

BIOGRAPHICAL SKETCH

NAME Emmanuel Dupoux BORN Nov 30 th 1964, Paris NATIONALITY French Divorced, two children	ADDRESS Laboratoire de Sciences Cognitives et Psycholinguistique (LSCP) ENS-EHESS-CNRS; 46 rue d'Ulm, 75005 Paris. Tel: +33 1 44 32 23 51, E-mail: dupoux at lscp dot ehess dot fr POSITION/TITLE Professor, Ecole des Hautes Etudes Sciences Sociales
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EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Ecole des Hautes Etudes en Sciences Sociales	Habilitation à Diriger des Recherches	<i>1997</i>	Cognitive Psychology
Ecole Nationale Supérieure des Télécom.	Engineering	<i>1992</i>	Telecommunication
Ecole des Hautes Etudes en Sciences Sociales	Ph.D	<i>1989</i>	Cognitive Psychology
Universite d'Orsay, Paris XI	Diplôme d'Etudes Approfondies	<i>1986</i>	Computer Science
University Paris 6	Maitrise	<i>1985</i>	Applied Mathematics

Experience

- Creator and director of the Master in Cognitive Science, Paris, 2004-present
- Invited professor, University of Kyoto, Japan, Summer 2003, and University College London, UK, 2005-2006.
- Directeur d'Etudes, EHESS, (Full Professor), 2001-present.
- Director of L.S.C.P., 1998-2009.
- Maître de Conférence (Associate Professor), EHESS, 1996-2001.
- Researcher (Assistant Professor) at C.NRS and France Telecom, 1991-1996.
- Invited researcher at the Max Planck Institute for Psycholinguistics, Nimegen, Nov 1992, Institute for Research in Cognitive Science, Upenn, Philadelphia, USA, Feb 1993, and Rutgers Center for Cognitive Science, USA, Fall 1993.
- Post-Doc-doc at the Cognitive Science department, University of Arizona, Tucson, USA, 1989 - 1991 and invited professor, summer 1992 and 1993.

Grants

- Agence Nationale pour la Recherche (French Ministry of research) "Bootstrapping Language Acquisition: An Integrative Approach"; (PI: S. Peperkamp), (2010–2014. 250k€)
- Agence Nationale pour la Recherche (French Ministry of research) "The Development of social Cognition' SOCODEV (PI: E. Dupoux, coll: P. Jacob) (2009-2012: 380K€)
- Neuropôle (Region Ile de France). "Cognitive Neuroscience Plateform" (PI: E. Dupoux, 2009-2011: 280k€)
- French Ministry Cognitive Grant « the psychological bases of the moral sens: perception and evaluation of actions » 2001-2003; in collaboration with the Jean Nicod center.
- Agence Nationale pour la Recherche (French Ministry of research) "artificial and natural models of language acquisition" in coll with J.P Nadal (Paris) and L. Nash (Paris) (250KE, 2005-2008)

- UE NEST-Pathfinder Grant “what is it to be human” in collaboration with G. Orban, (Leuven), G. Rizzolatti (Parma), G. Gergely (Budapest) & S. Dehaene (Orsay) (1200KE, 2005-2008).
- French Ministry Cognitive Grant « the psychological bases of the moral sens: perception and evaluation of actions » 2001-2003; in collaboration with the Jean Nicod center.
- Bourse GIS « Modèles naturels et artificiels de la perception de la parole : rôle de la prosodie dans le traitement et l’acquisition du langage » 1999-2000.
- Subvention GIS, « Etude des fonctions cognitives supérieures par potentiels évoqués et résonance magnétique fonctionnelle », 1997-1998.
- Human Capital and Mobility, « Language as a cognitive capacity: perception and acquisition », 1993-1994.
- Human Frontiers Science Program, « Psycholinguistic Consequences of Contrasting Phonologies », 1991-1993, 1995--1997.
- Contrat DRET, « Imagerie Cérébrale et Traitement de la Parole », 1996-1998.
- Convention CNET , « Perception de la parole et compression temporelle », 1989-1991.

