from

A Bibliography of Literary Theory, Criticism and Philology

<http://bit.ly/abibliog>

by José Ángel García Landa

(University of Zaragoza, Spain)

# Neurolinguistics

Aboitiz, Francisco. *A Brain for Speech: A View from Evolutionary Neuroanatomy.* London: Palgrave Macmillan, 2017.

Aboitiz, Francisco, and Ricardo Garcia. "The Evolutionary Origin of the Language Areas in the Human Brain: A Neuroanatomical Perspective." *Brain Research Reviews* 25 (1997): 381-96.

\_\_\_\_\_. "Merging of Phonological and Gestural Circuits in Early Language Evolution." *Review of Neuroscience* 20.1 (2009): 71-84.

<http://www.ncbi.nlm.nih.gov/pubmed/19526735>

2011

Amunts, K., A. Schleicer, U. Burgel, H. Mohlberg, H. B. M. Uyling and K. Zilles. "Broca's Region Re-visited: Cytoarchitecture and Intersubject Variability." *Journal of Comparative Neurology* 421.1 (1999).

Arbib, Michael A. "Co-Evolution of Human Consciousness and Language." In *Cajal and Consciousness: Scientific Approaches to Consciousness on the Centennial of Ramón y Cajal's Textura.* Ed. Pedro C. Marijuán. New York: New York Academy of Sciences, 2001. 195-220.\*

Arbib, M., D. Caplan and J. Marshall, eds. *Neural models of Language Processes.* New York: Academic Press, 1982.

Bergen, Benjamin K. *Louder than Words: The New Science of How the Mind Makes Meaning.* Foreword by George Lakoff. New York: Perseus Books-Basic Books, 2012.\* (Meaning, psycholinguistics).

\_\_\_\_\_. *Louder than Words: The New Science of How the Mind Makes Meaning.* New York: Basic Books, 2012. Preview at *Amazon:*

<http://www.amazon.com/gp/product/0465028292>

2013

\_\_\_\_\_. *El cerebro y el lenguaje: De las palabras a los hechos.* Trans. Roc Filella.

Benzon, William L., and David G. Hays. "Metaphor, Recognition, and Neural Process." *American Journal of Semiotics* 5 (1987): 59-79.

Bhattacharjee, Yudhihit. "Why Bilinguals Are Smarter." *New York Times – Sunday Review* 17 March 2012.\*

<http://www.nytimes.com/2012/03/18/opinion/sunday/the-benefits-of-bilingualism.html>

2012

Bickerton, Derek, and E. Dzathmáry, eds. *Biological Foundations and Origin of Syntax.* Cambridge (MA): MIT Press, 2009.

Blumstein, Sheila E. "Neurolinguistics: An Overview of Language-Brain Relations." In *Linguistics: The Cambridge Survey. Vol. III.* Ed. F. Newmeyer. Cambridge: Cambridge UP, 1988.

\_\_\_\_\_. "Neurolingüística: Panorámica de las relaciones entre lenguaje y cerebro en la afasia." In *Panorama de la lingüística moderna de la Universidad de Cambridge. Vol. III: El lenguaje: Aspectos psicológicos y biológicos*. Ed. Frederick J. Newmeyer. Madrid: Visor, 1990.

Bookheimer, S. "Functional MRI of Language: New Approaches to Understanding the Cortical Organization of Semantic Processing." *Annual Review of Neuroscience* 25 (2002).

Bouchard, Denis. "From Neurons to Signs." In *The Evolution of Language.* Ed. Andrew D. M. Smith et al. New Jersey: World Scientific, 2010. 42-49.\*

Boulenger, V. "Grasping Ideas with the Motor System: Semantic Somototopy in Idiom Comprehension." *Cerebral Cortex* 19 (2008): 1905-14.

Bouton, C. *Neurolinguistics.* Plenum Press, 1991.

Bryden, M. *Laterality: Functional Assymetry in the Intact Brain.* New York: Academic Press, 1982.

Buckingham, H. W. "Neuropsychological Models of Language." In *Speech, Language and Hearing. Vol. 1.* Ed. N. Lass, L. McReynolds, J. Northern and D. Yoder.W. B. Saunders, 1982.

