

## PS3022: Language, Communication, and Thought

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Bialystok, Ellen, Fergus I.M. Craik, and Gigi Luk, 'Bilingualism: Consequences for Mind and Brain', *Trends in Cognitive Sciences*, 16.4 (2012), 240-50  
<<https://doi.org/10.1016/j.tics.2012.03.001>>

Binder, Jeffrey R., Rutvik H. Desai, William W. Graves, and Lisa L. Conant, 'Where Is the Semantic System? A Critical Review and Meta-Analysis of 120 Functional Neuroimaging Studies', *Cerebral Cortex*, 19.12 (2009), 2767-96 <<https://doi.org/10.1093/cercor/bhp055>>

Carey, Daniel, Saloni Krishnan, Martina F. Callaghan, Martin I. Sereno, and Frederic Dick, 'Functional and Quantitative MRI Mapping of Somatomotor Representations of Human Supralaryngeal Vocal Tract', *Cerebral Cortex*, 2017  
<<https://doi.org/10.1093/cercor/bhw393>>

Castles, Anne, and Max Coltheart, 'Is There a Causal Link From Phonological Awareness to Success in Learning to Read?', *Cognition*, 91.1 (2004), 77-111  
<[https://doi.org/10.1016/S0010-0277\(03\)00164-1](https://doi.org/10.1016/S0010-0277(03)00164-1)>

Castles, Anne, Kathleen Rastle, and Kate Nation, 'Ending the Reading Wars: Reading Acquisition From Novice to Expert', *Psychological Science in the Public Interest*, 19.1 (2018), 5-51 <<https://doi.org/10.1177/1529100618772271>>

Chesters, Jennifer, Riikka Möttönen, and Kate E Watkins, 'Transcranial Direct Current Stimulation Over Left Inferior Frontal Cortex Improves Speech Fluency in Adults Who Stutter', *Brain*, 141.4 (2018), 1161-71 <<https://doi.org/10.1093/brain/awy011>>

Cook, Vivian, 'Introduction: The Changing L1 in the L2 User's Mind', in *Effects of the Second Language on the First* (Clevedon: Multilingual Matters, 2003), iii, 1-18

Corballis, Michael C., 'The Gestural Origins of Language: Human Language May Have Evolved From Manual Gestures, Which Survive Today as a "Behavioral Fossil" Coupled to Speech', *American Scientist*, 87.2 (1999), 138-45  
<<https://www.jstor.org/stable/27857812>>

Cortese, Michael J., and Jocelyn Schock, 'Imageability and Age of Acquisition Effects in Disyllabic Word Recognition', *Quarterly Journal of Experimental Psychology*, 66.5 (2013), 946-72 <<https://doi.org/10.1080/17470218.2012.722660>>

Davis, Matthew H., and M. Gareth Gaskell, 'A Complementary Systems Account of Word Learning: Neural and Behavioural Evidence', *Philosophical Transactions of the Royal*

Society B: Biological Sciences, 364.1536 (2009), 3773–3800  
<<https://doi.org/10.1098/rstb.2009.0111>>

Dehaene, Stanislas, and Laurent Cohen, 'The Unique Role of the Visual Word Form Area in Reading', *Trends in Cognitive Sciences*, 15.6 (2011), 254–62  
<<https://doi.org/10.1016/j.tics.2011.04.003>>

Dehaene, Stanislas, Felipe Pegado, Lucia W. Braga, Paulo Ventura, Gilberto Nunes Filho, Antoinette Jobert, and others, 'How Learning to Read Changes the Cortical Networks for Vision and Language', *Science*, 330.6009 (2010), 1359–64  
<<https://doi.org/10.1126/science.1194140>>

Dronkers, N. F., O. Plaisant, M. T. Iba-Zizen, and E. A. Cabanis, 'Paul Broca's Historic Cases: High Resolution Mr Imaging of the Brains of Leborgne and Lelong', *Brain*, 130.5 (2007), 1432–41 <<https://doi.org/10.1093/brain/awm042>>

