

Christophe Pallier

French national. Born on 15/02/1968 in Villiers-le-bel. Married, 3 children.

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CURRENT POSITION

Senior Research Scientist (DR2 CNRS)

Head of the “Neuroimaging of Language and Symbols” INSERM team at the INSERM Cognitive Neuroimaging Unit, Neurospin, CEA-Saclay. (The team comprises between 7 to 12 persons and was rated “Excellent” by the INSERM during the renewal of the lab in 2014)

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- Member of the ERC Panel SHS4

2016- Member of the INSERM Commission Scientifique Spécialisée “Neurosciences” (CSS4).

2013-16 Member of the Piloting committee of the IDEX NeuroSaclay.

2009-15 Member of the Scientific Advisory Board of Barcelona Media

2007-17 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” (WP Leader; 1600kE for 5 labs; PI: G. Orban)

2000-03 ACI Blanche “Neural plasticity and language acquisition” (135 kE; PI: C. Pallier).

1995-97 HFSP “Processing consequences of contrasting language phonologies” (PI: N. Sebastian)

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

Since 1995, more than 800 hours of teaching on various topics: 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).

Current recurrent teaching (2014–now):

- Introduction to programming in Python (20h/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 (3.5h/an), DU Bilinguisme, Univ. Paris 5.

Invited lectures:

- UCLA, Neurobiology of Language, 10h in 2012
- University of the Basque Country, Neurobiology of Bilingualism, 20h, in 2012.

STUDENTS SUPERVISION

Masters, Trainees (with their current position when known): Angels Colomé (associate professor), Boris New (Full Professor), Charlotte Jacquemot (CR CNRS), Vincent de Gardelle (CR CNRS), Yan 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 (en cours), Martin Perez-Guevara (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 private sector), Corinne Jola (U. Zurich, now lecturer in UK).

DIFFUSION OF SCIENTIFIC KNOWLEDGE (not exhaustive)

2017: Guest of the radio program “La Méthode Scientifique”, France Culture (1h)
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), Dashiel Munding (2015, Aix-Marseille)
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

- Expe: a psychology experiment generator under DOS (now obsolete)
- Lexique: a lexical database of French
- French Lexicon Project: lexical decision times on 40000 french words

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.

Invited Conferences (excluding seminars, workshops...)

1. 2017/03 International Congress of Psychological Sciences, Vienna
2. 2015/09 56ème Congrès de la Société Française de Psychologie, Strasbourg.
3. 2014/04 The Syntax of Mind: An International Conference, Vienna
4. 2012/09 International Symposium on Bilingualism, Catalan Institution for Research & Advanced Studies (ICREA), Barcelona
5. 2012/11 Rencontres d’Automne de Linguistique formelle (RALFe 2012), Université Paris 8, Saint-Denis. (keynote speaker)
6. 2011/09 Architectures & Mechanisms for Language Processing (AMLAP 2011), Paris (keynote speaker)
7. 2010/09 Symposium on Mega-studies, 52e congrès de la Société Française de Psychologie, Lille.
8. 2008/06 “Language, Mind & Brain: Mechanisms of Learning critical periods & Brain Plasticity” Conference, McGill University, Canada.
9. 2008/03 “The Neurocognition of Language & Memory: Retention, Attrition, & Aging”, Conference, Georgetown University, USA.