Calvin, W. H., and D. Bickerton. *Lingua ex Machina: Reconciling Darwin and Chomsky with the Human Brain.* Cambridge (MA): MIT Press, 2000.

Caplan, David. *Neurolinguistics and Linguistic Aphasiology.* Cambridge: Cambridge UP, 1987.

\_\_\_\_\_. "La base biológica del lenguaje." In *Panorama de la lingüística moderna de la Universidad de Cambridge. Vol. III: El lenguaje: Aspectos psicológicos y biológicos*. Ed. Frederick J. Newmeyer. Madrid: Visor, 1990.

Caplan, D. E., ed. *Brain Structure and Language Production: A Dynamic View.* Cambridge (MA): MIT Press, 1980.

Cherchi, Marcello. *Challenges in the Investigation of Cerebral Function: Neuroanatomical Substrates of Language Processing.* (Lincom Studies in Neurolinguistics 1). Munich: Lincom Europa.

Chomsky, Noam. *New Horizons in the Study of Language and Mind.* Cambridge: Cambridge UP, 2000.

Churchland, Patricia. *Neurophilosophy.* 1984.

Deacon, Terrence. "Lenguaje y cerebro." *Academia*.\*

<https://www.academia.edu/3152894/>

2018

Dennett, Daniel, Maxwell Bennett, Peter Hacker and John Searle. *Neuroscience and Philosophy: Brain, Mind, and Language.*

DeWitt, Iain, and Josef P. Rauschecker. "Phoneme and Word Recognition in the Auditory Ventral Stream. " *PNAS* 1 Feb. 2012.\*

<http://www.pnas.org/content/early/2012/01/31/1113427109.abstract?sid=eac14930-0b04-4877-94d0-709a71e44d49>

2012

Ding, Nai, et al. "Cortical Tracking of Hierarchical Linguistic Structures in Connected Speech." *Nature Neuroscience* 7 Dec. 2015.\*

<http://psych.nyu.edu/clash/dp_papers/Ding_nn2015.pdf>

2015

Fedorenko, Evelina. "Functional Localization in fMRI Studies of Language." *Ev Fedorenko's Home Page* at MIT.

<http://web.mit.edu/evelina9/www/funcloc.html>

2010

Fedorenko, E., P. Hsieh, A. Nieto-Castañón, S. Whitfield-Gabrieli, and N. Kanwisher. "A New Method for fMRI Investigations of Language: Defining ROIs Functionally in Individual Subjects." *Journal of Neurophysiology* (21 April 2010).

DOI:10.1152/jn.00032.2010

Feldman, Jerome A. *From Molecule to Metaphor: A Neural Theory of Language.* Cambridge (MA): MIT Press, 2008.

Fernández-Duque, D. "Cognitive and Neural Underpinnings of Syntactic Complexity." In *Syntactic Complexity.* Ed. T. Givón and M. Shibatani. (TSL, 85). Amsterdam: J. Benjamins, 2009.

Frankland, Steven M., and Joshua D. Greene. "An Architecture for Encoding Sentence Meaning in Left Mid-Superior Temporal Cortex." *PNAS* 112.37 (2015): 11732-737.\*

doi: 10.1073/pnas.1421236112

<http://www.pnas.org/content/112/37/11732.long>

2015

Friederici, A. "Brain Circuits of Syntax." In *Biological Foundations and Origin of Syntax.* Ed. D. Bickerton and E. Dzathmáry. Cambridge, MA: MIT Press, 2009.

Friederici, A. and J. Brauer. "Syntactic Complexity in the Brain." In *Syntactic Complexity.* Ed. T. Givón and M. Shibatani. (TSL #85). Amsterdam: J. Benjamins, 2009.

García Landa, José Ángel. "Bio/Neurolingüística." In García Landa, *Vanity Fea* November 2008.