Duff, Fiona J., and Charles Hulme, 'The Role of Children's Phonological and Semantic Knowledge in Learning to Read Words', *Scientific Studies of Reading*, 16.6 (2012), 504–25  
<<https://doi.org/10.1080/10888438.2011.598199>>

Dumay, Nicolas, and M. Gareth Gaskell, 'Sleep-Associated Changes in the Mental Representation of Spoken Words', *Psychological Science*, 18.1 (2007), 35–39  
<<http://www.jstor.org/stable/40064574>>

Goldin-Meadow, Susan, and Carolyn Mylander, 'Spontaneous Sign Systems Created by Deaf Children in Two Cultures', *Nature*, 391.6664 (1998), 279–81  
<<https://doi.org/10.1038/34646>>

Hauk, Olaf, Ingrid Johnsrude, and Friedemann Pulvermüller, 'Somatotopic Representation of Action Words in Human Motor and Premotor Cortex', *Neuron*, 41.2 (2004), 301–7  
<[https://doi.org/10.1016/S0896-6273\(03\)00838-9](https://doi.org/10.1016/S0896-6273(03)00838-9)>

Hay, Jennifer, and Katie Drager, 'Sociophonetics', *Annual Review of Anthropology*, 36 (2007), 89–103 <<https://www.jstor.org/stable/25064946>>

Henderson, Lisa M., Anna R. Weighall, Helen Brown, and M. Gareth Gaskell, 'Consolidation of Vocabulary Is Associated With Sleep in Children', *Developmental Science*, 15.5 (2012), 674–87 <<https://doi.org/10.1111/j.1467-7687.2012.01172.x>>

Hickok, Gregory, 'Computational Neuroanatomy of Speech Production', *Nature Reviews Neuroscience*, 13.2 (2012), 135–45 <<https://doi.org/10.1038/nrn3158>>

Hickok, Gregory, and David Poeppel, 'The Cortical Organization of Speech Processing', *Nature Reviews Neuroscience*, 8.5 (2007), 393–402 <<https://doi.org/10.1038/nrn2113>>

Johnson, Keith, Elizabeth A Strand, and Mariapaola D'Imperio, 'Auditory–Visual Integration of Talker Gender in Vowel Perception', *Journal of Phonetics*, 27.4 (1999), 359–84  
<<https://doi.org/10.1006/jpho.1999.0100>>

Kearney, Elaine, and Frank H. Guenther, 'Articulating: The Neural Mechanisms of Speech Production', *Language, Cognition and Neuroscience*, 34.9 (2019), 1214–29

<<https://doi.org/10.1080/23273798.2019.1589541>>

Kirby, S., H. Cornish, and K. Smith, 'Cumulative Cultural Evolution in the Laboratory: An Experimental Approach to the Origins of Structure in Human Language', *Proceedings of the National Academy of Sciences*, 105.31 (2008), 10681–86

<<https://doi.org/10.1073/pnas.0707835105>>

Kutas, Marta, and Kara D. Federmeier, 'Electrophysiology Reveals Semantic Memory Use in Language Comprehension', *Trends in Cognitive Sciences*, 4.12 (2000), 463–70

<[https://doi.org/10.1016/S1364-6613\(00\)01560-6](https://doi.org/10.1016/S1364-6613(00)01560-6)>

Ladefoged, Peter, *A Course in Phonetics* (New York: Harcourt Brace Jovanovich, 1975)

Levinson, Stephen C., 'Language and Cognition: The Cognitive Consequences of Spatial Description in Guugu Yimithirr', *Journal of Linguistic Anthropology*, 7.1 (1997), 98–131

<<https://doi.org/10.1525/jlin.1997.7.1.98>>

Linck, Jared A., Judith F. Kroll, and Gretchen Sunderman, 'Losing Access to the Native Language While Immersed in a Second Language: Evidence for the Role of Inhibition in Second-Language Learning', *Psychological Science*, 20.12 (2009), 1507–15

