

Christophe Pallier

Born on 15/02/1968 in Villiers-le-bel. French.

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CURRENT POSITION

Senior Research Scientist (Directeur de recherches DR1)
Centre National de la Recherche Scientifique — Section 26 *Cerveau, Cognition, Comportement*
Team leader — “Languages of the Brain”, INSERM-CEA Cognitive Neuroimaging Unit, Neurospin center.

EDUCATION

2009 Habilitation à diriger des recherches, Université Pierre et Marie Curie Paris 6.
1994 Doctorat en Sciences Cognitives, [École des hautes études en sciences sociales](#), Paris.
1990 Diplôme d’Ingénieur de l’[Ecole polytechnique](#) (Majors: Physics & Computer Science), Palaiseau, France.

PROFESSIONAL EXPERIENCES

2002- Research scientist, [INSERM-CEA Cognitive Neuroimaging Unit](#), Orsay and Saclay
1998-01 Research Scientist, [Laboratoire de Sciences Cognitives et Psycholinguistique](#), Paris
1997 Post-doc, [Max Planck Institute for Psycholinguistics](#), Nijmegen, Holland
1996 Post-doc, [Rutgers Center for Cognitive Science](#), New Jersey, USA.
1994-95 Post-doc, Dept. of Experimental Psychology, [University of Barcelona](#), Spain

COMMITTEE WORK AND SERVICE ACTIVITIES

2016-21 Member of the INSERM Commission Scientifique Spécialisée “Neurosciences” (CSS4).
2017-29-21 Member of an ERC Consolidator grant evaluation panel (SH4 ‘The Mind and its complexity’)
2013-16 Member of the Piloting committee of the IDEX NeuroSaclay.
2009-15 Member of the Scientific Advisory Board of Barcelona Media
2008-17 Member of the direction committee of Neurospin. Head of the “stimulation” team.
2004- Member of the teaching committee of the Master in Cognitive Science, EHESS-ENS
2000-08 Member of the piloting committee of the Institut Fédératif de Recherche “Imagerie Neurofonctionnelle”

GRANTS AND CONTRACTS

2017- NSF-ANR “Neurocomputational models of natural language processing” (PI: Pallier & Hale; 600kE)
2014-16 Human Brain Project (WP leader; 40keuros)
2011-15 ANR Blanche “Neural Bases of Constituents Structures” (PI: Pallier, 600kE).
2005-08 EU STREP “Neural origins of language and communication” (role: WP Leader; 1600kE for 5 labs)
2001-04 ACI Blanche “Neural plasticity and language acquisition” (135 kE; PI: C. Pallier).
1997 Scholarship of the Société de secours des amis des sciences (not used)
1997 Scholarship of the Fondation de France (not used)
1996 Post doctoral grant from Fyssen Foundation
1995 Lavoisier grant from the French Ministry of Foreign Affairs.

MAIN ACHIEVEMENTS

Here is a list of my main scientific discoveries:

- Listeners use language-specific constraints, and in particular the syllabic structure of their language, to parse the speech signal (Pallier et al. 1993; Dupoux et al. 1999, 2001).
- Early and intensive exposure to a second language does not guarantee attainment of native-like perception (Pallier et al. 1997, Pallier et al. 2001)
- Early and intensive exposure to a language does not guarantee stable and irreversible learning: on the contrary, a first language can be mostly forgotten as studies on adoptees attest (Pallier et al. 2003, Ventureyra et al. 2004)
- Using stimuli that can be perceived either as noise or as speech, and subliminal auditory priming, we highlighted brain regions involved in speech perception (Dehaene-Lambertz et al. 2005, Kouider et al. 2010)
- Contrasting French and Japanese, we highlighted the brain regions involved in phonological processing (Jacquemot et al. 2003)
- "Good" and "bad" learners of foreign language show different brain responses and have detectable differences in brain structures (Chee et al. 2004; Golestani et al. 2007, Sebastian-Galles et al. 2012)
- The volume of the Heschl gyrus (auditory cortex) is 20% larger in bilinguals than in monolinguals (Ressel et al. 2012).
- Our work on the neural bases of syntactic representations (Devauchelle et al. 2009, Pallier et al. 2011, Pattamadilok et al. 2015), has highlighted the role of the posterior superior temporal sulcus and the inferior frontal region in constituent structure building during language comprehension.