Current international collaborations

- Nuria Sebastian, ([Groupe de Recherche en Neurosciences Cognitives](#), University of Barcelona, Spain)
- Reiko Mazuka ([Human learning research group](#), Riken, Tokyo, Japan)
- Guy Orban ([Laboratorium voor Neuro-en Psychofysiologie](#), Leuven, Belgium)
- Heather van der Lely ([Centre for developmental language disorders and cognitive neuroscience](#), UCL, UK)
- Liz Spelke ([Laboratory for developmental studies](#), University of Harvard, USA)

Reviewing

- Member of the editorial board for: *Mathématiques, Informatique et Sciences Humaines, L’Année Psychologique*
- Invited reviewer for: *Cognition, Cognitive Psychology, Journal of Memory and Language, Perception and Psychophysics, Journal of Phonetics, Journal of Experimental Psychology: Human Perception and Performance.*
- Reviewer for the Region Rhone Alpes, for the ATiPE Neuroscience (CNRS), and for the French Ministry of research

Teaching

□ Courses

- 2006-: Basics Cognitive Science (M1).

- 1996-2006: EHESS seminar and Master-level course on the biological bases of cognitive functions
- 2005: Cognitive Neuropsychology (L3), Human Communication Science Department, UCL, London
- August 1999: Graduate course and seminar University of PUC-Rio, Brazil.
- 1992 – 1993: Courses in Cognitive Science at Sup Télécom Paris.
- Autumn 1993 : Seminar in language processing, Rutgers, NJ, and CUNY, NY.
- 1990 - 1991, summer 1992 & 1993: Seminar in « Psycho-phonology » university of Arizona, Tucson.

□ *PhD supervision*

- Luc Boruta (EDFdV, 2009-2012). co-supervision Benoit Crabbé, Paris 7.
- Miriam Sofronia (ED3C 2009-2012).
- Belonia Gabalda (EDFdV, 2008-2011), co-supervision P. Jacob, IJN.
- Florian Cova (AMN, 2008-2011), co-supervision P. Jacob, IJN.
- Marine Buon (ED3C, 2007-2010) co-supervision P. Jacob, IJN
- Marc Teichmann (APHP, 2002-2007) co-supervision AC Bachoud-Levi, NPI
- Thomas Hannagan (ACI grant, 2005-2007) co-supervision A. Christophe, LSCP
- Emmanuel Chemla (AMN, 2005-2007) co-supervision P. Shlencker, IJN
- Rozenn Le Calvez (Paris 6 grant, 2004-2006) co-supervision S. Peperkamp, LSCP
- Erica Parlato (University of PUC-Sao Paulo 2000-2005)
- Séverine Milotte (DGA grant, 2003-2005) co-supervision A. Christophe, LSCP
- Isabelle Darcy (Franco-German grant, 2002-2004) co-supervision Univ de Mayence
- Valérie Ventureyra (2002-2004) co-supervision C. Pallier
- Charlotte Jacquemot (Cognitique grant, 2000-2002), co-supervision A.-C. Bachoud-Lévi
- Sid Kouider (Paris 8 grant, 1999-2001)
- Ariel Gout (poste d'accueil INSERM, 1999-2001)

□ *Masters/Grandes Ecoles internship supervision*

- 2008-2009: Miriam Sofronia (cogmaster), Luc Boruta (paris 7)
- 2007-2008: Belonia Gabalda (cogmaster)
- 2006-2007 : Marine Buon (cogmaster), Guillaume Béraud (cogmaster)
- 2005-2006 : Vincent de Gardelle (cogmaster), Héloïse Pain Prado (cogmaster), Guillaume Beraud (ENST)
- 2004-2005 : Olivier Marteau (cogmaster), Raphael Candelier (cogmaster)
- 2003-2004 : Rozenn Le Calvez (DEA Sc. Cog)
- 2001-2002 : Séverine Millotte (DEA Sc. Cog), Michèle Pettinato (DEA Sc. Cog)
- 1999-2000 : Charlotte Jacquemot (DEA Sc. Cog)
- 1998-1999 : Ariel Gout (DEA Sc. Cog), Charlotte Jacquemot (Magistère Ecole Normale Supérieure)

- 1996-1997 : Evelyn Hausslein (DEA Sc. Cog), Thierry Fourneyron (Ec. Polytechnique), Nicolas Bernard (Magistère ENS)
- 1995-1996 : Hideko Yamasaki (DEA de Phonétique), Franck Ramus (DEA Sc. Cog), Jean-Baptiste Penent (INST)
- 1994-1995 : Julien Dercy (Ecole Polytechnique), Xavier Hardy (Ecole Polytechnique)

Research statement

I am interested in how elementary linguistic and cognitive skills develop in human infants, and how such early acquisitions affects processing in adults. In particular, I am conducting research in three areas.