<<https://doi.org/10.1111/j.1467-9280.2009.02480.x>>

Loftus, Elizabeth F., and John C. Palmer, 'Reconstruction of Automobile Destruction: An Example of the Interaction Between Language and Memory.', *Journal of Verbal Learning and Verbal Behavior*, 13.5 (1974), 585–89

<[https://doi.org/10.1016/S0022-5371\(74\)80011-3](https://doi.org/10.1016/S0022-5371(74)80011-3)>

Lucy, J. A., and S. Gaskins, 'Grammatical Categories and the Development of Classification Preferences: A Comparative Approach', in *Language Acquisition and Conceptual Development* (Cambridge: Cambridge University Press, 2001), iii, 257–83

Manis, Franklin R., Mark S. Seidenberg, Lisa M. Doi, Catherine McBride-Chang, and Alan Petersen, 'On the Bases of Two Subtypes of Development Dyslexia', *Cognition*, 58.2 (1996), 157–95

<[https://doi.org/10.1016/0010-0277\(95\)00679-6](https://doi.org/10.1016/0010-0277(95)00679-6)>

Mano, Quintino R., Colin Humphries, Rutvik H. Desai, Mark S. Seidenberg, David C. Osmon, Ben C. Stengel, and others, 'The Role of Left Occipitotemporal Cortex in Reading: Reconciling Stimulus, Task, and Lexicality Effects', *Cerebral Cortex*, 23.4 (2013), 988–1001

<<https://doi.org/10.1093/cercor/bhs093>>

McCandliss, Bruce D., Laurent Cohen, and Stanislas Dehaene, 'The Visual Word Form Area: Expertise for Reading in the Fusiform Gyrus', *Trends in Cognitive Sciences*, 7.7 (2003), 293–99

<[https://doi.org/10.1016/S1364-6613\(03\)00134-7](https://doi.org/10.1016/S1364-6613(03)00134-7)>

McClelland, James L., Bruce L. McNaughton, and Randall C. O'Reilly, 'Why There Are Complementary Learning Systems in the Hippocampus and Neocortex: Insights From the Successes and Failures of Connectionist Models of Learning and Memory', *Psychological Review*, 102.3 (1995), 419–57

<<https://doi.org/10.1037/0033-295X.102.3.419>>

'PALS0009 Introduction to Speech Science: Audio Signals and Systems'

<<https://www.phon.ucl.ac.uk/courses/pals0009/week3.php>>

'PALS0009 Introduction to Speech Science: Consonants'  
<<https://www.phon.ucl.ac.uk/courses/pals0009/week6.php>>

'PALS0009 Introduction to Speech Science: Voice'  
<<https://www.phon.ucl.ac.uk/courses/pals0009/week4.php>>

'PALS0009 Introduction to Speech Science: Vowels'  
<<https://www.phon.ucl.ac.uk/courses/pals0009/week5.php>>

Patterson, Karalyn, Peter J. Nestor, and Timothy T. Rogers, 'Where Do You Know What You Know? The Representation of Semantic Knowledge in the Human Brain', *Nature Reviews Neuroscience*, 8.12 (2007), 976–87 <<https://doi.org/10.1038/nrn2277>>

Price, Cathy J., and Joseph T. Devlin, 'The Interactive Account of Ventral Occipitotemporal Contributions to Reading', *Trends in Cognitive Sciences*, 15.6 (2011), 246–53  
<<https://doi.org/10.1016/j.tics.2011.04.001>>

Purcell, Jeremy J., Jennifer Shea, and Brenda Rapp, 'Beyond the Visual Word Form Area: The Orthography–Semantics Interface in Spelling and Reading', *Cognitive Neuropsychology*, 31.5–6 (2014), 482–510 <<https://doi.org/10.1080/02643294.2014.909399>>

