

Pedro Tiago Martins

Section of General Linguistics, University of Barcelona

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(last update: January 11, 2018)

EDUCATION

- PhD, Cognitive Science and Language** 2016→
University of Barcelona, Spain
Supervisors: Cedric Boeckx & Bridget D. Samuels
- MSc, Brain and Language** 2015
Pompeu Fabra University, Spain
(Thesis: *Generalizing rules over clicks*. Supervisors: Luca Bonatti & Juan Manuel Toro.)
- MA, Cognitive Science and Language** 2013
University of Barcelona, Spain
(Thesis: *Biolinguistics and Evo-Devo: Towards an Extended Synthesis for Language*. Supervisor: Cedric Boeckx)
- BA, Language Sciences** 2011
University of Porto, Portugal

ADDITIONAL EDUCATION

- EGG - Central and Eastern European Summer School in Generative Grammar**
University of Wrocław, Poland 2012
University of South Bohemia, České Budějovice, Czech Republic 2011

GRANTS & AWARDS

- PhD Studentship (Bolsa de Doutoramento)** 2017→
Fundação para a Ciência e a Tecnologia (FCT), Portugal
- Student Support Grant (Ajuts de suport a la formació)** April–June, 2013
Generalitat de Catalunya, Spain
- Travel stipend for “Features” Workshop at Tromsø on Oct–Nov 2013** June 2013
University of Tromsø, Norway
- Best Poster Presentation – 2nd prize** (w/ João Veloso) September 1, 2012
45th Annual Meeting of the Societas Linguistica Europæa, University of Stockholm, Sweden
- Erasmus Grant** September 2010–July 2011
For 1-year stay abroad at the University of Helsinki, Finland
- Integration into Research Grant (BII – Bolsa de Iniciação à Investigação)** 2008–2009
Fundação para a Ciência e a Tecnologia (FCT), Portugal
- Various travel grants/aids awarded by home institution**
University of Porto 2009–2011
University of Barcelona 2012→
Pompeu Fabra University 2016

PROJECTS

- Logodiversity: On the nature of linguistic unity and diversity** June, 2013–June, 2014
Fundació Bosch i Gimpera/European Commission (PI: Cedric Boeckx)
(Research Assistant)

PUBLICATIONS

PAPERS

- [1] **Martins, P. T.**; Marí, M.; Boeckx, C. 2018. *SRGAP2* and the gradual evolution of the modern human language faculty. *Journal of Language Evolution*. [Advance article], lzx020. doi:[10.1093/jole/lzx020](https://doi.org/10.1093/jole/lzx020).
- [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](https://doi.org/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. *Journal of the Phonetic Society of Japan*. [Special issue: Excavating phonetic/phonological fossils in language: current trends in evolutionary linguistics] 21(1): 71–78. doi:[10.24467/onseikenkyu.21.1_71](https://doi.org/10.24467/onseikenkyu.21.1_71)
- [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](https://doi.org/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](https://doi.org/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](https://doi.org/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.** 2017. There is no place for markedness in biologically-informed phonology. In Samuels, B. D. (ed.) *Beyond markedness in formal phonology*. Amsterdam: John Benjamins, 219–232. doi:[10.1075/la.241.09mar](https://doi.org/10.1075/la.241.09mar)
- [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](https://doi.org/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](https://doi.org/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] Veloso, J.; **Martins, P. T.** to appear. O “Interjudge Agreement” como forma de validação de transcrições de amostras dialetais. *Atas do Colóquio dos 40 anos do CLUP*.
- [14] **Martins, P. T.** 2015. A Reemergência da Biolinguística. In *Textos Seleccionados do XXX Encontro da Associação Portuguesa de Linguística*. Braga: APL, 381–401.

- [15] 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.
- [16] Rennicke, 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.
- [17] 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.
- [18] 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

- [19] **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;
- [20] **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

- [21] **Martins, P. T.**; Leivada, E. 2014. Interview with Marc Hauser. *(Inter)views on Biolinguistics*. Biolinguistics Initiative Barcelona: Barcelona. ptmartins.info/papers/interviewhauser.pdf
- [22] Boeckx, C.; Veloso, J.; **Martins, P. T.** 2011. Interview with Professor Cedric Boeckx. *elingUP* 3(1): 1-29;
- [23] Brandão de Carvalho, J.; Veloso, J.; Silva, F.; **Martins, P. T.** 2010. Entrevista com o Professor Joaquim Brandão de Carvalho. *elingUP* 2(1): 3-10;
- [24] Lacerda, F; Veloso, J. **Martins, P. T.** 2009. Entrevista com o Professor Francisco Lacerda. *elingUP* 1(1): 1-17.
- [25] **Martins, P.T.** 2010. A Importância do Acesso Livre. *elingUP* 2(1): 1-2.