□ *Language-specific listening*

Learning a second language late in life is notoriously difficult. With several colleagues, I have shown that many of these difficulties arise from the perceptual domain: foreign sounds are not only difficult to produce, they are also and perhaps even more so, difficult to perceive. The difficulty does not only arise because of differences in the inventories of consonants (C) and vowels (V) across languages, but also because of the phonological grammar governing how these sounds are combined. I have shown that speakers of a language with simple CV syllables (like Japanese) will ‘hear’ illusory vowels in illegal CC sequences. Such illusory perception still present in adult learners of a second language containing many CC sequences (like French) showing strong resistance to plastic changes in perception, at least in adults.

□ *Early language bootstrapping*

When they learn their first language, human infants have learn simultaneously aspects of phonology, lexicon, syntax, semantics. The puzzle is that all these levels are interdependant in complex ways. With my colleagues, I have explored the possibility that this learning puzzle is alleviated by a bottom-up learning strategy, which consists in extracting phonetic regularities present at the phonological surface, before any other linguistic level is acquired. The phonetic statistical regularities are used to constrain hypotheses regarding the other linguistic levels. This hypothesis has been corroborated in the domain of the acquisition of contrastive stress, where we found that the lexical regularities that children learn later in life do not change the initial hypothesis they have made based on surface phonetic predictability of stress.

□ *Precursors of moral judgments*

I have showed, with my colleagues, that 29-month-old toddlers apply more derogatory labels to the agent of a negative action if his target is a human patient rather than an object even when the agent’ bodily movements are the same. Second, preverbal 10-month-old infants exhibit a similar pattern of preferences. These results support the existence, early in human infancy, of an elementary mechanism, which tracks the human intentional causation of harm to human patients, and whose operation is independent of language mastery.

Publications

□ *Six representative publications*

1. Dupoux, E., Peperkamp, S., & Sebastian-Galles, N. (2010) Limits on bilingualism revisited: Stress 'deafness' simultaneous French-Spanish bilinguals *Cognition*, 114:2, 266-275.
2. Minagawa-Kawai, Y., Mori, K., Hebden, J., and Dupoux, E. (2008) Optical imaging of infants’ neurocognitive development: recent advances and perspectives *Developmental Neurobiology*, 68(6), 712-28.
3. Dupoux, E., de Gardelle, V., Kouider, S. (2008) Subliminal speech perception and auditory streaming *Cognition*, 109, 267-273.
4. Kinzler, K., Dupoux, E., & Spelke, E. (2007). The native language of social cognition. *Proceedings of the*

National Academy of Science, 104 (30), 12577-12580.

5. Dupoux, E., & Jacob, P. (2007). Universal moral grammar: a critical appraisal. *Trends in Cognitive Science*, 11, (9), 373-378.
6. Peperkamp, S., Le Calvez, R., Nadal, J.P. and Dupoux, E. (2006). The acquisition of allophonic rules: statistical learning with linguistic constraints. *Cognition*, **101**, B31-B41