Quiroga, R. Quian, L. Reddy, G. Kreiman, C. Koch, and I. Fried, 'Invariant Visual Representation by Single Neurons in the Human Brain', *Nature*, 435.7045 (2005), 1102–7  
<<https://doi.org/10.1038/nature03687>>

Rapcsak, Steven Z., Pélagie M. Beeson, Maya L. Henry, Anne Leyden, Esther Kim, Kindle Rising, and others, 'Phonological Dyslexia and Dysgraphia: Cognitive Mechanisms and Neural Substrates', *Cortex*, 45.5 (2009), 575–91  
<<https://doi.org/10.1016/j.cortex.2008.04.006>>

Rastle, Kathleen, Samantha F. McCormick, Linda Bayliss, and Kathleen Rastle, 'Orthography Influences the Perception and Production of Speech.', *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37.6 (2011), 1588–94  
<<http://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=2011-17265-001&site=ehost-live>>

Rauschecker, Josef P., and Sophie K. Scott, 'Maps and Streams in the Auditory Cortex: Nonhuman Primates Illuminate Human Speech Processing', *Nature Neuroscience*, 12.6 (2009), 718–24 <<https://doi.org/10.1038/nn.2331>>

Raviv, Limor, Antje Meyer, and Shiri Lev-Ari, 'Larger Communities Create More Systematic Languages', *Proceedings of the Royal Society B: Biological Sciences*, 286.1907 (2019)  
<<https://doi.org/10.1098/rspb.2019.1262>>

Rayner, Keith, Barbara R. Foorman, Charles A. Perfetti, David Pesetsky, and Mark S. Seidenberg, 'How Psychological Science Informs the Teaching of Reading', *Psychological Science*, 2.2 (2001), 31–74 <<http://www.jstor.org/stable/40062357>>

Ricketts, Jessie, Kate Nation, and Dorothy V. M. Bishop, 'Vocabulary Is Important for Some, but Not All Reading Skills', *Scientific Studies of Reading*, 11.3 (2007), 235–57  
<<https://doi.org/10.1080/10888430701344306>>

- Ross, Michael, W. Q. Elaine Xun, and Anne E. Wilson, 'Language and the Bicultural Self', *Personality and Social Psychology Bulletin*, 28.8 (2002), 1040–50  
<<https://doi.org/10.1177/01461672022811003>>
- Rueckl, Jay G., Pedro M. Paz-Alonso, Peter J. Molfese, Wen-Jui Kuo, Atira Bick, Stephen J. Frost, and others, 'Universal Brain Signature of Proficient Reading: Evidence From Four Contrasting Languages', *Proceedings of the National Academy of Sciences*, 112.50 (2015), 15510–15 <<https://doi.org/10.1073/pnas.1509321112>>
- Schick, Brenda, Peter de Villiers, Jill de Villiers, and Robert Hoffmeister, 'Language and Theory of Mind: A Study of Deaf Children', *Child Development*, 78.2 (2007), 376–96  
<<https://doi.org/10.1111/j.1467-8624.2007.01004.x>>
- Schooler, Jonathan W., and Tonya Y. Engstler-Schooler, 'Verbal Overshadowing of Visual Memories: Some Things Are Better Left Unsaid', *Cognitive Psychology*, 22.1 (1990), 36–71  
<[https://doi.org/10.1016/0010-0285\(90\)90003-M](https://doi.org/10.1016/0010-0285(90)90003-M)>
- Schreiner, Thomas, and Björn Rasch, 'Boosting Vocabulary Learning by Verbal Cueing During Sleep', *Cerebral Cortex*, 25.11 (2015), 4169–79  
<<https://doi.org/10.1093/cercor/bhu139>>
- Schwartz, Ana I., and Judith F. Kroll, 'Bilingual Lexical Activation in Sentence Context', *Journal of Memory and Language*, 55.2 (2006), 197–212  
<<https://doi.org/10.1016/j.jml.2006.03.004>>
- Seidenberg, Mark S., 'The Science of Reading and Its Educational Implications', *Language Learning and Development*, 9.4 (2013), 331–60  
<<https://doi.org/10.1080/15475441.2013.812017>>
- Senghas, Ann, Sotaro Kita, and Asli Özyürek, 'Children Creating Core Properties of Language: Evidence from an Emerging Sign Language in Nicaragua', *Science*, 305.5691 (2004), 1779–82 <<https://www.jstor.org/stable/3837772>>
- Singleton, Jenny L., and Elissa L. Newport, 'When Learners Surpass Their Models: The Acquisition of American Sign Language From Inconsistent Input', *Cognitive Psychology*, 49.4 (2004), 370–407 <<https://doi.org/10.1016/j.cogpsych.2004.05.001>>
- Spaepen, E., M. Coppola, E. S. Spelke, S. E. Carey, and S. Goldin-Meadow, 'Number Without a Language Model', *Proceedings of the National Academy of Sciences*, 108.8 (2011), 3163–68 <<https://doi.org/10.1073/pnas.1015975108>>
- Spivey, Michael J., and Viorica Marian, 'Cross Talk Between Native and Second Languages: Partial Activation of an Irrelevant Lexicon', *Psychological Science*, 10.3 (1999), 281–84  
<<https://doi.org/10.1111/1467-9280.00151>>
- Tamminen, J., 'Lexical Consolidation', in *International Encyclopedia of the Social & Behavioral Sciences*, ed. by James D. Wright, 2nd Edition (Amsterdam: Elsevier, 2015), pp. 920–25 <<https://doi.org/10.1016/B978-0-08-097086-8.51044-7>>
- Tamminen, Jakke, Matthew H. Davis, Marjolein Merckx, and Kathleen Rastle, 'The Role of Memory Consolidation in Generalisation of New Linguistic Information', *Cognition*, 125.1