<http://garciala.blogia.com/2008/112601-bio-neurolinguistica.php>

2008

\_\_\_\_\_. "Sincronización neural hablante-oyente." In García Landa, *Vanity Fea* 29 July 2010.\*

<http://vanityfea.blogspot.com/2010/07/sincronizacion-neural-hablante-oyente.html>

2010

\_\_\_\_\_. "Redes neuronales y consciencia." In García Landa, *Vanity Fea* 11 April 2012.\* (Ramón y Cajal).

<http://vanityfea.blogspot.com.es/2012/04/redes-neuronales-y-consciencia.html>

2012

\_\_\_\_\_. "Redes neuronales y consciencia (Ramón y Cajal un siglo después)." *Net Sight de José Angel García Landa* 7 Dec. 2022.\*

<https://personal.unizar.es/garciala/publicaciones/redesneuronales.html>

2022

Gazzaniga, Michael S. *Nature's Mind: The Biological Roots of Thinking, Emotions, Sexuality, Language and Intelligence.* 1994.

Geschwind, N. "Language and the Brain." *Scientific American* 226 (1972): 76-83.

\_\_\_\_\_. "Specializations of the Human Brain." In *The Emergence of Language: Development and Evolution.* Ed. W. S-Y. Wang. W. H. Freeman, 1991.

González, J., A. Barros-Loscertales, F. Pulvermüller, V. Meseguer, A. Sanjuán, V. Belloch, and C. Ávila. "Reading *cinnamon* Activates Olfactory Brain Regions." *Neuroimage* 32.2 (2006): 906-12.

Hagoort, P. "Reflections on the Neurobiology of Syntax." In *Biological Foundations and Origin of Syntax.* Ed. D. Bickerton and E. Szathmáry. Cambridge (MA): MIT Press, 2009.

Herff, Christian, et al. "Brain-to-Text: Decoding Spoken Phrases from Phone Representations in the Brain." *Frontiers of Neuroscience* 12 June 2015.\*

<http://journal.frontiersin.org/article/10.3389/fnins.2015.00217/full>

2015

Hughes, Virginia. "Does Language Shape What We See?" *Phenomena: Only Human* 13 August 2013.\*

<http://phenomena.nationalgeographic.com/2013/08/13/does-language-shape-what-we-see/>

2013

Huth, Alexander, Shinji Nishimoto, An T. Vu, and Jack L. Gallant. "A Continuous Semantic Space Describes the Representation of Thousands of Objects and Action Categories across the Human Brain." *Neuron* 76.6 (20 Dec. 2012): 1210-1224.\*

DOI: <http://dx.doi.org/10.1016/j.neuron.2012.10.014>

<http://www.cell.com/neuron/fulltext/S0896-6273%2812%2900934-8>

2016

Huth, Alexander G., Wendy A. de Heer, Thomas L. Griffiths, Frédéric E. Theunissen, and Jack L. Gallant. "Natural Speech Reveals the Semantic Maps that Tile Human Cerebral Cortex." Nature 27 April 2016.\*

<http://www.nature.com/nature/journal/v532/n7600/full/nature17637.html>

2016

Iaccino, J. *Left Brain-Right Brain Differences.* Erlbaum, 1993.

Jackson, J. Hughlings. "On Affections of Speech from Disease of the Brain." *Brain* 1 (1878): 304-330; 2 (1879): 203-22, 323-56.

Jorge, Judith de. "Crean una máquina que lee frases enteras del pensamiento." *ABC* 24 April 2019.\*

<https://www.abc.es/ciencia/abci-crean-maquina-frases-enteras-pensamiento-201904241902_noticia.html>

2019

Joseph, John E., Nigel Love, and Talbot J. Taylor. "Chomsky on Language as Biology." In Joseph, Love and Taylor, *Landmarks in Linguistic Thought II: The Western Tradition in the Twentieth Century.* (History of Linguistic Thought). London and New York: Routledge, 2001. 122-39.\*

Kaan, E. "Fundamental Syntactic Phenomena and their Putative Relation to the Brain." In *Biological Foundations and Origin of Syntax*. Ed. D. Bickerton and E. Szathmáry. Cambridge (MA): MIT Press, 2009.