□ Peer reviewed publications

1. Mazuka, R., Cao, Y., Dupoux, E., Christophe, A. (in press). The development of a phonological illusion: A cross-linguistic study with Japanese and French infants *Developmental Science*
2. Jacquemot, C., Dupoux, E., Bachoud-Lévi, A.-C. (in press). Is the word length effect linked to subvocal rehearsal? *Cortex*.
3. Hannagan, T., Dupoux, E., & Christophe, A. (in press). Holographic string encoding *Cognitive Science*.
4. Kouider, S., de Gardelle, V., Sackur, J., & Dupoux, E. (2010). How Rich is Consciousness? The Partial Awareness Hypothesis. *Trends in Cognitive Science*, **14**, 301-207.
5. Peperkamp, S., Vendelin, I. & Dupoux, E. (2010). Perception of predictable stress: A cross-linguistic investigation. *Journal of Phonetics*, **38(3)**, 422-430.
6. Minagawa, Y., Van der Lely, H., Ramus, F., Mazuka, R., & Dupoux, E. (in press). Optical brain imaging reveals auditory general and language specific processing in early infant development. *Cerebral Cortex*.
7. Parlato, E., Christophe, A., Hirose, Y., & Dupoux, E., (2010). Plasticity of illusory vowel perception in Brazilian-Japanese bilinguals. *Journal of the Acoustical Society of America*, **127**, 3738-3748.
8. Dupoux, E., Peperkamp, S., & Sebastián-Gallés, N. (2010) Limits on bilingualism revisited: Stress 'deafness' simultaneous French-Spanish bilinguals *Cognition*, 114:2, 266-275.
9. Kouider, S., de Gardelle, V., Dehaene, S., Dupoux, E., Pallier, C., (2010). Cerebral bases of subliminal speech priming. *NeuroImage*, 49:1, 922-929.
10. Skoruppa, K., Pons, F., Christophe, A., Bosch, L. Dupoux, E. Sebastián-Gallés, N., Limissuri, R.A., Peperkamp, S. (2009). Language-specific stress perception by nine-month-old French and Spanish infants *Developmental Science*, 12:6, 914-919.
11. Teichmann, M., Darcy, I., Bachoud-Lévi, A.C., Dupoux, E. (2009). The role of the striatum in phonological processing. Evidence from early stages of Huntington's disease. *Cortex*, 45 (7), 839-849.
12. Kouider, S., & Dupoux, E. (2009) Episodic accessibility and morphological processing: evidence from long-term auditory priming *Acta Psychologica*, 130(1), 38-47.
13. Dupoux, E., de Gardelle, V., Kouider, S. (2008) Subliminal speech perception and auditory streaming *Cognition*, 109, 267-273.
14. B. Varadarajan, S. Khudanpur and E. Dupoux (2008). Unsupervised Learning of Acoustic Subword Units, in *Proceedings of ACL-08: HLT*, 165-168.
15. Minagawa-Kawai, Y., Mori, K., Hebden, J., and Dupoux, E. (2008) Optical imaging of infants' neurocognitive development: recent advances and perspectives *Developmental Neurobiology*, 68(6), 712-28.