PRESENTATIONS

-
- [1] Alamri, S.; Muñoz, A.; O’Rourke, T.; **Martins, P. T.**; Boeckx, C. *The biocognitive ‘guns, germs, and steel’ underlying Homo sapiens’ unique material culture*. Workshop: ‘The ‘stuff’ of language: how should archaeology inform language origins studies?’, Evolang XII. Toruń, Poland. April 16, 2018
 - [2] **Martins, P. T.**; Boeckx, C. *Sound production learning and the Contiguity Hypothesis*. Evolang XII. Toruń, Poland. April 16–19, 2018
 - [3] **Martins, P. T.** *All-or-nothing theories of language tell us nothing*. Protolang 5. Universitat de Barcelona, Spain. September 26–28, 2017
 - [4] Smailović, 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, 2017
 - [5] 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, 2017

- [6] 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, 2016
- [7] **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, 2016 (poster)
- [8] 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, 2015 (poster)
- [9] Zhang, E.; **Martins, P. T.**; Shi, E. *The multimodal origin of human speech*. Protolang 4. Rome Tre University, Italy. September 24–26, 2015
- [10] 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, 2015
- [11] **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, 2015
- [12] **Martins, P. T.** *A reemergência da biolinguística*. XXX Encontro Nacional da Associação Portuguesa de Linguística. University of Porto, Portugal. October 22–24, 2014
- [13] 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, 2014
- [14] Café Científico: *Què és allò que ens fa humans? [What makes us human?]*. Debate with David Comas and Mara Dierssen. Barcelona, Spain. May 22, 2014
- [15] 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, 2014
- [16] **Martins, P. T.** *Roundtable discussion: Where to go from here?*. Comparative Biolinguistics: An Exploratory Workshop, Universitat de Barcelona, Spain. November 28–29, 2013
- [17] Boeckx, C.; **Martins, P. T.**; Leivada, E. *Putting an End to Featuritis*. Features in phonology, morphology, syntax, and semantics: What are they?, University of Tromsø/CASTL, Norway. October 31–November, 2013
- [18] Boeckx, C.; Rosselló, J.; Martínez-Àlvarez, A.; **Martins, P. T.**; Leivada, E. *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, 2013
- [19] **Martins, P. T.** *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, 2013
- [20] **Martins, P. T.**; Leivada, E. *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, 2013
- [21] Leivada, E.; Boeckx, C.; Rosselló, J.; **Martins, P. T.**; Martínez-Àlvarez, A. *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
- [22] **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, 2013

- [23] **Martins, P. T.** *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, 2013
- [24] Boeckx, C.; Leivada, E.; Martínez-Álvarez, A.; **Martins, P. T.**; Rosselló, J. *On the Need of a New Concept: Syntactic Protolanguage*. Ways to Protolanguage 3, Wrocław, Poland. May 25–26, 2013
- [25] Leivada, E.; **Martins, P. T.** *(Biolinguistic) Primitives Lost in Translation*. 36th GLOW Colloquium - Workshop on Biolinguistics. Lund University, Sweden (poster). April 2–6, 2013
- [26] Benítez-Burraco, A; Martínez Álvarez, A; Leivada, E; **Martins, P. T.**; Boeckx, C. *Language and Laterality: A More Nuanced View*. Tarragona Laterality Conference, Institut Català de Paleoecologia Humana i Evolució Social, Tarragona, Spain (poster). February 11–13, 2013
- [27] Renniecke, I.; **Martins, P. T.** *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, 2012
- [28] Veloso, J.; **Martins, P. T.** *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, 2012
- [29] **Martins, P. T.**; Veloso, J. *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, 2012
- [30] Veloso, J.; **Martins, P. T.** *Etimologia não é Morfologia*. XXVI Encontro Nacional da Associação Portuguesa de Linguística, University of Porto, Portugal. October 21–23, 2010
- [31] **Martins, P. T.**; Veloso, J. *Evidências do nível morfológico em português*. III Jornadas de Estudos Pós-Graduados em Fonologia, University of Porto, Portugal. June 26, 2010
- [32] Veloso, J.; **Martins, P. T.** *Phonotactic Constraints and Word Demarcation in Romance*. CUNY Conference on the Word, New York, NY, USA (poster). January 14–15, 2010
- [33] **Martins, P. T.**; Gil Pires, M. *O Arquivo Dialectal da FLUP/CLUP*. Sessão pública de divulgação dos resultados do trabalho desenvolvido pelos bolsiros BII, Center of Linguistics of the University of Porto, Portugal. November 25, 2009
- [34] **Martins, P. T.**; Gil Pires, M. *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, 2009
- [35] Cunha, A.; **Martins, P. T.**; Oliveira, A. Pinto, F. *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, 2007