TEACHING

Current recurrent teaching (2015–now):

- ([Programming for Cognitive and Brain Sciences](#) (40h/y), Master de Sciences Cognitives, ENS, Paris
- Neuroimaging methods (20h/y), Master Brain and Cognition, University Pompeu Fabra, Barcelona
- Attrition du langage et périodes critiques (3h/an), DU Bilinguisme, Univ. Paris 5.

Invited lectures abroad:

- UCLA, Neurobiology of Language, 10h in 2012
- University of the Basque Country, Neurobiology of Bilingualism, 20h, in 2012.
- University of Barcelona, 20h/y, in 2008, 2010 & 2011

Since 1995, I evaluate to an average of 40hours/year my teaching load. I have created several lectures modules, e.g.: Experimental Methodology, Statistical Analysis of Experimental Data, Programming in R, Programming in Python (Master EHESS-ENS), Neuroimaging of Language (U. Barcelona), Introduction to Cognitive Psychology (Ecole Normale Supérieure, Paris, HEC).

STUDENTS SUPERVISION

Trainees (with their current position when known): Charlotte Jacquemot (CR CNRS), Vincent de Gardelle (CR CNRS), Ylan Boureau (Facebook labs in NY), Jean-Remy Hochmann (CR CNRS), Volker Ressel (post-doc Zurich), Anne Osdoit (private sector), Jamilah Andoh (researcher in Germany), Sandy Sangrigoli, Begonia Diaz (associate professor), Catherine Oppenheim (PU-PH), Amaia Carrion (Phd), Sophie Gallot (phd), Yun-Chung Lio, Yihui Hung (post-doc at Yale), Claire Chang (post-doc at Princeton), Yi-chen Lin (phd).

Ph.D. directed: Valérie Ventureyra (2005), Anne-Dominique Devauchelle (2008), Elodie Cauvet (2012), Valentina Borghesani (2017), Murielle Fabre (2017), Martin Perez-Guevara (2017), Alexandre Pasquiou (en cours)

Postdocs: Narly Golestani (McGill U., now professor in Geneva), Kepa Erdocia (Univ. of Basque Country, now associate prof in Spain), Nobuko Hara (Tokyo U., private sector), Asaf Bachrach (MIT, Now CR CNRS), Chotiga Pattamadilok (ULB, now CR CNRS), Doug Bemis (NYU, now at Uber), Corinne Jola (U. Zurich, now lecturer in UK).

DIFFUSION OF SCIENTIFIC KNOWLEDGE (not exhaustive)

2019: Conférence “Cerveau et apprentissage des langues” à l’Ecole des ponts et chaussées pour l’association ‘ ‘Cordées de La ré
2016: Conference for the general public “Cerveau et langage” Lycée Louis-le-Grand
2015: Interview and help in preparing the TV program “Jouer avec votre cerveau” (Cymes/Nagui France 2)
2015: Guest of the radio program “Le Sens des Choses” on France Culture (1h; Jacques Attali)
2012: Bar des Sciences “Cerveau et Langage”, INSERM Villejuif
2012: Conference for the general public, invited by “Le Jardin des sciences”, Strasbourg.
2010: Guest for the “Journée Astro, Nano, Cerveau” Cité de Sciences et de L’industrie.
2010: Conference for the general public CYCLOPE CEA
2009: Aide à la préparation de l’exposition “La fabrique des images”, Musée du Quai Branly

EXAMINER FOR PH.D. THESES, HABILITATIONS...

PhD: Goulven Josse (2003, Univ. Caen), Glaire Grataloup (2007, Univ. Lyon 2), Begonia Diaz (2008, Univ. Barcelona), Abeba Roessler (2012, Univ. Barcelona), Anna Basora (2015, U. Pompeu Fabra), Dashiell Munding (2015, Aix-Marseille), Florence Bouhali (2017, UPMC), Adriana Guevara (2018, ENS), Lorna Le Stanc (2019, ENS)
Katarzyna Siuda-Krzywicka (2019, ICM)
HDR: Barbara Köpke (2009, Univ. Toulouse 3) , Boris New (2010, Univ. Paris 5), Judith Gervain (2014, Univ. Paris 5)

AD HOC REVIEWING FOR JOURNALS

Science, Proceedings of National Academy of Sciences, Neuron, Neuroimage, Neuropsychologia, Journal of Cognitive Neuroscience, Journal of Neurolinguistics, Cognition, Psychological Science, Journal of Memory and Language, Language and Speech, Applied Psycholinguistics, Behavior Research Methods, Language and Cognitive Processes, Journal of Experimental Psychology; Human Perception and Performance, Journal of the International Neuropsychological Society, Bilingualism: Language and Cognition, ...

