

Contact information	<p>Address: Universitat de Barcelona Section of General Linguistics Gran Via de les Corts Catalanes, 585 08007 Barcelona, Spain</p>	<p>✉ pmartima23@alumnes.ub.edu ↗ http://ptmartins.info ⓘ 0000-0003-0987-7856 Research Group: ↗ http://bioling.ub.edu</p>
Research Interests	<p>Biolinguistics, Evolution of Language, Evolutionary Biology, Comparative Cognition, Cognitive Science, Phonology, Phonetics, Vocal Learning, Philosophy of Biology, Phonetic Transcription</p>	
Education	<p>PhD, Cognitive Science and Language Universitat de Barcelona, Spain Supervisors: Cedric Boeckx & Bridget Samuels</p> <p>M.Sc., Brain and Cognition Pompeu Fabra University, Spain Thesis: <i>Generalizing rules over clicks</i> Supervisors: Luca Bonatti & Juan Manuel Toro</p> <p>M.A., Cognitive Science and Language University of Barcelona, Spain Thesis: <i>Biolinguistics and Evo-Devo: Towards an Extended Synthesis for Language</i> Supervisor: Cedric Boeckx</p> <p>B.A., Language Sciences University of Porto, Portugal University of Helsinki, Finland (Erasmus period, 2010 – 2011) Final project: <i>Phonotactic restrictions sensitive to word limits</i> Supervisor: João Veloso</p> <p>EGG - Central and Eastern European Summer School in Generative Grammar University of Wrocław, Poland University of South Bohemia, České Budějovice, Czech Republic</p>	<p>2016 →</p> <p>2015</p> <p>2013</p> <p>2011</p> <p>2012</p> <p>2011</p>
Grants & Awards	<p>Student Support Grant (Ajuts de suport a la formació) Generalitat de Catalunya</p> <p>Travel stipend for “Features” Workshop at Tromsø on Oct–Nov 2013 University of Tromsø</p> <p>Best Poster Presentation – 2nd prize (w/ João Veloso) 45th Annual Meeting of the Societas Linguistica Europæa, University of Stockholm, Sweden</p> <p>Integration into Research Grant (BII – Bolsa de Iniciação à Investigação) Foundation for Science and Technology (FCT), Portugal</p> <p>Various travel grants/aids awarded by home institution University of Porto University of Barcelona Pompeu Fabra University</p>	<p>April – June, 2013</p> <p>June 2013</p> <p>September 1, 2012</p> <p>2008–2009</p> <p>2009 – 2011</p> <p>2012 →</p> <p>2016</p>
Projects	<p>Logodiversity: On the nature of linguistic unity and diversity Fundació Bosch i Gimpera/European Commission (PI: Cedric Boeckx) Research Assistant</p>	<p>June, 2013 – June, 2014</p>

Center of Linguistics of the University of Porto (PI: João Veloso)

Evolved from "Fonotáticas" (below), and besides further developing the work therein it focuses on making the data freely available on the web, along with related resources (maps, phonetic transcriptions, etc.); First version available at <http://cl.up.pt/arquivo/>

Fonotáticas: Arquivo Dialectal da FLUP/CLUP

September, 2008 – June, 2010

Center of Linguistics of the University of Porto (PI: João Veloso)

Data-base, acoustic treatment and linguistic analysis of sound recordings of European Portuguese collected over the last two decades.

Publications

.pdfs available at:
[ptmartins.info/
publications](http://ptmartins.info/publications)

