

# Diego Gabriel Krivochen

## 1. Personal details:

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Web sites:

*Academia.edu*: <https://independentresearcher.academia.edu/DiegoGabrielKrivochen>

*Researchgate*: [https://www.researchgate.net/profile/Diego\\_Krivochen](https://www.researchgate.net/profile/Diego_Krivochen)

*Google Scholar*: <https://scholar.google.com/citations?user=hZlCd5gAAAAJ&hl=en&authuser=1>

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Date of the CV: 07/2020

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## Profile

My training as a linguist builds upon my undergraduate studies in Classical and Spanish philology; later on focused on Spanish grammar, English grammar, semantics, comparative syntax, and formal language theory. I am an active researcher with a current focus on auxiliary verb constructions in Spanish and English, the theory of locality in grammar, and the syntax of coordinated structures and embedding in Spanish and English. My research into the detailed properties of these constructions led me to develop interest and expertise in the mathematical and logical aspects of linguistic description and theory. I completed a funded PhD investigating the formal and computational mechanisms underpinning locality phenomena in natural language. The model of language developed in the thesis built on insights from grammar as much as from dynamical systems theory and mathematics. My approach is highly interdisciplinary, allowing me to work with neuroscientists and psychologists as well as linguists, but I am always guided by the need to provide insightful grammatical analyses for natural language phenomena from a synchronic and comparative standpoint.

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## 2. Degrees:

2014 – 2018	Doctor in Philosophy in Linguistics, University of Reading, UK. Supervisor: Prof. Dr. James Douglas Saddy (University of Reading).
2008 – 2013	Licenciatura en Inglés, Orientación Lingüística. Universidad Nacional de La Plata, Argentina. Supervisor: Prof. Dr. Manuel Leonetti Jungl (Universidad de Alcalá de Henares, Spain). Global average mark: 9,57 / 10.
2007 – 2009	Licenciatura en Letras. Universidad Nacional de La Plata, Argentina.

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## 3. Language skills

Spanish – native speaker

English – near-native proficiency (C2)

Italian – beginner (A2)

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## 4. Current Employment

**April, 2020 – July, 2020: Invited professor, Università di Verona, Italy**

I delivered a course for the Dipartimento di Culture e Civiltà, MA in Linguistics: *Formal syntax and semantics: issues of computation, description, and interpretation.*

**February, 2020 – July, 2020: Professore a contratto, Università di Verona, Italy**

I am in charge of the course *Lengua Española III* (Dipartimento di Lingue e Letterature Straniere) for the *Laurea in Lingue e culture per il turismo e il commercio internazionale* (BA), with more than 150 students.

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## 5. Previous work experience

### ***April, 2019 – July, 2019: Invited professor, Università di Verona, Italy***

I delivered a course for the Dipartimento di Culture e Civiltà, MA in Linguistics: *Teoria formale dei linguaggi e grammatica: dalla commutazione alla descrizione linguistica* (Formal Language Theory and Natural Language Grammar: from computation to linguistic description).

### ***November, 2017 – April, 2019: (post-doctoral) research assistant, University of Reading, UK.***

I took part in the development artificial grammar learning (AGL) paradigms which were used as language independent probes for language impairments across a variety of populations (monolinguals, bilinguals, dyslexics, non-dyslexics). The formal aspects of the project are intimately related to aspects of AGL and the relations between artificial grammars, formal systems, and the substratum that underlies cognitive operations. In this context, I created a classification for Lindenmayer systems based on their formal properties which is now being used in experimental work at the universities of Reading (UK), Verona (Italy), and Geneva (Switzerland), and supervised the application of the formal grammars in the development of experimental protocols. This work, which involved collaboration with psycholinguists and cognitive scientists, was carried out in the context of the EU grant *Advancing the European Multilingual Experience*, AthEME.

### ***September 2014 – April 2018: research PhD student, University of Reading, UK.***

I obtained my PhD in Linguistics from the University of Reading in 2018 with a thesis entitled ‘Aspects of Emergent Cyclicity in Language and Computation’, supervised by Prof. Dr. James Douglas Saddy. The focus of my dissertation was the emergence of locality conditions in the grammar; the analysis of computation in purely formal terms and how computation is carried out on cognitive systems was a crucial aspect of my thesis. The core of this work argued for a ‘mixed computation’ approach to natural language syntax, whereby sentences are assigned structural descriptions whose computational properties vary locally based on semantic requirements. A case study of the syntax and semantics of the *et* and *que* conjunctions contrasts in Latin, and an extension of this system to the grammar of coordinated structures in English and Spanish was used to ground the investigations. My thesis explored consequences of the ‘mixed computation’ hypothesis for the theory of strict cyclicity (including a novel account of J. R. Ross’ *Coordinate Structure Constraint* effects) as well as the interplay between Chomsky-normal grammars and Lindenmayer systems. In this context, I explored the relation between formal language theory and descriptively and explanatorily adequate theories of natural language.

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## 6. Research funding and scholarships

October 2014	University of Reading International Research Studentships Competition 2014. Full tuition fee coverage during the duration of the PhD.
October 2014	Living Expenses Award from AthEME project (Advancing the European Multilingual Experience, grant agreement no. 613465).

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## 7. Research output:

### Theses:

**Krivochen, D. G.** (2018) *Aspects of Emergent Cyclicity in Language and Computation: arguments for mixed computation*. University of Reading.