SOFTWARE AND DATABASES

- Lexique: a lexical database of French. <http://www.lexique.org> <https://chrplr.github.io/openlexicon/>
- French Lexicon Project: lexical decision times on 40000 french words
- Expe: a psychology experiment generator under DOS (used for 15 years in several labs)

AD HOC REVIEWING FOR GRANTING AGENCIES

Canadian Social Sciences and Humanities Research Council (SSHRC), American National Science Foundation (NSF), Israel Science Foundation (ISF), Spanish National Evaluation and Foresight Agency (ANEP), French National Research Agency (ANR), Région Rhône-Alpes.

Oral presentations in Conferences, Colloquia or Workshops (not exhaustive)

1. 2021/07 Invited speaker, Confernece “The representation of language in brains and machines”, College de France.
2. 2021/06 Keynote Speaker, International Conference on Language Cognitive Science, Beijing.
3. 2020/02 Keynote Speaker, International Conference on Language Cognitive Science, Warsaw.
4. 2018/12 Guest speaker at the Basque center on cognition, brain and language, colloquium series, Spain.
5. 2018/06 Invited Speaker, Conference of the LA School for Education, Cognitive and Neural Sciences, Chile.
6. 2017/11 Workshop ”Integrating subcortical structures in the language network”, ENS Ulm, Paris.
7. 2017/03 International Congress of Psychological Sciences, Vienna, Austria.
8. 2015/10 Guest speaker, Sylvius Lectures, Leiden University, Holland.

9. 2015/09 56ème Congrès de la Société Française de Psychologie, Strasbourg.
10. 2015/03 Guest speaker at the Max Planck Institute for Psycholinguistics Colloquium Series, Nijmegen, Holland.
11. 2014/04 The Syntax of Mind: An International Conference, Vienna, Austria.
12. 2013/05 Guest speaker at the Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig; Germany
13. 2012/09 Conference “International Symposium on Biolinguistics”, Catalan Institution for Research & Advanced Studies (ICREA), Barcelona, Spain.
14. 2012/11 Conference RALFe (Rencontres d’Automne de Linguistique formelle), Saint-Denis. (keynote speaker)
15. 2011/09 Conference AMLAP (Architectures & Mechanisms for Language Processing), Paris (keynote speaker)
16. 2010/09 Symposium on Mega-studies at the 52e congrès de la Société Française de Psychologie, Lille.
17. 2009/03 Workshop on “Syntactic Priming and Repetition Suppression” at the Max Planck Institute for Psycholinguistics , Nijmegen, Holland.
18. 2008/06 Conference “Language, Mind & Brain: Mechanisms of Learning critical periods & Brain Plasticity”, McGill University, Canada.
19. 2008/03 Conference “The Neurocognition of Language & Memory: Retention, Attrition, & Aging”, Georgetown University, USA.
20. 2007/10 Congress of the EUROSLA (European Second Language Association , Newcastle-upon-tyne, UK (Keynote speaker)
21. 2007/04 “Birdsong, Speech & Language: Converging mechanisms” conference, Utrecht, Holland.
22. 2006/06 Journées d’Etudes sur la Parole, Dinard, France (keynote speaker)
23. 2006/01 Colloque international de l’Association des Sciences du Langage, “Apprentissage des langues premières et secondes”, Paris, France.
24. 2005/08 Second International Conference on First Language Attrition, Amsterdam, Holland.
25. 2005/06 Plasticity in Speech Perception (PSP2005), Conférence de l’International Speech Communication Association, London, UK.
26. 2007/05 6th International Symposium on Bilingualism (ISBI), Hamburg, Germany
27. 2000/05 28th Congrès International de Psychologie, Stockholm, Sweden