10. 2007/10 17th Congress of the European Second Language Association (EUROSLA 2007), Newcastle-upon-tyne, UK (Keynote speaker)
11. 2007/04 “Birdsong, Speech & Language: Converging mechanisms” conference, Utrecht, Holland.
12. 2006/06 Journées d’Etudes sur la Parole, Dinard, France (keynote speaker)
13. 2006/01 Colloque international de l’Association des Sciences du Langage, “Apprentissage des langues premières et secondes”, Paris, France.
14. 2005/08 Second International Conference on First Language Attrition, Amsterdam, Holland.
15. 2005/06 Plasticity in Speech Perception (PSP2005), Conférence de l’International Speech Communication Association, London, UK.
16. 2007/05 6th International Symposium on Bilingualism (ISBI), Hamburg, Germany
17. 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. Moreno, A., Limousin, F., Dehaene, S. & Pallier, C. (2017). Brain Correlates of Constituent Structure in Sign Language Comprehension. *NeuroImage*.
2. 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.
3. 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.
4. Ferrand, L., Méot A., Spinelli E., New B., Pallier C., Bonin P., Dufau S., Mathôt S., & Grainger J. (2017) MEGALEX: A Megastudy of Visual and Auditory Word Recognition. *Behavior Research Methods*.
5. 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*
6. 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.
7. Bachrach, A., Jola, C. and Pallier, C. (2016). Neuronal Bases of Structural Coherence in Contemporary Dance Observation. *NeuroImage* 124: 464–72.
8. Katz, J., Chemla, E., and Pallier, C. (2015). An Attentional Effect of Musical Metrical Structure. *PLoS ONE* 10 (11): e0140895.
9. 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.
10. 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.
11. 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.
12. New , B., Doré-Mazars, K., Cavézian, C., Pallier, C. & Barra, J. (2015) The Letter Height Superiority Illusion. *Psychonomic Bulletin & Review*
13. 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

14. 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.
15. 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*.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. Kouider, S., de Gardelle, V., Dehaene, S., Dupoux, E. & Pallier, C. (2010). Cerebral bases of subliminal speech priming. *Neuroimage*, 49(1):922–929.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. Narly Golestani and Christophe Pallier (2007). Anatomical correlates of foreign speech sound production. *Cerebral Cortex*, 17(4):929–934.
30. New, B., Brysbaert, M., Véronis, J. & Pallier, C. (2007). The use of film subtitles to estimate word frequencies. *Applied Psycholinguistics*, 28:661-677.
31. 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.

32. 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.
33. Narly Golestani, F.-Xavier Alario, Sébastien Meriaux, Denis LeBihan, Stanislas Dehaene, and Christophe Pallier. Syntax production in bilinguals (2006). *Neuropsychologia*, 44(7):1029–1040.
34. 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.
35. 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.*
36. 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.
37. 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.
38. Sandy Sangrigoli, Christophe Pallier, Anne-Marie Argenti, Valérie Ventureyra, and Scania de Schonon (2005). Reversibility of the other-race effect in face recognition during childhood. *Psychological Science*, 16(6):440–444.
39. 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).
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.

49. 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.
50. 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.
51. Christophe Pallier, Angels Colomé, and Nuria Sebastian-Gallés (2001). The influence of native-language phonology on lexical access: Concrete exemplar-based vs. abstract lexical entries. *Psychological Science*, 12 (6):445–449.
52. Emmanuel Dupoux, K. Kakehi, Yuki Hirose, Christophe Pallier, and Jacques Mehler (1999). Epenthetic vowels in Japanese: A perceptual illusion?. *Journal of Experimental Psychology: Human Perception and Performance*, 25(6):1568– 1578.
53. Christophe Pallier, Nuria Sebastian-Gallés, Emmanuel Dupoux, Anne Christophe, and Jacques Mehler (1998). Perceptual Adjustment to Time-Compressed Speech: a Cross-Linguistic Study. *Memory & Cognition*, 26(4):844–851.
54. Emmanuel Dupoux, Christophe Pallier, Nuria Sebastian-Gallés, and Jacques Mehler (1997). A de-stressing “deafness” in French?. *Journal of Memory and Language*, 36:406-421.
55. Christophe Pallier, Laura Bosch, and Nuria Sebastian-Gallés. A limit on behavioral plasticity in speech perception (1997). *Cognition*, 64(3):B9-B17.
56. Christophe Pallier, Anne Christophe, and Jacques Mehler (1997). Language-specific listening. *Trends in Cognitive Science*, 1(4):129-132.
57. Christophe Pallier, Emmanuel Dupoux, and Xavier Jeannin (1997). EXPE: an expandable programming language for on-line psychological experiments. *Behavior Research Methods, Instruments, & Computers*, 29(3):322-327.
58. Jacques Mehler, Josiane Bertoncini, Emmanuel Dupoux, and Christophe Pallier (1995). The role of suprasegmentals in speech perception and acquisition. *Dokkyo International Review*, 7:343-376.
59. Jacques Mehler, Emmanuel Dupoux, Christophe Pallier, and Ghislaine Dehaene-Lambertz (1994). Cross-linguistic approaches to speech processing. *Current Opinion in Neurobiology*, 4(2):171-176 Note: Reprinted in Squire, L. R. & Kosslyn, S. M. (1998) *Findings and Current Opinion in Cognitive Neuroscience*. 1998, MIT Press.
60. Jacques Mehler, Núria Sebastian-Gallés, Gerry Altmann, Emmanuel Dupoux, Anne Christophe, and Christophe Pallier (1993). Understanding compressed sentences: the role of rhythm and meaning. *Annals of the New York Academy of Sciences*, 682:272-282.
61. Christophe Pallier, Núria Sebastian-Gallés, Téó Felguera, Anne Christophe, and Jacques Mehler (1993). Attentional allocation within the syllabic structure of spoken words. *Journal of Memory and Language*, 32: 373-389.
62. Anne Christophe, Christophe Pallier, Josiane Bertoncini, and Jacques Mehler (1991). A la recherche d'une unité : segmentation et traitement de la parole. *L'Année Psychologique*, 91:59-86.