Journal Articles

- [1] **Martins, P. T.**; Marí, M.; Boeckx, C. to appear. *SRGAP2* and the gradual evolution of the modern human language faculty. *Journal of Language Evolution*.
- [2] Theofanopoulou, C.; Gastaldon, S., O'Rourke, T.; Samuels, B. D.; Messner, A.; **Martins, P. T.**; Delogu, F.; Alamri, S.; Boeckx, C. 2017. Self-domestication in *Homo sapiens*: Insights from comparative genomics. *PLoS ONE* 12(10), e0185306. doi:10.1371/journal.pone.0185306.
- [3] Samuels, B.D.; **Martins, P.T.**; Boeckx, C. 2017. Linguistic knowledge by descent: an evolutionary approach to stress typology. 音声研究 [*Journal of the Phonetic Society of Japan*]. (特集テーマ：音声/音韻から言語の化石を発掘する：進化言語学の最新の知見 [Special issue: Excavating phonetic/phonological fossils in language: current trends in evolutionary linguistics]) 21(1): 71–78.
- [4] **Martins, P. T.**; Boeckx, C. 2016. What we talk about when we talk about biolinguistics. *Linguistics Vanguard* 2(1): doi:10.1515/lingvan-2016-0007.
- [5] Theofanopoulou, T.; **Martins, P. T.**; Ramirez, J.; Zhang, E.; Castillo, G.; Shi, E.; Alamri, S.; Martinez-Alvarez, A.; Leivada, E. 2015. Neurological foundations of language: Emerging perspectives. *Llengua, Societat i Comunicació* 13: 4–11. doi:10.1344/LSC2015.13.2
- [6] **Martins, P. T.**; Boeckx, C. 2014. Attention Mechanisms and the Mosaic Evolution of Speech. *Frontiers in Psychology* 5 (1463). doi:10.3389/fpsyg.2014.01463
- [7] Boeckx, C.; Leivada, E.; **Martins, P. T.** 2013. Language and Complexity Considerations: A Biolinguistic Perspective. *Llengua, Societat i Comunicació* 11: 20–26.

Book Chapters

- [8] **Martins, P. T.** to appear. There is no place for markedness in biologically-informed phonology. In Samuels, B. D. (ed.) *Beyond markedness in formal phonology*. Amsterdam: John Benjamins.
- [9] Boeckx, C.; **Martins, P. T.**; Leivada, E. 2017. Biolinguistics. In I. Roberts and A. Ledgeway (Eds.). *The Cambridge Handbook of Historical Syntax*. Cambridge: Cambridge University Press, 629–641. doi:10.1017/9781107279070
- [10] **Martins, P. T.**; Boeckx, C. 2016. Biolinguistics. In *Oxford research encyclopedia of linguistics*. Oxford/New York: Oxford University Press. doi:10.1093/acrefore/9780199384655.013.20
- [11] **Martins, P. T.**; Boeckx, C. 2016. Language evolution: insisting on making it a mystery or turning it into a problem?. In L. Dupuy, A. Grabizna, N. Foudon and P. Saint-Germier, (Eds.). *Papers dedicated to Anne Reboul*. Lyon.
- [12] **Martins, P. T.**; Leivada, E.; Benítez-Burraco, A.; Boeckx, C. 2016. Biological Pluralism in service of biolinguistics. In K. Fujita & C. Boeckx (Eds.). *Advances in Biolinguistics: The Human Language Faculty and its Biological Basis*. London: Routledge, 153–169.

In Proceedings

- [13] **Martins, P. T.** 2015. A Reemergência da Biolinguística. In *Textos Seleccionados do XXX Encontro da Associação Portuguesa de Linguística*. Braga: APL, 381–401.
- [14] Theofanopoulou, C.; Zhang, E. Q.; Alamri, S.; Castillo, G.; Shi, E. R.; **Martins, P. T.**; Martínez-Ferreiro, S.; Boeckx, C. 2015. Subcortical Structures and Language Disruption. *Stem-, Spraak- en Taalpathologie* 20 [Science of Aphasia 2015]: 169–171.
- [15] Rennie, I.; **Martins, P. T.** 2013. As realizações fonéticas de /R/ em português europeu: análise de um corpus dialetal e implicações no sistema fonológico. In: *Textos Seleccionados do XVIII Encontro da Associação Portuguesa de Linguística*. Coimbra: APL, 509–523.
- [16] Veloso, J.; **Martins, P. T.** 2013. Arquivo Dialectal do CLUP. In: *Textos Seleccionados do XVIII Encontro da Associação Portuguesa de Linguística*. Coimbra: APL, 673–692.
- [17] Veloso, J.; **Martins, P. T.** 2011. Etimologia não é morfologia: produtividade e composicionalidade na formação e processamento dos “compostos morfológicos” do português. In: Costa, A.; I. Falé & Pilar Barbosa (Eds.). *Textos Seleccionados do XXVI Encontro da Associação Portuguesa de Linguística*. Lisbon: APL, 558-573;