Kean, Mary-Louise. "Estructuras cerebrales y capacidad lingüística." In *Panorama de la lingüística moderna de la Universidad de Cambridge. Vol. II: Teoría lingüística: Extensiones e implicaciones.* Ed. Frederick J. Newmeyer. Madrid: Visor, 1990.

Kean, Mary Louise. "Broca's and Wernicke's Aphasia."

<http://www-rohan.sdsu.edu/~gawron/intro/aphasia_cases.html>

2008

Kean, M.-L., ed. *Agrammatism.* Academic Press, 1985.

Kenneally, Christine. *The First Word: The Search for the Origins of Language.* USA: Viking Penguin, 2007.

\_\_\_\_\_. *The First Word: The Search for the Origins of Language.* London: Penguin, 2007.\* (Chomsky, Savage-Rumbaugh, Pinker, Paul Bloom, Lieberman, words, gestures, speech, structure, human brain, genetics, evolution).

Kimura, D. "The Asymmetry of the Human Brain." *Scientific American* 228 (1973): 70-78.

\_\_\_\_\_. "Sex Differences in Cerebral Organization for Speech and Praxic Functions." *Canadian Journal of Psychology* 37 (1983): 19-35.

Kroll, Judith F., Paola E. Dussias, Kinsey Bice and Lauren Perrotti. "Bilingualism, Mind, and Brain." *Annual Review of Linguistics* 1.1 (Jan. 2015).\*

<http://linguistics.annualreviews.org>

2015

Lebrun, Yvan. "The Neurology of Bilingualism." *Word* 27.1-2-3 (April-Aug.-Dec. 1971). Special issue: *Child Language-1975.* International Linguistic Association, 1976. 179-86.\*

Libben, Gary. "Brain and Language." In *Contemporary Linguistics: An Introduction.* Ed. William O'Grady, Michael Dobrovolsky and Francis Katamba. Harlow: Addison Wesley Longman, 1997. 1999. 416-37.\*

López García-Molins, Angel. "El origen del lenguaje como emergencia neuronal." *El Catoblepas* 135 (May 2013).\* (Video and text).

<http://www.nodulo.org/ec/2013/n134p01.htm>

2013

Love, R., and W. Webb. *Neurology for the Speech Language Pathologist.* Butterworth-Heinemann, 1992.

Lupyan, Gary, and Emily J. Ward. "Language Can Boost Otherwise Unseen Objects into Visual Awareness." *PNAS* 12 Aug. 2013.\*

Mar, R. A. "The Neural Bases of Social Cognition and Story Comprehension." *Annual Review of Psychology* 62 (2011): 103-34.

McCarthy, R., and E. Warrington. *Cognitive Neuropsychology.* Academic Press, 1990.

Murphy, Elliot. "No Country for Oldowan Men: Emerging Factors in Language Evolution." *Frontiers in Psychology* 19 June 2019.\*

<https://doi.org/10.3389/fpsyg.2019.01448>

<https://www.frontiersin.org/articles/10.3389/fpsyg.2019.01448/full>

2020

Newmeyer, Frederick J., ed. *Panorama de la lingüística moderna de la Universidad de Cambridge. Vol. III: El lenguaje: Aspectos psicológicos y biológicos*. Madrid: Visor, 1990.

Obler, Loraine K. and K. Jerlow. *Language and the Brain.* (Cambridge Approaches to Linguistics). Cambridge: Cambridge UP, 1999.

Obler, Loraine K., Robert J. Zatorre, Linda Galloway and Jyotsna Vaid. "Cerebral Lateralization in Bilinguals: Methodological Issues." In *The Bilingualism Reader.* Ed. Li Wei. London: Routledge, 2000. 2001. 381-93.\*

Paradis, Michel. "Language Lateralization in Bilinguals: Enough Already!" In *The Bilingualism Reader.* Ed. Li Wei. London: Routledge, 2000. 2001. 394-401.\*

Paul, Annie Murphy. "Your Brain on Fiction." *New York Times – Sunday Review*  17 March 2012.\*

<http://www.nytimes.com/2012/03/18/opinion/sunday/the-neuroscience-of-your-brain-on-fiction.html>

2012

Penfield, W., and L. Roberts. *Speech and Brain Mechanisms.* Princeton: Princeton UP, 1959.