PUBLICATIONS IN PEER-REVIEWED JOURNALS

(Most of the papers are available at www.pallier.org; see my [google citation profile](#))

1. Li, J., Bhattasali, S., Zhang, S., Franzluebbbers, B., Luh, W.-M., et al., Spreng, N., Brennan, J. Pallier, C., & Hale, J. (2022) Le Petit Prince multilingual naturalistic fMRI corpus. *Scientific Data*, 9 (1), pp.530.
2. Dunagan, D., Zhang, S., Li, J., Bhattasali, S., Pallier, C., Whitman, J., Yang, Y. & Hale, J. (2022) Neural correlates of semantic number: A cross-linguistic investigation. *Brain and Language*, 229:105-110.
3. Hale, J., Campanelli, L., Li, J., Bhattasali, S., Pallier, C., & Brennan, J. (2021). Neuro-Computational Models of Language Processing. *Annual Review of Linguistics*, Vol. 8:427-446.
4. Cohen, L., Salondy, P., Pallier, C. & Dehaene, S. (2021). How Does Inattention Affect Written and Spoken Language Processing? *Cortex* 138: 212–27.
5. Pinho, A. L., Amadon, A., Fabre, M., Dohmatob, E., Denghien, I., Torre, J. J., Ginisty, G. et al. (2021). Subject-Specific Segregation of Functional Territories Based on Deep Phenotyping. *Human Brain Mapping* 42 (4): 841–70.

6. Chang, C. H. C., Dehaene, S., Wu, D., Kuo, W.-J. & Pallier, C. (2020). Cortical Encoding of Linguistic Constituent with and without Morphosyntactic Cues. *Cortex* 129: 281–95.
7. Barra, J., Pallier, C. & New, B. (2020). The Black Superiority Effect: Black Is Taller than Gray. *Acta Psychologica* 202: 102958.
8. Planton, S., Chanoine, V., Sein, J., Anton, Nazarian, B., Pallier, C. & Pattamadilok, C. (2019) Top-down activation of the visuo-orthographic system during spoken sentence processing. *Neuroimage*. 202:116-135.
9. Wang, L., Amalric, M., Fang W., Jiang X., Pallier, C., Figueira, S., Sigman, M. & Dehaene, S. (2019) Representation of spatial sequences using nested rules in human prefrontal cortex. *Neuroimage*. 186:245-255.
10. Fabre, M., Bhattasali, S., Luh, W.M., Al Saied, H., Constant, M., Pallier, C., Brennan, J., Spreng, R.N., & Hale, J. (2019) Localising Memory Retrieval and Syntactic Composition: A fMRI Study of Naturalistic Language Comprehension *Language, Cognition and Neuroscience*, 34:4, 491-510, DOI: 10.1080/23273798.2018.1518533
11. Moreno, A., Limousin, F., Dehaene, S. & Pallier, C. (2018). Brain Correlates of Constituent Structure in Sign Language Comprehension. *NeuroImage*, 167: 151–61. doi: 10.1016/j.neuroimage.2017.11.040
12. Pinho, et al. (2018). Individual Brain Charting, a High-Resolution FMRI Dataset for Cognitive Mapping. *Scientific Data* 5: 180105. <https://doi.org/10.1038/sdata.2018.105>.