Reviews

- [18] **Martins, P. T.** 2014. The Bird is the Word (Review of “Birdsong, Speech, and Language: Exploring the Evolution of Mind and Brain” Ed. by Johan J. Bolhuis & Martin Everaert, 2013) *Biolinguistics* 8: 97–107;
- [19] **Martins, P. T.** 2012. Review of “Phonological Architecture: A Biolinguistic Perspective” (Bridget D. Samuels, 2011). *Linguística: Revista de Estudos Linguísticos da Universidade do Porto* 7: 209–216.

Others

- [20] **Martins, P. T.**; Leivada, E. 2014. Interview with Marc Hauser. *(Inter)views on Biolinguistics*. Biolinguistics Initiative Barcelona: Barcelona;
- [21] Boeckx, C.; Veloso, J.; **Martins, P. T.** 2011. Interview with Professor Cedric Boeckx (Catalan Institute for Advanced Studies & Universitat Autònoma de Barcelona). *elingUP* 3(1): 1-29;
- [22] Brandão de Carvalho, J.; Veloso, J.; Silva, F.; **Martins, P. T.** 2010. Entrevista com o Professor Joaquim Brandão de Carvalho (Univ. Paris VIII). *elingUP* 2(1): 3-10;
- [23] Lacerda, F.; Veloso, J. **Martins, P. T.** 2009. Entrevista com o Professor Francisco Lacerda (Universidade de Estocolmo). *elingUP* 1(1): 1-17.
- [24] **Martins, P.T.** 2010. A Importância do Acesso Livre. *elingUP* 2(1): 1-2.

Talks/Posters

2017/upcoming

- [1] **Martins, P. T.** *All-or-nothing theories of language tell us nothing*. Protolang 5. Universitat de Barcelona, Spain. September 26–28
- [2] Smilović, J.; Žnidaršič, M.; Valentinčič, A.; Lončarski, I.; Pahor, M.; **Martins, P. T.**; Pollak, S. *Automatic Analysis of Financial Annual Reports: a Case Study*. 18th International Conference on Computational Linguistics and Intelligent Text Processing. Pázmány Péter Catholic University, Faculty of Information Technology and Bionics, Budapest, Hungary. April 17–23
- [3] Theofanopoulou, C.; O’ Rourke, T.; Gastaldon, S.; Messner, A.; Samuels, B.; **Martins, P. T.**; Alamri, S.; Boeckx, C. *Paleogenomic evidence for self-domestication in Homo sapiens*. European Human Behavior and Evolution Association Annual Conference. École Normale Supérieure (ENS), Paris, France. April 6–8

2016

- [4] Veloso, J.; **Martins, P.T.** *Fiabilidade da transcrição fonética de dados de variação: a utilização do “Interjudge Agreement” como forma de validação de transcrição de segmentos dúbios em amostras dialetais*. Colóquio dos 40 anos do CLUP. University of Porto, Portugal. November 24–25
- [5] **Martins, P. T.**; Toro, J. M.; Bonatti, L. *Generalizing rules over clicks: Preliminary results*. DuCog 2016. Center for Advanced Academic Studies (University of Zagreb), Dubrovnik, Croatia. April 28–May 1 (poster)