Pinker, S., and P. Bloom. "Natural Language and Natural Selection." *Behavioural and Brain Sciences* 13 (1990): 707-27.

Rivera, Ángel. "Período crítico, maduración neurológica y lenguaje." *Psicobiología del género Homo* 15 Nov. 2014.\*

<https://psicobiologiadelgenerohomo.blogspot.com/2014/11/periodo-critico-maduracion-neurologica.html>

2020

\_\_\_\_\_. "Phylogenetic Origins of Human Abstraction, Symbolism and Language." *ResearchGate* (Feb. 2022).\*

<https://www.researchgate.net/publication/358618475>

2022

Ruiz, Isabel. "Cambian de hemisferio cerebral el área del lenguaje a un joven malagueño para extirparle un tumor." *ABC* 3 April 2019.\*

<https://sevilla.abc.es/andalucia/malaga/sevi-cambian-hemisferio-cerebral-area-lenguaje-joven-malagueno-para-extirparle-tumor-201904031427_noticia.html>

2019

Sample, Ian. "Neuroscientists Create 'Atlas' Showing How Words Are organised in the Brain." *The Guardian* 27 April 2016.\*

<https://www.theguardian.com/science/2016/apr/27/brain-atlas-showing-how-words-are-organised-neuroscience>

2016

Sapolsky, Robert. "This Is Your Brain on Metaphors." *On the Human* 14 Nov. 2010.\*

<http://onthehuman.org/2010/11/your-brain-on-metaphors/>

2013

Speer, N. K., J. R. Reynolds, K. M. Swallow, and J. M. Zacks. "Reading Stories Activates Neural Representations of Perceptual and Motor Experiences." *Psychological Science* (forthcoming 2009). Preprint at *Dynamic Cognition Laboratory, Washington U of St Louis.*

<http://dcl.wustl.edu/PDFs/SpeerInPress.pdf>

2008

Springer, Sally P., and Georg Deutsch. *Left Brain, Right Brain.* New York: W. H. Freeman, 1989. 1993.

Wolf, Maryanne. *Proust and the Squid: The Story and Science of the Reading Brain*. Harper, 2007.

Worsfold, Brian. "Do Differentiated Activation Regions in Broca's Area Produce Relative Formant Intensity Variation in 'Early' and 'Late' Speakers of English?" In *First International Conference on English Studies: Past, Present and Future: Costa de Almería, 19-25 de Octubre, 1997.* Ed. Annette Gomis et al. CD-ROM. Almería: U de Almería, n.d. [2001]\*

Yule, George. *The Study of Language.* Cambridge: Cambridge UP, 1996.\*

Zurif, E. B. "Language and the Brain." In *Language.* Ed. D. N. Osherson and H. Lasnik. Cambridge (MA): MIT Press, 1990.

Blogs

*Neurophilosophy.* Science blog (Mo Costandi, University College, London).

<http://scienceblogs.com/neurophilosophy/>

2008

Internet resources

*Academia (Terrence Deacon).\**

<https://berkeley.academia.edu/TerrenceDeacon>

2018

Journals

*Psycholinguistics & Neurolinguistics eJournal*

Elsevier - SSRN

<https://www.ssrn.com/link/Psycholinguistics-Neurolinguistics.html>

2021

Series

(Lincom Studies in Neurolinguistics 1). Munich: Lincom Europa.

Video

"CARTA: How Language Evolves: Language in the Brain." Symposium 20 Feb. 2015. *YouTube (University of California Television (UCTV))* 20 April 2015.\* (Evelina Fedorenko, Rachel Mayberry, Edward Chang).

<https://youtu.be/0aFMzANQd7A>

2016

Horno, Mamen. "Presentación libro de Mamen Horno "Un cerebro lleno de palabras." Interview by José Luis Mendívil. Video. *YouTube (Filosofía y Letras Zaragoza)* 15 April 2024.\*

<https://youtu.be/o8uQ8cuiNeU>

2024

See also Brain; Neurology.