(2012), 107–12 <<https://doi.org/10.1016/j.cognition.2012.06.014>>

Tamminen, Jakke, and M. Gareth Gaskell, 'Novel Word Integration in the Mental Lexicon: Evidence From Unmasked and Masked Semantic Priming', *The Quarterly Journal of Experimental Psychology*, 66.5 (2013), 1001–25  
<<https://doi.org/10.1080/17470218.2012.724694>>

Tamminen, Jakke, Jessica D. Payne, Robert Stickgold, Erin J. Wamsley, and M. Gareth Gaskell, 'Sleep Spindle Activity Is Associated with the Integration of New Memories and Existing Knowledge', *Journal of Neuroscience*, 30.43 (2010), 14356–60  
<<http://www.jneurosci.org/content/30/43/14356>>

Tanenhaus, Michael K., Michael J. Spivey-Knowlton, Kathleen M. Eberhard, and Julie C. Sedivy, 'Integration of Visual and Linguistic Information in Spoken Language Comprehension', *Science*, 268.5217 (1995) <<https://www.jstor.org/stable/2888637>>

Taylor, J. S. H., 'The Influence of Consistency, Frequency, and Semantics on Learning to Read: An Artificial Orthography Paradigm.', *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37.1 (2011), 60–76  
<<http://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=2010-20426-001&site=ehost-live>>

Taylor, J. S. H., Fiona J. Duff, Anna M. Woollams, Padraic Monaghan, and Jessie Ricketts, 'How Word Meaning Influences Word Reading', *Current Directions in Psychological Science*, 24.4 (2015), 322–28 <<https://doi.org/10.1177/0963721415574980>>

Terrace, H. S., L. A. Petitto, R. J. Sanders, and T. G. Bever, 'Can an Ape Create a Sentence?', *Science*, 206.4421 (1979), 891–902 <<https://www.jstor.org/stable/1749272>>  
Trauzettel-Klosinski, Susanne, and Klaus Dietz, 'Standardized Assessment of Reading Performance: The New International Reading Speed Texts IReST', *Investigative Ophthalmology & Visual Science*, 53.9 (2012), 5452–61  
<<https://doi.org/10.1167/iovs.11-8284>>