13. Jouen, A.L., Ellmore, T.M., Madden-Lombardi, C.J., Pallier, C., Dominey, P.F. & Ventre-Dominey J. (2018). Beyond the Word and Image: II- Structural and Functional Connectivity of a Common Semantic System. *NeuroImage* 166:185–97.
14. Ferrand, L., Méot A., Spinelli E., New B., Pallier C., Bonin P., Dufau S., Mathôt S., & Grainger J. (2018) MEGALEX: A Megastudy of Visual and Auditory Word Recognition. *Behavior Research Methods*. 50(3):1285-1307. doi: 10.3758/s13428-017-0943-1.
15. Le Guen, Y., Amalric, M., Pinel, P., Pallier, C., & Frouin, V. (2018) Shared genetic aetiology between cognitive performance and brain activations in language and math tasks. *Scientific Reports*, 8(1):17624. doi: 10.1038/s41598-018-35665-0.
16. Cachia, A., Del Maschio N., Borst G., Della Rosa P.A., Pallier C., Costa A., Houdé O., & Abutalebi J. (2017). Anterior Cingulate Cortex Sulcation and Its Differential Effects on Conflict Monitoring in Bilinguals and Monolinguals. *Brain and Language* 175:57–63.
17. Nelson, El Karoui, Giber, Yang, Cohen, Koopman, Cash, Naccache, Hale, Pallier, & Dehaene (2017) Neurophysiological Dynamics of Phrase-Structure Building during Sentence Processing. *Proceedings of the National Academy of Sciences* 114(18):E3669-E3678 doi: 10.1073/pnas.1701590114.
18. Pattamadilok, C., Chanoine, V., Pallier, C., Anton, J.-L., Nazarian, B., Belin, P., & Ziegler, J.-C. (2017) Automaticity of phonological and semantic processing during visual word recognition. *Neuroimage*. 2017 Apr 1;149:244-255. doi: 10.1016/j.neuroimage.2017.02.003.
19. Pattamadilok, C., Dehaene, S. and Pallier, C. (2016). A Role for Left Inferior Frontal and Posterior Superior Temporal Cortex in Extracting a Syntactic Tree from a Sentence. *Cortex* 75: 44–55.
20. Bachrach, A., Jola, C. and Pallier, C. (2016). Neuronal Bases of Structural Coherence in Contemporary Dance Observation. *NeuroImage* 124: 464–72.
21. Katz, J., Chemla, E., and Pallier, C. (2015). An Attentional Effect of Musical Metrical Structure. *PLoS ONE* 10 (11): e0140895.
22. Dehaene, S., Meyniel, F., Wacongne, C., Wang, L. and Pallier, C. (2015). The Neural Representation of Sequences: From Transition Probabilities to Algebraic Patterns and Linguistic Trees. *Neuron* 88, no. 1 : 2–19.
23. Hung, Y.-H., Pallier, C., Dehaene, S., Lin, Y.-C., Chang, A., Tzeng, O. and Wu, D.H. (2015) Neural Correlates of Merging Number Words. *NeuroImage* 122: 33–43.
24. Chang, C.H.C., Pallier, C., Wu, D.H., Nakamura, K., Jobert, A., Kuo, W. -J. , and Dehaene, S. (2015) Adaptation of the Human Visual System to the Statistics of Letters and Line Configurations. *NeuroImage* 120: 428–40.