RESEARCH GROUPS & OTHER AFFILIATIONS

University of Barcelona Institute of Complex Systems	2017→
Biolinguistics Initiative Barcelona (Main research group)	2012→
Center for Brain and Cognition (Pompeu Fabra University)	2015
Center of Linguistics of the University of Porto (Collaborator, Phonology Group)	2008→

SERVICE

REVIEWING

Journals

Biolinguistics (2013); *Frontiers in Psychology* (2015×2); *Llengua, Societat i Comunicació* (2015)

Conferences

Evolang (2017)

CONFERENCE & WORKSHOP ORGANIZATION

Main organizer/Committee

Workshop on Lenneberg (Barcelona)

September 29, 2017

Protolang 5 (Barcelona)

September 26–28, 2017

Assistance

Comparative Biolinguistics: An Exploratory Workshop (Barcelona)

November 28–29, 2013

ICREA International Symposium on Biolinguistics (Barcelona)

October 1–12, 2012

Introduction to Biolinguistics (Porto)

November 8, 2011

12º Colóquio da Associação de Crioulos de Base Lexical Portuguesa e Espanhola (Porto)

July 7–8, 2011

12º QUID NOVI? (Porto)

June 14–15, 2011

XXVI ENAPL (Porto)

October 23, 2010

11º QUID NOVI? (Porto)

June 21, 2010

XXV ENAPL (Lisbon)

October 22–24, 2010

10º QUID NOVI? (Porto)

June 25–26, 2010

TEACHING

Guest lectures and tutelage of MA students

Fall 2015

Interdisciplinary applications of linguistic Concepts (570515), University of Barcelona

Introduction to L^AT_EX (w/ Oriol Borrega).

Spring 2013

Short course taught at the University of Barcelona (4 sessions)

EDITORSHIP

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.

PROOFREADING, REVISING, INDEXING, TYPESETTING (CREDITED)

Freitas, M. J.; Santos, A. L. 2017. *A aquisição de língua materna e não materna: Questões gerais e dados do português*. Berlin: Language Science Press (proofreading, typesetting, indexing)

Bickerton, D. 2016. *Roots of Language* (Classics in Linguistics 3). Berlin: Language Science Press. (proofreading)

Kempas, I.; Bartens, A. 2011. *Johdatus portugalín kielen ääntämiseen: Portugalí ja Brasilía*. Seinäjoki: Seinäjoen korkeakoulukirjasto. (revising)

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

July 2009

University of Porto, Portugal

Taught by Miren Oñederra

Electroencephalography for Linguists
University of Stockholm, Sweden
Taught by Francisco Lacerda

May 2009

PROFESSIONAL SOCIETIES

Central European Cognitive Science Association	2015→
Associação Portuguesa de Linguística	2013–2016
Association for Linguistic Typology	2012–2015
Societas Linguistica Europæa	2012–2015

TECHNICAL SKILLS

Typesetting, productivity: L^AT_EX, Adobe CS
Speech analysis/synthesis: PRAAT, MBROLA
Audio recording, editing: Reaper, Logic Pro, Audacity; sound recording techniques and equipment
Programming, markup: Some knowledge of Python, R; good knowledge of HTML, CSS, Markdown
OS: MacOS, Linux, Windows

LANGUAGES

Portuguese (native)
English (proficient)
Spanish (advanced)
Catalan (fair)
French, Italian (reading)
Slovenian, Finnish (basic)

NON-ACADEMIC POSITIONS

Inbenta Technologies , Barcelona, Spain (Computational Linguist)	January, 2013–December, 2015
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