16. Dupoux, E., Sebastian-Galles, N. Navarete, E., & Peperkamp, S. (2008). Persistent stress 'deafness': the case of French learners of Spanish. *Cognition*, 106(2),682-706.
17. Peperkamp, S. and Dupoux, E. (2007). Learning the mapping from surface to underlying representations in an artificial language In: J. Cole & J. Hualde (eds.), *Laboratory Phonology, 9*, Mouton de Gruyter.
18. Darcy, I., Peperkamp, S. & Dupoux, E. (2007). Plasticity in compensation for phonological variation: the case of late second language learners In: J. Cole & J. Hualde (eds.), *Laboratory Phonology, 9*, Mouton de Gruyter.
19. Kinzler, K., Dupoux, E., & Spelke, E. (2007). The native language of social cognition. *Proceedings of the National Academy of Science*, 104 (30), 12577-12580.
20. Dupoux, E., & Jacob, P. (2007). Universal moral grammar: a critical appraisal. *Trends in Cognitive Science*, 11, (9), 373-378.
21. Jacquemot C., Dupoux E. & Bachoud-Lévi A-C. (2007). Breaking the mirror : Asymmetrical disconnection between the phonological input and output codes. *Cognitive Neuropsychology*, 24(1), 3-22.
22. Peperkamp, S., Le Calvez, R., Nadal, J.P. and Dupoux, E. (2006). The acquisition of allophonic rules: statistical learning with linguistic constraints. *Cognition*, **101**, B31-B41.
23. Jacquemot C., Dupoux E., Decouche O. & Bachoud-Lévi A-C. (2006). Misperception in sentences but not in words: Speech perception and the phonological buffer. *Cognitive Neuropsychology*, **23(6)**, 949-971.
24. Teichmann, M., Dupoux, E., Kouider, S., & Bachoud-Lévi, A.C. (2006). The role of the striatum in processing language rules: Evidence from word perception in Huntington's disease. *Journal of Cognitive Neuroscience*, **18(9)**, 1555-1569.
25. Teichman, M., Dupoux, E., Kouider, S., Brugieres, J-P, Boissé, M.-F, Baudic, S., Cesaro, P, Peschanski, M., & Bachoud-Levi, A.-C. (2005). The Role of the striatum in rule application: Language and mathematical impairments in early Huntington's disease. *Brain*, **128(5)**: 1155-1167.
26. Kouider, S., & Dupoux, E. (2005). Subliminal speech priming. *Psychological Science*., **16**, 617.
27. Kouider, S., & Dupoux, E., (2004). Partial awareness creates the 'illusion' of subliminal semantic priming, *Psychological Science*, **15(2)**:75-81.
28. Jacquemot C., Pallier C., LeBihan D, Dehaene S. & Dupoux E. (2003). Phonological grammar shapes the auditory cortex: a functional Magnetic Resonance Imaging study. *Journal of Neuroscience*, 23(29):9541-9546
29. Bachoud-Lévi, A.-C., & Dupoux, E., (2003). An Influence of Syntactic and Semantic Variables on Word Form Retrieval. *Cognitive Neuropsychology*, 20(2): 163-188.
30. Pallier, C., Dehaene, S., Poline, J.-B., LeBihan, D., Argenti, A.-M., Dupoux, E., & Mehler, J. (2003). Brain imaging of language plasticity in adopted adults: can a second language replace the first? *Cerebral Cortex*, 13(2):155-161..
31. Dupoux, E., Kouider, S. & Mehler, J. (2003). Unattended Lexical Activation? Explorations using Dichotic Priming, *Journal of Experimental Psychology: Human Perception and Performance*, 29(1):172-84.
32. Jacquemot, C., Dupoux, E., Pallier, C., & Bachoud-Levi, A.-C. (2002). Comprehending spoken words without hearing phonemes: A case study. *Cortex*, **38**, 869-873.
33. Gout, A., Christophe, A., & Dupoux, E. (2002). Testing infants' discrimination with the orientation latency. *Infancy*, **3**, 249-259

34. Peperkamp, S. & Dupoux, E. (2002). A typological study of stress 'deafness'. In: C. Gussenhoven & N. Warner (eds.) *Laboratory Phonology 7*. Berlin: Mouton de Gruyter.
35. Bachoud-Lévi, A.-C., Dupoux, E., & Degos, J.-D. (2001). Syntactic and Semantic organization in word form retrieval? *Cortex*, **37**, 693-696.
36. Dupoux, E., Pallier, C., Kakehi, K., & Mehler, J. (2001). New evidence for prelexical phonological processing in word recognition. *Language and Cognitive Processes*, **16**.
37. Kouider, S. & Dupoux, E. (2001). A functional disconnection between spoken and visual word recognition: evidence from unconscious priming. *Cognition*, **82**, B35-49.
38. Dupoux, E., Peperkamp, S., & Sebastian (2001). A robust method to study stress 'deafness'. *Journal of the Acoustical Society of America*, **110**, 1606-1618.
39. Le Clec'H, G., Dehaene, S., Cohen, L., Mehler, J., Dupoux, E., Poline, J.B., Lehericy, S., van de Moortele, P.F., Le Bihan, D. (2000). Distinct cortical areas for names of numbers and body parts independent of language and input modality. *Neuroimage*. **12(4)** 381-91.
40. Dehaene-Lambertz, G., Dupoux, E., & Gout, A. (2000). Electrophysiological correlates of phonological processing: a cross-linguistic study. *Journal of Cognitive Neuroscience*, **12**, 635-647.
41. Sebastian, N., Dupoux, E., & Costa, A. (2000). Adaptation to time-compressed speech: Phonological determinants. *Perception and Psychophysics*, **62(4)**, 834-42.
42. Dupoux, E., Kakehi, K., Hirose, H., Pallier, C., and Mehler, J. (1999). The perception of epenthetic vowels in Japanese: A perceptual illusion? *Journal of Experimental Psychology: Human Perception and Performance*. **25(6)**, 1568--1578.
43. Perani, Paulesu, E., Sebastian-Galles, N., Dupoux, E., Dehaene, S., Bettinardi, V., Cappa S.F., Fazio, F., & Mehler, J. (1998). The bilingual Brain. Proficiency and age of acquisition of the second language. *Brain*, **121**, 1841--1852.
44. Pallier, C., Sebastian, N., Dupoux, E., Christophe, A., and Mehler, J. (1998). Perceptual Adjustment to time-compressed speech: a crosslinguistic study, *Memory and Cognition*, **26**, 844—851.
45. Bachoud-Lévi, A.C., Dupoux, E., Cohen, L., & Mehler, J. (1998). Where is the length effect? A cross-linguistic study. *Journal of Memory and Language*, **39**, 331--346
46. Dupoux, E., Pallier, C., Sebastian, N., and Mehler, J. (1997). A destressing "deafness" in French?, *Journal of Memory and Language*, **36**, 406--421.
47. Dupoux, E. & Green, K. (1997) Some effects of adaptation to time compressed speech. *Journal of Experimental Psychology: Human Perception and Performance*, **23**, 914--927.
48. Dehaene, S., Dupoux, E., Mehler, J., Cohen, L., Perani, D., van de Moortele, P.F., Lehericy, S. and Le Bihan, D. (1997). Anatomical Variability in the representation of first and second languages, *Neuroreport*, **17**, 3809--3815.
49. Pallier, C., Dupoux, E., and Jeannin, X. (1997) Expe: A programmable system for experimental psychology, *Behavior Research, Methods, Instruments and Computers*, **29**, 322--327.
50. Christophe, A., Guasti, T., Nespor, M., Dupoux, E., & van Ooyen, B. (1997). Reflections on phonological bootstrapping: Its role for lexical and syntactic acquisition. *Language and Cognitive Processes*, **12**, 585-612.
51. Christophe, A., & Dupoux, E. (1996) A bootstrapping approach to word segmentation: the role of prosodic structure. *The Linguistic Review*, 383--412.