25. New, B., Doré-Mazars, K., Cavézian, C., Pallier, C. & Barra, J. (2015) The Letter Height Superiority Illusion. *Psychonomic Bulletin & Review*
26. Jouen, A. L., T. M. Ellmore, C. J. Madden, C. Pallier, P. F. Dominey, and J. Ventre-Dominey (2015). Beyond the Word and Image: Characteristics of a Common Meaning System for Language and Vision Revealed by Functional and Structural Imaging. *NeuroImage* 106: 72–85
27. Barrós-Loscertales, A., Ventura-Campos, N., Visser, M., Alsius, A., Pallier, C., Avila Rivera, C., & Soto-Faraco, S. (2013). Neural Correlates of Audiovisual Speech Processing in a Second Language. *Brain and Language*, 126(3): 253–262.
28. Pegado, F., Nakamura, K., Braga, L.W., Ventura, P., Nunes Filho, G., Pallier, C., Jobert, A., Morais, J., Cohen L., Kolinsky, R., & Dehaene, S. (2013). Literacy Breaks Mirror Invariance for Visual Stimuli: A Behavioral Study With Adult Illiterates. *Journal of Experimental Psychology. General*.
29. Ressel, V., Pallier, C., Ventura-Campos, N., Díaz, B., Roessler, A., Avila, C., & Sebastián-Gallés, N. (2012) An effect of bilingualism on the auditory cortex., *Journal of Neuroscience*, 32(47):16597-601.
30. Vagharchakian, L., Dehaene-Lambertz, G., Pallier, C., & Dehaene, S. (2012) A temporal bottleneck in the language comprehension network, *Journal of Neuroscience*, 32(26):9089–9102.
31. Joly, O., Pallier, C., Ramus, F., Pressnitzer, D., Vanduffel, W. & Orban, G.A. (2012). Processing of Vocalizations in Humans and Monkeys: A Comparative fMRI Study. *NeuroImage* 62 (3): 1376–89.
32. Sebastian-Galles, N., Soriano-Mas C., Baus C., Diaz B., Ressel V., Pallier C., Costa A. & Pujol J. (2012) Neuroanatomical markers of individual differences in native and non-native vowel perception. *Journal of Neurolinguistics*, 25:150-162.
33. 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.
34. Pallier, C., Devauchelle, A.-D., & Dehaene, S. (2011). Cortical representation of the constituent structure of sentences. *Proceedings National Academy of Sciences USA*, 108(6):2522–2527.
35. 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.
36. Kouider, S., de Gardelle, V., Dehaene, S., Dupoux, E. & Pallier, C. (2010). Cerebral bases of subliminal speech priming. *Neuroimage*, 49(1):922–929.
37. Anne-Dominique Devauchelle, Catherine Oppenheim, Luigi Rizzi, Stanislas Dehaene, and Christophe Pallier (2009). Sentence syntax and content in the human temporal lobe: an fMRI adaptation study in auditory and visual modalities. *Journal Cognitive Neuroscience*, 21(5):1000–1012.
38. Vincent Navarro, Christine Delmaire, Valérie Chauviré, Marie-Odile Habert, Rosalie Footnick, Stéphane Lehericy, Michel Baulac, Christophe Pallier, and Laurent Cohen (2009). What is it? A functional MRI and SPECT study of ictal speech in a second language. *Epilepsy Behav*, 14(2):396–399.
39. Jamila Andoh, Eric Artiges, Christophe Pallier, Denis Rivière, Jean- Francois Mangin, Marie-Laure Paillère-Martinot, and Jean-Luc Martinot (2008). Priming Frequencies of Transcranial Magnetic Stimulation over Wernicke’s Area Modulate Word Detection. *Cerebral Cortex*, 18(1):210–216.
40. Ludovic Ferrand, Patrick Bonin, Alain Méot, Maria Augustinova, Boris New, Christophe Pallier, and Marc Brysbaert (2008). Age-of-acquisition and subjective frequency estimates for all generally known monosyllabic French words and their relation with other psycholinguistic variables. *Behav Res Methods*, 40(4):1049–1054.
41. Narly Golestani, Nicolas Molko, Stanislas Dehaene, Denis LeBihan, and Christophe Pallier (2007). Brain structure predicts the learning of foreign speech sounds. *Cerebral Cortex*, 17(3):575–582.
42. Narly Golestani and Christophe Pallier (2007). Anatomical correlates of foreign speech sound production. *Cerebral Cortex*, 17(4):929–934.
43. New, B., Brysbaert, M., Véronis, J. & Pallier, C. (2007). The use of film subtitles to estimate word frequencies. *Applied Psycholinguistics*, 28:661-677.

