti, F. (2008). Internal models and prediction of visual gravitational motion. *Vision Research*, 48, 1532-8. [I.F : 2,288]

2007

1. Collins*, T., **Doré-Mazars, K.** & Lappe, M. (2007). Motor space structures perceptual space: Evidence from human saccadic adaptation. *Brain Research*, 1172, 32-39. [I.F 2.463]
2. Collins*, T., **Vergilino-Perez, D.**, Beauvillain, C. & **Doré-Mazars K.** (2007). Saccadic adaptation depends on object selection: evidence from between- and within-object saccadic eye movements, *Brain Research*, 1152, 95-105. [I.F 2.463]
3. Nazzi, T. & **New, B.** (2007). Beyond stop consonants: Consonantal specificity in early language acquisition. *Cognitive Development*, 22(2), 271-279.[I.F=1.6].
4. **New, B.**, Brysbaert, M., Veronis, J., & Pallier, C. (2007). The use of film subtitles to estimate word frequencies. *Applied Psycholinguistics*, 28(4), 661-677. [I.F=1.2].
5. **Isel, F.** (2007). Syntactic and referential processes in second-language learners: event-related brain potential evidence. *Neuroreport*, 18, 1885-1889. [I.F : 1.822]
6. **Isel, F.**, Hahne, A., Maess, B., & Friederici, A. D. (2007). Neurodynamics of sentence interpretation: ERP evidence

- from French. *Biological Psychology*, 74, 337-346. [I.F : 3.348]
7. Kapoula, Z. & **Bucci, M-P.** (2007) Postural control in dyslexic and non-dyslexic children. *Journal of Neurology*, 254(9), 1174-1183, 2007. [I.F 2.903]
 8. Kapoula, Z., **Bucci, M-P.**, Jurion, F., Ayoun J., Afkhami, F & Brémond-Gignac, D. (2007). Evidence for frequent divergence impairment in French dyslexic children: deficit of convergence relaxation or of divergence per se? *Graefe's Archive for Clinical and Experimental Ophthalmology* 245(7), 931-936, 2007. [I.F 2.102]
 9. Yang, Q., Jurion, F., **Bucci, M-P.**, Lucek, A., Wiener-Vacher, S., Brémond-Gignac, D., Orssaud, C. & Kapoula, Z. (2007). Six adult cases with a pseudo-vestibular syndrome related to vergence abnormalities. *Neuro-Ophthalmology*. 31, 1-12, 2007. [I.F 0.161]

2006

1. **Bucci, M-P** & Kapoula, Z. (2006). Binocular coordination of saccades in 7 years old children in single word reading and target fixation. *Vision Research*, 46, 457-466. [I.F 2.288]
2. **Bucci, M-P**, Kapoula, Z, Yang, Q & Brémond-Gignac, D. (2006). Latency of saccades, vergence and combined movements in children with early onset convergent or divergent strabismus. *Vision Research*, 46, 1384-1392. [I.F 2.288]
3. **Bucci, M-P**, Kapoula, Z, Yang, Q, Bremond-Gignac, D. & Wiener-Vacher, S. (2006). Binocular coordination of saccades in children with vertigo: dependency on the vergence state. *Vision Research*, 46, 3594-3602. [I.F 2.288]
4. Caharel, S., **Fiori N.**, Bernard, C., Lalonde, R., Rebaï, M. (2006). The effects of inversion and eye displacements of familiar and unknown faces on early and late-stages ERPs. *International Journal of Psychophysiology*, 62 : 141-151. [I.F 3.045]
5. Collins*, T., & **Doré-Mazars, K.** (2006). Eye movement signals influence perception: Evidence from the adaptation of reactive and volitional saccades. *Vision Research*, 46, 3659-3673. [I.F 2.288]
6. Collins*, T., **Doré-Mazars, K.**, & **Vergilino-Perez, D.** (2006). Deux populations de refixations lors de la lecture de mots longs. *L'Année Psychologique*, 106, 5-22. [I.F 0.224]
7. **Doré-Mazars, K.**, **Vergilino-Perez, D.**, Collins*, T., Bohacova, K., & Beauvillain, C. (2006). The use of recurrent signals about adaptation for subsequent saccade programming depends on object structure, *Brain Research*, 1113, 153-162. [I.F 2.463]
8. Fagard, J., & **Lemoine, C.** (2006). The role of imitation in the stabilization of handedness during infancy. *Journal of Integrative Neuroscience*, 5(4), 519-533. [I.F 1.294]
9. Gallay, M., Baudouin, J.-Y., Durand, K., **Lemoine, C.**, & Lecuyer, R. (2006). Qualitative differences in the exploration of upright and upside-down faces in four-month-old infants: An eye-movement study. *Child Development*, 77, 984-996. [I.F 3.631] McDonald,S. A. & Vergilino-Perez, D. (2006). Estimating the proportion of preplanned refixations in natural reading using Monte-Carlo simulations. *Visual Cognition*. 13(1), 109-118. [I.F 1.484]
10. **Vergilino-Perez, D.** & Findlay, J.M. (2006). Between-object and within-object saccade programming in a visual search task. *Vision Research*, 46(14), 2204-2216. [I.F 2.288]

Tagu,J., Doré-Mazars, K., Vergne, J., Lemoine-Lardennois, C., & Vergilino-Perez,D. (2018). Recentering bias for temporal saccades only: Evidence from binocularrecordings of eye movements. *Journal of Vision*, 18(1):10, 1–16,doi:10.1167/18.1.10.

Milisavljevic, A., Le Bras, T., Petermann, C., Mancas,M., Gosselin, B. and Doré-Mazars, K.(2017). A dynamic approach of searching behaviour in webpages. 41th European Conference on Visual Perception,26-30 August 2018, Trieste, Italy