2015

- [6] Alamri, S.; Zhang, E.; Theofanopoulou, C.; Castillo, G.; Shi, E.; **Martins, P. T.**; Martínez-Ferreiro, S.; Boeckx, C. *Implications of subcortical structures in Aphasia*. Academy of Aphasia 53rd Annual Meeting. Tucson, AZ, USA. October 18–20 (poster)
- [7] Zhang, E.; **Martins, P. T.**; Shi, E. *The multimodal origin of human speech*. Protolang 4. Rome Tre University, Italy. September 24–26
- [8] Theofanopoulou, C.; Zhang, E. Q.; Alamri, S.; Castillo, G.; Shi, E. R.; **Martins, P. T.**; Martínez-Ferreiro, S.; Boeckx, C. *Subcortical structures and language disruption*. 16 Science of Aphasia Conference. University of Aveiro, Portugal. September 17–22
- [9] **Martins, P. T.**; Samuels, B.; Boeckx, C. *What makes speech human-specific?* Biolinguistic Investigations on the Language Faculty. Instituto Universitario di Studi Superiori, Pavia, Italy. January 26–28.

2014

- [10] **Martins, P. T.** *A reemergência da biolinguística*. XXX Encontro Nacional da Associação Portuguesa de Linguística. University of Porto, Portugal. October 22–24
- [11] Leivada, E.; **Martins, P. T.**; Boeckx, C. *Biology and culture in the evolution of language: Addressing the gap*. “What made us human? Biological and cultural Evolution of Homo Sapiens” Workshop, International School of Ethology. Erice, Italy. October 14–19
- [12] Café Científico: *Què és allò que ens fa humans? [What makes us human?]*. Debate with David Comas and Mara Dierssen. Barcelona, Spain. May 22
- [13] Boeckx, C.; Leivada, E.; **Martins, P. T.**; Benítez-Burraco, A. *From the language-ready brain to full-fledged linguistic systems*. 11th International Conference on General Linguistics—Biological foundations of language, University of Navarra, Pamplona, Spain. May 21–23

2013

- [14] **Martins, P. T.** 2013. *Roundtable discussion: Where to go from here?*. Comparative Biolinguistics: An Exploratory Workshop, Universitat de Barcelona, Spain. November 28–29
- [15] Boeckx, C.; **Martins, P. T.**; Leivada, E. 2013. *Putting an End to Featuritis*. Features in phonology, morphology, syntax, and semantics: What are they?, University of Tromsø/CASTL, Norway. October 31–November 1
- [16] Boeckx, C.; Rosselló, J.; Martínez-Àlvarez, A.; **Martins, P. T.**; Leivada, E. 2013. *The role of the environment in the evolution of the language faculty*. Linguistic Sciences in the 21st Century: The Interdisciplinary Challenge - Beyond our primate inheritance: Neurobiological and evolutionary approaches to language, University of Cambridge, UK (poster). October 3–4
- [17] **Martins, P. T.** 2013. *Enhanced Motor Abilities as Speech Exaptations*. Linguistic Sciences in the 21st Century: The Interdisciplinary Challenge - Beyond our primate inheritance: Neurobiological and evolutionary approaches to language, University of Cambridge, UK (poster). October 3–4
- [18] **Martins, P. T.**; Leivada, E. 2013. *An Evolutionary Perspective on Language and Complexity*. Linguistic Sciences in the 21st Century: The Interdisciplinary Challenge - Beyond our primate inheritance: Neurobiological and evolutionary approaches to language, University of Cambridge, UK (poster). October 3–4