44. Jamila Andoh, Eric Artiges, Christophe Pallier, Denis Riviere, Jean- François Mangin, Arnaud Cachia, Marion Plaze, Marie-Laure Paillère- Martinot, and Jean-Luc Martinot (2006). Modulation of language areas with functional MR image-guided magnetic stimulation. *Neuroimage*, 29(2):619– 627.
45. Ghislaine Dehaene-Lambertz, Stanislas Dehaene, Jean-Luc Anton, Aurelie Campagne, Philippe Ciuciu, Guillaume P Dehaene, Isabelle Denghien, Antoinette Jobert, Denis LeBihan, Mariano Sigman, Christophe Pallier, and Jean-Baptiste Poline (2006). Functional segregation of cortical language areas by sentence repetition. *Human Brain Mapping*, 27(5):360–371.
46. Narly Golestani, F.-Xavier Alario, Sébastien Meriaux, Denis LeBihan, Stanislas Dehaene, and Christophe Pallier. Syntax production in bilinguals (2006). *Neuropsychologia*, 44(7):1029–1040.
47. Boris New, Ludovic Ferrand, Christophe Pallier, and Marc Brysbaert (2006). Re- examining word length effects in visual word recognition : New evidence from the English Lexicon Project. *Psychonomic Bulletin & Review*, 13(1): 45–52.
48. Marion Plaze, David Bartrés-Faz, Jean-Luc Martinot, Dominique Januel, Franck Bellivier, Renaud De Beaurepaire, Sandra Chanraud, Jamila Andoh, Jean-Pascal Lefaucheur, Eric Artiges, Christophe Pallier, and Marie-Laure Paillère-Martinot (2006). Left superior temporal gyrus activation during sentence perception negatively correlates with auditory hallucination severity in schizophrenia patients. *Schizophr Res.*
49. Ghislaine Dehaene-Lambertz, Christophe Pallier, Willy Serniclaes, Liliane Sprenger-Charolles, Antoinette Jobert, and Stanislas Dehaene (2005). Neural correlates of switching from auditory to speech perception. *Neuroimage*, 24(1):21–33.
50. Silke Dodel, Narly Golestani, Christophe Pallier, Vincent Elkouby, Denis Le Bihan, and Jean-Baptiste Poline. Condition-dependent functional connectivity: syntax networks in bilinguals (2005). *Philos Trans R Soc Lond B Biol Sci*, 360(1457):921–935.
51. Sandy Sangrigoli, Christophe Pallier, Anne-Marie Argenti, Valérie Ventureyra, and Scania de Schonen (2005). Reversibility of the other-race effect in face recognition during childhood. *Psychological Science*, 16(6):440–444.
52. Michael Chee, Chun Siong Soon, Hwee Ling Lee, and Christophe Pallier (2004). Left insula activation: A marker for language attainment in bilinguals. *Proceedings of the National Academy of Sciences USA*, 101(42).
53. Anne Christophe, Sharon Peperkamp, Christophe Pallier, Eliza Block, and Jacques Mehler (2004). Phonological phrase boundaries constrain lexical access: I Adult data. *Journal of Memory and Language*, 51(4):523–547.
54. Boris New, Christophe Pallier, Marc Brysbaert, and Ludovic Ferrand (2004). Lexique 2 : A New French Lexical Database. *Behavior Research Methods, Instruments, & Computers*, 36(4):516–524.
55. Valérie Ventureyra, Christophe Pallier, and Hi-Yon Yoo (2004). The loss of first language phonetic perception in adopted Koreans. *Journal of Neurolinguistics*, 17:79–91, 2004.
56. Philippe Ciuciu, Jean-Baptiste Poline, Guillaume Marrelec, Jérôme Idier, Christophe Pallier, and Habib Benali (2003). Unsupervised robust non-parametric estimation of the hemodynamic response function for any fMRI experiment. *IEEE Trans. Medical Imaging*, 22(10):1235–1251.
57. Charlotte Jacquemot, Christophe Pallier, Denis LeBihan, Stanislas Dehaene, and Emmanuel Dupoux (2003). Phonological grammar shapes the auditory cortex: a functional magnetic resonance imaging study. *Journal of Neuroscience*, 23 (29):9541–9546.
58. Christophe Pallier, Stanislas Dehaene, Jean-Baptiste Poline, Denis LeBihan, Anne-Marie Argenti, Emmanuel Dupoux, and Jacques Mehler (2003). Brain imaging of language plasticity in adopted adults: can a second language replace the first?. *Cerebral Cortex*, 13(2):155–161.
59. Sophie Dufour, Ronald Peereman, Christophe Pallier, and Monique Radeau (2002). VoCoLex : Une base de données lexicales sur les similarités phonologiques entre les mots français. *L'Année Psychologique*, 102:725–746.
60. Charlotte Jacquemot, Emmanuel Dupoux, Christophe Pallier, and Anne- Catherine Bachoud-Levy (2002). Comprehending spoken words without hearing phonemes: a case study. *Cortex*, 38(5):869–873.

61. Albert Costa, Núria Sebastián Gallés, Christopher Pallier, and Angels Colomé (2001) El desarrollo temporal de la codificación fonológica: un procesamiento estrictamente serial?. *Cognitiva*, 13(1):3–34.
62. Emmanuel Dupoux, Christophe Pallier, Kazuhiko Kakehi, and Jacques Mehler (2001). New Evidence for Prelexical Phonological Processing in Word Recognition. *Language and Cognitive Processes*, 5(16):491–505.
63. Boris New, Christophe Pallier, Ludovic Ferrand, and Rafael Matos (2001). Une base de données lexicales du français contemporain sur Internet : LEXIQUE. *L'Année Psychologique*, 101:447–462.
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