52. Perani, D., Dehaene, S., Grassi, F., Cohen, L., Cappa, S.F., Dupoux, E., Fazio, F., and Mehler, J. (1996). Brain mapping of native and foreign languages. *Neuroreport*, 7, 2439--2444.
53. Mehler, J., Dupoux, E., Pallier, C., & DehaeneLambertz, G. (1995). The biology of language: crosslinguistic approaches. *Current Opinions in Neurobiology*, 4, 171--176.
54. Christophe, A., Dupoux, E., & Mehler, J. (1994) Do Infants hear word boundaries? An empirical study of the bootstrapping of lexical acquisition. *Journal of the Acoustical Society of America*, 95, 1570--1580.
55. Mehler, J., Bertoncini, J., Dupoux, E., & Pallier, C. (1994). The role of suprasegmentals in speech perception and acquisition. *Dokkyo International Review*, 7, 343--376.
56. Mehler, J., Altmann, G, Sebastian, N., Dupoux, E., Christophe, A., & Pallier, C. (1993). Understanding Compressed Sentences: the role of rhythm and meaning. *Annals of the NewYork Academy of Science*, 682, 272--282.
57. Sebastian, N. Dupoux, E. Segui, J., & Mehler, J. (1992) Contrasting syllabic effects in Catalan and Spanish: The role of stress. *Journal of Memory and Language*, 31, 18--32.
58. Dupoux, E., & Mehler, J. (1990). Monitoring the Lexicon with Normal and Compressed Speech: Frequency effects and the prelexical code. *Journal of Memory and Language*, 29, 316--335.
59. Dehaene, S., Dupoux, E., & Mehler, J. (1990). Is Numerical Comparison Digital? Analogical and Symbolic Effects in TwoDigit Number Comparison. *Journal of Experimental Psychology: Human Perception and Performance*, 16, 626--641.