- [19] Leivada, E.; Boeckx, C.; Rosselló, J.; **Martins, P. T.**; Martínez-Álvarez, A. 2013. *The evolution of the language faculty: why the environment was key*. 3rd Annual Meeting of the European Society for the Study of Human Evolution, University of Vienna, Austria (poster). September 19–21
- [20] **Martins, P. T.**, Leivada, E. 2013. *Language and the Evolution of Complexity*. 3rd Annual Meeting of the European Society for the Study of Human Evolution, University of Vienna, Austria (poster). September 19–21
- [21] **Martins, P. T.** 2013. *Biolinguistics and Evo-Devo: Business as Usual?*. "What can an extended synthesis do for biolinguistics: On the needs and benefits of Evo-Devo-Logo" Workshop, International Conference on Evolutionary Patterns: Horizontal and Vertical Transmission in Micro- and Macroevolutionary Patterns of Biological and Sociocultural Evolution, Lisbon, Portugal. May 27–29
- [22] Boeckx, C.; Leivada, E.; Martínez-Álvarez, A.; **Martins, P. T.**; Rosselló, J. 2013. *On the Need of a New Concept: Syntactic Protolanguage*. Ways to Protolanguage 3, Wrocław, Poland. May 25–26
- [23] Leivada, E.; **Martins, P. T.** 2013. *(Biolinguistic) Primitives Lost in Translation*. 36th GLOW Colloquium - Workshop on Biolinguistics. Lund University, Sweden (poster). April 2–6
- [24] Benítez-Burraco, A.; Martínez Álvarez, A.; Leivada, E.; **Martins, P. T.**; Boeckx, C. 2013. *Language and Laterality: A More Nuanced View*. Tarragona Laterality Conference, Institut Català de Paleoeologia Humana i Evolució Social, Tarragona, Spain (poster). February 11–13

2012

- [25] Rennie, I.; **Martins, P. T.** 2012. *Algumas considerações sobre as realizações fonéticas de /R/ em português europeu*. XXVIII Encontro Nacional da Associação Portuguesa de Linguística, University of the Algarve, Portugal. October 25–27
- [26] Veloso, J.; **Martins, P. T.** 2012. *Tratamento linguístico e cartográfico de um conjunto de amostras dialetais do português europeu: primeiros resultados*. XXVIII Encontro Nacional da Associação Portuguesa de Linguística, University of the Algarve, Portugal. October 25–27
- [27] **Martins, P. T.**; Veloso, J. 2012. *Inter-judge agreement in transcribing dialectal data: a study of a corpus of dialectal Portuguese*. 45th Annual Meeting of the Societas Linguistica Europaea, Stockholm University, Sweden (poster; see Awards). August 29–September 1

2010

- [28] Veloso, J.; **Martins, P. T.** 2010. *Etimologia não é Morfologia*. XXVI Encontro Nacional da Associação Portuguesa de Linguística, University of Porto, Portugal. October 21–23
- [29] **Martins, P. T.**; Veloso, J. 2010. *Evidências do nível morfónico em português*. III Jornadas de Estudos Pós-Graduados em Fonologia, University of Porto, Portugal. June 26
- [30] Veloso, J.; **Martins, P. T.** 2010. *Phonotactic Constraints and Word Demarcation in Romance*. CUNY Conference on the Word, New York, NY, USA (poster). January 14–15

2009

- [31] **Martins, P. T.**; Gil Pires, M. 2009. *O Arquivo Dialectal da FLUP/CLUP*. Sessão pública de divulgação dos resultados do trabalho desenvolvido pelos bolseiros BII, Center of Linguistics of the University of Porto, Portugal. November 25
- [32] **Martins, P. T.**; Gil Pires, M. 2009. *Fonotáticas: Primeira Apresentação do Projecto Arquivo Dialectal da FLUP/CLUP*. II Jornadas de Estudos Pós-Graduados em Fonologia, Faculdade de Letras da Universidade do Porto, Portugal. April 19

2007

- [33] Cunha, A.; **Martins, P. T.**; Oliveira, A. Pinto, F. 2007. *JAVALI: Julgamentos de Valor Acerca da Variação Linguística: População do Porto*. Percepção e Apreciação das Variações Sociolectais e Dialectais no Português Europeu Contemporâneo, University of Porto, Portugal. December 21