Valian, Virginia, 'Bilingualism and Cognition', *Bilingualism: Language and Cognition*, 18.1 (2015), 3–24 <<https://doi.org/10.1017/S1366728914000522>>

Van Berkum, Jos J. A., Danielle van den Brink, Cathelijne M. J. Y. Tesink, Miriam Kos, and Peter Hagoort, 'The Neural Integration of Speaker and Message', *Journal of Cognitive Neuroscience*, 20.4 (2008), 580–91 <<https://doi.org/10.1162/jocn.2008.20054>>

Vinckier, Fabien, and Stanislas Dehaene, 'Hierarchical Coding of Letter Strings in the Ventral Stream: Dissecting the Inner Organization of the Visual Word-Form System', *Neuron*, 55.1 (2007), 143–56 <<https://doi.org/10.1016/j.neuron.2007.05.031>>

Walker, Matthew P., 'Sleep to Remember', *American Scientist*, 94.4 (2006), 326–33  
<<http://journals.sagepub.com/doi/abs/10.1177/1073858406292647>>

Watkins, K. E., F. Vargha-Khadem, J. Ashburner, R. E. Passingham, A. Connelly, K. J. Friston, and others, 'MRI Analysis of an Inherited Speech and Language Disorder: Structural Brain Abnormalities', *Brain*, 125.3 (2002), 465–78 <<https://doi.org/10.1093/brain/awf057>>

- Watkins, Kate E., Stephen M. Smith, Steve Davis, and Peter Howell, 'Structural and Functional Abnormalities of the Motor System in Developmental Stuttering', *Brain*, 131.1 (2007), 50–59 <<https://doi.org/10.1093/brain/awm241>>
- Wheat, Katherine L., Piers L. Cornelissen, Stephen J. Frost, and Peter C. Hansen, 'During Visual Word Recognition, Phonology Is Accessed within 100 Ms and May Be Mediated by a Speech Production Code: Evidence from Magnetoencephalography', *Journal of Neuroscience*, 30.15 (2010), 5229–33  
<<https://www.jneurosci.org/content/30/15/5229.short>>
- Winawer, Jonathan, Nathan Witthoft, Michael C. Frank, Lisa Wu, Alex R. Wade, and Lera Boroditsky, 'Russian Blues Reveal Effects of Language on Color Discrimination', *Proceedings of the National Academy of Sciences of the United States*, 104.19 (2007), 7780–85 <<http://www.jstor.org/stable/25427570>>
- Woollams, Ann M., 'Connectionist Neuropsychology: Uncovering Ultimate Causes of Acquired Dyslexia', *Philosophical Transactions of the Royal Society B: Biological Sciences*, 369.1634 (2013) <<https://doi.org/10.1098/rstb.2012.0398>>
- Woollams, Anna M., 'Connectionist Neuropsychology: Uncovering Ultimate Causes of Acquired Dyslexia', *Philosophical Transactions of the Royal Society B: Biological Sciences*, 369.1634 (2014) <<https://doi.org/10.1098/rstb.2012.0398>>
- , 'SD-Squared: On the Association Between Semantic Dementia and Surface Dyslexia.', *Psychological Review*, 114.2 (2007), 316–39  
<<http://search.ebscohost.com/login.aspx?direct=true&db=pdh&AN=2007-05396-004&site=ehost-live>>
- Woollams, Anna M., and Karalyn Patterson, 'The Consequences of Progressive Phonological Impairment for Reading Aloud', *Neuropsychologia*, 50.14 (2012), 3469–77  
<<https://doi.org/10.1016/j.neuropsychologia.2012.09.020>>
- Ziegler, Johannes C., Ludovic Ferrand, and Marie Montant, 'Visual Phonology: The Effects of Orthographic Consistency on Different Auditory Word Recognition Tasks', *Memory & Cognition*, 32.5 (2004), 732–41 <<https://doi.org/10.3758/BF03195863>>