□ *Chapters, Books, Replies, Proceedings*

1. Cova, F., Dupoux, E., & Jacob, P. (in press). Moral evaluation shapes linguistic reports of others' psychological states, not theory-of-mind judgments. *Behavioral and Brain Sciences*, 33(5). (commentary to Knobe, J. (in press). Person as Scientist, Person as Moralist, *Behavioral and Brain Sciences*, 33(5)).
2. Ramus, F., Peperkamp, S., Christophe, A., Jacquemot, C., Kouider, S., and Dupoux, E. (in press) A psycholinguistic perspective on the acquisition of phonology. In C. Fougeron, B. Kühnert, M. d'Imperio & N. Vallée (Eds.) In C. Fougerson (Ed.), *Laboratory Phonology*, 10, Berlin: Mouton de Gruyter.
3. Darcy, I., Ramus, F., Christophe, A., Kinzler, K., & Dupoux, E. (2009) Phonological knowledge in compensation for native and non-native assimilation In: F. Kügler, C. Féry & R. van de Vijver (eds.) *Variation and Gradience in Phonetics and Phonology*. (pp. 265-309) Berlin: Mouton De Gruyter.
4. Smolensky, P., & Dupoux, E. (2009.) Universals in cognitive theories of language. *Behavioral and Brain Sciences*, 32, 468-469. (commentary to Evans and Levinson, BBS, 2009).
5. Jacob, P. & Dupoux , E. (2008) A precursor of moral judgment in human infants? *Current Biology*, 8(5), R216-R218 (Comment/Dispatch on Hamlin et al., 2007).
6. Dupoux, E., & Jacob, P. (2007) Sounding the retreat? *Trends in Cognitive Science*, 12(1) 2-3.(response to Dwyer & Hauser, 2007)
7. Kouider S, Dupoux E. (2007). How "semantic" is response priming restricted to practiced items? A reply to Abrams & Grinspan (2007). *Consciousness and Cognition*, 16(4), 954-6.
8. Kouider, S., de Gardelle, V.R., & Dupoux, E. (2007). Partial awareness and the illusion of phenomenal consciousness. (Comment on Bloch 2007). *Behavioral and Brain Science*, 30, 510-511..

9. Le Calvez, R., S. Peperkamp & E. Dupoux (2007) Bottom-up learning of phonemes: A computational study. In S. Vosniadou, D. Kayser & A. Protopapas, A. (Eds), *Proceedings of the Second European Cognitive Science Conference*, Taylor and Francis.
10. Peperkamp, S., K. Skoruppa, et E. Dupoux (2006) The role of phonetic naturalness in phonological rule acquisition. In: D. Bamman, T. Magnitskaia & C. Zaller (eds.) *Proceedings of the 30th Annual Boston University Conference on Language Development*. Somerville, MA : Cascadilla Press, 464-475.
11. Dupoux, E., (2004). The Acquisition of Discrete Segmental Categories: Data and Model *In Proceedings of the 18th International Congress of Acoustics*, Kyoto, April 4-9.
12. Peperkamp, S., M. Pettinato & E. Dupoux (2003) Allophonic variation and the acquisition of phoneme categories. In: B. Beachley, A. Brown, & F. Conlin (eds.) *Proceedings of the 27th Annual Boston University Conference on Language Development*. Volume 2. Somerville, MA : Cascadilla Press, 650-661
13. Dupoux, E., & Peperkamp, S. (2002). Fossil markers of language development: phonological deafnesses in adult speech processing. In B. Laks and J. Durand (Eds). *Phonetics, Phonology, and Cognition* (pp 168-190). Oxford: Oxford University Press.
14. Peperkamp, S. & Dupoux, E. (2002). Coping with phonological variation in early lexical acquisition. To appear in I. Lasser (Ed.) *The Process of Language Acquisition*. (pp. 359-385), Berlin: Peter Lang Verlag.
15. Dupoux, E. (éditeur, 2002). *Cerveau, Langage et Développement Cognitif*, Odile Jacob, Paris. Traduit en anglais chez MIT Press (2001), Cambridge, MASS.
16. Peperkamp, S., Dupoux, E., & Sebastián-Gallés, N. (1999). Perception of stress by french, spanish, and bilingual subjects. To appear In *Eurospeech '99 Proceedings; ESCA 7th European Conference on Speech Communication and Technology*
17. Dupoux, E., Fushimi, T., Kakehi, K., & Mehler, J. (1999). Prelexical locus of an illusory vowel effect in japanese. To appear In *Eurospeech '99 Proceedings; ESCA 7th European Conference on Speech Communication and Technology*
18. Dupoux, E., & Mehler, J. (1999). Non-Developmental studies of Development: examples from newborn research, bilingualism, and brain imaging. In C. Rovee-Collier, L. Lipsitt, H. Hayne (Eds) *Advances in infancy research*. Volume 12 (pp 375-406). Stamford, Connecticut: Ablex Publishing Corporation.
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Administration