Research groups & institutions	<p>Biolinguistics Initiative Barcelona 2012 → University of Barcelona</p> <p>Center for Brain and Cognition 2015 Pompeu Fabra University</p> <p>Center of Linguistics of the University of Porto 2008 – 2017</p>
Reviewing	<p>Journals</p> <p><i>Biolinguistics</i> 2013 <i>Frontiers in Psychology</i> 2015 (x2) <i>Llengua, Societat i Comunicació</i> 2015</p> <p>Conferences</p> <p><i>Evolang 12</i> 2017</p>
Conference & Workshop Organization	<p>Main Organizer/Program Committee</p> <p><i>Workshop on Lenneberg</i> (Barcelona) September 29, 2017 <i>Protolang 5</i> (Barcelona) September 26–28, 2017</p> <p>Assistance</p> <p><i>Comparative Biolinguistics: An Exploratory Workshop</i> (Barcelona) November 28 – 29, 2013 <i>ICREA International Symposium on Biolinguistics</i> (Barcelona) October 1 – 12, 2012 <i>Introduction to Biolinguistics</i> (Porto) November 8, 2011 <i>12º Colóquio da Associação de Crioulos de Base Lexical Portuguesa e Espanhola</i> (Porto) July 7 – 8, 2011 <i>12º QUID NOVI?</i> (Porto) June 14 – 15, 2011 <i>XXVI ENAPL</i> (Porto) October 23, 2010 <i>11º QUID NOVI?</i> (Porto) June 21, 2010 <i>XXV ENAPL</i> (Lisbon) October 22 – 24, 2010 <i>10º QUID NOVI?</i> (Porto) June 25 – 26, 2010</p>
Professional service	<p>Tutelage</p> <p>Tutelage of MA students Fall 2015 Interdisciplinary applications of linguistic Concepts (570515), University of Barcelona</p> <p>Teaching</p> <p>Introduction to L^AT_EX (w/ Oriol Borrega). Spring 2013 Short course taught at the University of Barcelona (4 sessions)</p> <p>Editorship</p> <p>Co-founding Editor (with João Veloso and Fátima Silva) of elingUP 2009 – 2011 Open-access electronic journal devoted to the work of students of the University of Porto. http://cl.up.pt/elingup/</p> <p>Proofreading, revising, indexing, typesetting (credited)</p> <p>Freitas, M. J.; Santos, A. L. 2017. <i>A aquisição de língua materna e não materna: Questões gerais e dados do português</i>. Berlin: Language Science Press (L^AT_EX typesetting, indexing)</p> <p>Bickerton, D. 2016. <i>Roots of Language</i> (Classics in Linguistics 3). Berlin: Language Science Press. (proofreading)</p>

Kempas, I.; Bartens, A. 2011. *Johdatus portugalin kielen ääntämiseen: Portugali ja Brasilia*. Seinäjoki: Seinäjoen korkeakoulukirjasto. **(revising)**

A short book on the pronunciation of European Portuguese for Finnish students

Translation

Translation and revision for the University of Porto of their **Moodle** *e-learning* platform, from English into European Portuguese.

Other Schools Attended	Introduction to Natural Phonology University of Porto, Portugal Taught by Prof. Miren Oñederra	July 2009
	Electroencephalography for Linguists University of Stockholm, Sweden Taught by Prof. Francisco Lacerda	May 2009
Membership	Central European Cognitive Science Association Associação Portuguesa de Linguística Association for Linguistic Typology	2015 → 2013 – 2016 2012 – 2015
Non-Academic Employment	Inbenta Technologies , Barcelona, Spain Computational Linguist	January, 2013 – December, 2015
IT & technical skills	Good knowledge of L^AT_EX Good knowledge of productivity & creativity software (Microsoft Office , Adobe CS , etc.) Good knowledge of speech analysis and synthesis software (e.g. PRAAT , MBROLA) Good knowledge of sound recording and editing software (professional DAWs) Familiarity with sound recording techniques and equipment Working knowledge of different programming/markup languages (namely for statistics, web design) (e.g. Python , R , HTML , CSS , Markdown) User of MacOS , Linux and Windows	
Languages	Portuguese (native); English (proficient); Spanish , Catalan (fair); French , Italian (reading); Slovenian , Finnish (basic)	

References upon request