BOOK CHAPTERS

1. Christophe Pallier & Murielle Fabre. Bases cérébrales des processus syntaxiques. In S. Pinto & M. Sato. *Traité de Neurolinguistics*, deBoeck, 2016.
2. Christophe Pallier, Age effects in language acquisition and attrition In Bolhuis, J.J. & Evereart, M., editors, *Birdsong, Speech, And Language Exploring the Evolution of Mind and Brain*, MIT Press, 2013.
3. Christophe Pallier. Imagerie cérébrale et différences individuelles dans l'apprentissage des langues. In Michèle Kail, Michel Fayol, and Maya Hickmann, editors, *Apprentissage des Langues*. CNRS Editions, Paris, 2009.
4. Christophe Pallier. Critical periods in language acquisition and language attrition. In Barbara Köpke, Monika S. Schmid, Merel Keijzer, and Susan Dostert, editors, *Language Attrition: Theoretical perspectives*. John Benjamins, Amsterdam, 2007.

5. Jean-Baptiste Poline, Ferath Kherif, Christophe Pallier, and Will Penny. Contrasts and Classical Inference. In Karl Friston, editor, *Statistical Parameter Mapping*. Elsevier, 2007.
6. Christophe Pallier. Imagerie cérébrale du cerveau bilingue. In Catherine Liégeois-Chauvel, Bernard Guéguen, Patrick Chauvel, and Philippe Kahane, editors, *Neurophysiologie du langage*. Elsevier, 2006.
7. Valérie Ventureyra and Christophe Pallier. In search of the lost language: The case of adopted Koreans in France. In Monica S. Schmid, Barbara Köpke, Merel Keijzer, and Lina Weilemar, editors, *First Language Attrition: Interdisciplinary perspectives on methodological issues*, pages 207–221. John Benjamins, Amsterdam, 2004.
8. Christophe Pallier and Anne-Marie Argenti. Imagerie cérébrale du bilinguisme. In Olivier Etard and Nathalie Tzourio-Mazoyer, editors, *Cerveau et Langage*. Traité de Sciences Cognitives, pages 183–198. Hermès Science, Paris, 2003.
9. Jacques Mehler, Emmanuel Dupoux, Christophe Pallier, and Ghislaine Dehaene-Lambertz. Cross-linguistic approaches to speech processing. In S. M. Squire, L. R. & Kosslyn, editor, *Findings and Current Opinion in Cognitive Neuroscience*. MIT Press, 1998. Note: Reprinted from Mehler et al. (1994) Current Opinion in Neurobiology.
10. Jacques Mehler, Christophe Pallier, and Anne Christophe. Language and Cognition. In M. Sabourin, F. Craik, and M. Robert, editors, *Advances in Psychological Science: Biological and Cognitive Aspects*, volume 2, pages 381–398. Psychology Press, Hove, East Sussex, 1998.
11. Jacques Mehler, Josiane Bertoncini, Emmanuel Dupoux, and Christophe Pallier. The role of suprasegmentals in speech perception and acquisition. In T. Otake and A. Cutler, editors, *Phonological Structure and Language Processing: Cross-linguistic Studies*, pages 145–169. Mouton de Gruyter, New York, 1996.
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