□ Director of LSCP

I became director of LSCP in 1998, taking over from Jacques Mehler's laboratory. In my 12 years of directorship, the LSCP grew from 3 to 7 permanent researchers (2 PIs to 4 PIs), with a good turnover (3 researchers left the unit, 6 were recruited). It has produced on average 14 papers in referee journals per year, has been consistently ranked within the top labs of the 27th section of CNRS (Cerveau, Cognition Comportement), and received an A+ rating from the AERES agency in 2009.

My scientific policy was aimed at diversifying the research themes within the general theme of language development, and through local partnerships reinforcing the links with the foundational disciplines in cognitive science (cognitive neuroscience, social sciences, and more recently, modeling). My administrative policy was aimed at securing recurrent funding and administrative support for the research tools we need, and developing a competitive and collegial work environment.

- permanent positions obtained at LSCP
 - C. Pallier (1998, psycholinguistics; left the lab)
 - S. Peperkamp (2000, linguistics)
 - F. Ramus (2002, neurodevelopment & genetics of dyslexia)
 - S. Kouider (2004, cognitive psychology & fMRI)
 - C. Jacquemot (2005, cognitive neuropsychology).
 - J. Sackur (2007, philosophy and cognitive psychology)
- long term collaborations setup by the LSCP
 - Neuropsychology: partnership with the team of A-C. Bachoud-Levi (Créteil)
 - Brain Imagery: partnership with S. Dehaene & C. Pallier (Orsay)
 - Modeling : project with J.P. Nadal & H. Beresticky (Paris) (2004-), 3 PhD students on modeling at LSCP
- major international collaborations
 - SISSA (J. Mehler, Italy), Harvard (S. Carey, L. Spelke, USA), U. Tokyo & Riken (K. Nakamura, R. Mazuka, Japan), U. Barcelona (N. Sebastian, Spain), UCL (U. Frith, H. van der Lely, UK).
- improvements to the research environment

- I negotiated and obtained to move the main offices of LSCP to the Ecole Normale Supérieure in 2003, and helped with the setup of the new Cognitive Studies department (DEC).
- I developed the baby platform (Port Royal): the baby lab has been equipped with two new rooms to test 'old' babies (4-24 months), and NIRS (coll with Mehler) (1999 onwards)
- I setup a new neuropsychological platform (Créteil) : 40m² co-managed with the team of A.C. Bachoud Lévi (2002)
- I setup a new behavioral platform (ENS-Ulm) : 80m² for adults (2005) and children behavioral tests (2009-)

☐ *Creator and director of CogMaster (Master in Cognitive Science)*

In 2004, in collaboration with D. Andler, I established a new Master in Cognitive Science based on the former DEA de Sciences Cognitives. This two years program supported by several universities offers a high level interdisciplinary training to a selection of students with a strong background from one of the founding disciplines of the field (psychology, linguistics, biology, social science, computer science, engineering, medical studies, ..). The training include intensive introductions to different fields, interdisciplinary seminars and hands-on research in one of 40 research teams in the Paris area (www.cogmaster.net).

- institutional support: Ecole Normale Supérieure (Ulm & Cachan), Paris 5, Ecole des Hautes Etudes en Sciences Sociales
- number of students: 70 (in 2005-2006)
- courses: 1100 hours of teaching offered
- affiliated research teams: 40 in the Paris area

We are envisioning to expand this training through links to other European masters, and a follow up graduate school is in preparation. This master was awarded an A+ by the AERES in 2009.

☐ *Other responsibilities*

- Scientific advisor of the Département Etudes Cognitives, Ecole Normale Supérieure (2004-2005)
- Member of the scientific committee of the Human Sciences Department in CNRS (2001-2002)
- Member of the scientific committee of the ATIPE grants: from neurobiology to cognition, Life Science Department, CNRS. (2000-2003)