**Krivochen, D. G.** (2013) *On the syntax and semantics of nominal constructions*. Tesis de Licenciatura, Universidad Nacional de La Plata.

Monographs:

**Krivochen, D. G.** (2019) *Syntax as Graph Theory*. Expected submission 2020.

García Fernández, L. & **D. G. Krivochen** (2019) *Las perifrasis verbales en contraste*. Madrid: Arco Libros.

**Krivochen, D. G.** & P. Kosta (2013) *Eliminating Empty Categories: a Radically Minimalist view on their Ontology and Justification*. Potsdam Linguistic Investigations 11. Peter Lang Publishers.

**Krivochen, D. G.** (2012) *The Syntax and Semantics of the Nominal Construction*. Potsdam Linguistic Investigations 8, Peter Lang Publishers.

Peer reviewed journal articles:

**Krivochen, D. G.** & L. García Fernández (under review) On Coordination and Clitic Climbing in Spanish Auxiliary Verb Constructions. Ms.

**Krivochen, D. G.** & S. F. Schmerling (under review) A Categorical Grammar for semi-lexical categories: The case of Spanish auxiliary chains. Ms.

**Krivochen, D. G.** & S. F. Schmerling (under review) Two kinds of coordination and their theoretical implications: rethinking structural uniformity. Ms.

**Krivochen, D. G.** (2020) On NEG lowering into quantifiers. In press in *Acta Linguistica Hafniesia*.

García Fernández, L. & **D. G. Krivochen** (2020) Formas no finitas duplicadas en las cadenas de verbos auxiliares. *Revista Internacional de Lingüística Iberoamericana* 35. 143-170.

Vender, M., **D. G. Krivochen**, A. Compostella, B. Phillips, D. Delfitto & J. D. Saddy (2020) Disentangling sequential from hierarchical learning in Artificial Grammar Learning: Evidence from a modified Simon Task. *PLOS ONE* 15(5): e0232687. <https://doi.org/10.1371/journal.pone.0232687>

**Krivochen, D. G.** (2020) On intensive endophoric devices in English. *Studia Anglica Posnaniensia* 54 (2019): 81–112. <https://doi.org/10.2478/stap-2019-0005>

**D. G. Krivochen** & Lacková, L'. (2020) Iconicity in syntax and the architecture of linguistic theory. *Studies in Language* 44(1). 95-131. <https://doi.org/10.1075/sl.19017.lac>

**Krivochen, D. G.** & A. Bravo (2019) Dobles pasivas y auxiliares de pasiva léxicos. *Revista de la Sociedad Española de Lingüística* 49(4). 73-100.

García Fernández, L. & **D. G. Krivochen** (2019) Dependencias no locales y cadenas de verbos auxiliares. *Verba*, 43. 207-244. <http://dx.doi.org/10.15304/verba.46.4567>

Vender, M., **D. G. Krivochen**, B. Phillips, D. Delfitto & J. D. Saddy (2019) Implicit learning, bilingualism and dyslexia: Insights from a study assessing AGL with a modified Simon Task. *Frontiers in Psychology: Language Sciences* 2019(10): 1647. <https://www.frontiersin.org/articles/10.3389/fpsyg.2019.01647/full>

**Krivochen, D. G.** (2019) De Morgan's laws and NEG-raising: a syntactic view. *Linguistic Frontiers* 9(1). 1-10. DOI: 10.2478/lf-2018-0009

**Krivochen, D. G.** & L. García Fernández (2019) On the position of subjects in Spanish periphrases: Subjecthood left and right. *Borealis: An international journal of Hispanic linguistics*, 8(1), 1-33. <https://doi.org/10.7557/1.8.1.4687>

**Krivochen, D. G.** (2019) On trans-derivational operations: Generative Semantics and Tree Adjoining Grammar. *Language Sciences* 74. 47-76. <https://doi.org/10.1016/j.langsci.2019.04.002>

Schmerling, S. F. & **D. G. Krivochen** (2018) On Non-Progressive 'Being'. *Canadian Journal of Linguistics*, 63(1). 112-119. <http://dx.doi.org/10.1017/cnj.2017.38>

García Fernández, L., **D. G. Krivochen** & A. Bravo (2017) Aspectos de la semántica y sintaxis de las cadenas de verbos auxiliares en español. *Moenia*, 23. 1-28.

**Krivochen, D. G.** & J. D. Saddy (2016) Structure mapping: Uniformity vs. Mixture in Displacement. *Czech and Slovak Linguistic Review* 2/2016. 17-46.

**Krivochen, D. G.** (2016) Divide and...conquer? On the limits of algorithmic approaches to syntactic-semantic structure. *Czech and Slovak Linguistic Review* 1/2016. 15-38.

**Krivochen, D. G.** (2016) Economía computacional y categorías procedimentales. *Estudios Interlingüísticos* 4. 77-98.

**Krivochen, D. G.** (2016) On the Realism-Conceptualism debate about the ontology of linguistic objects: theoretical and epistemological consequences. *Linguistic and Philosophical Investigations* 15. 115-166.

Bravo, A., L. García Fernández & **D. G. Krivochen** (2015) On Auxiliary Chains: Lexical and Functional Auxiliaries at the syntax-semantics interface. *Borealis: An International Journal of Hispanic Linguistics*, 4(2). 71-101. <https://doi.org/10.7557/1.4.2.3612>

**Krivochen, D. G.** (2015) Copies and Tokens: Displacement Revisited. *Studia Linguistica* 70(3). 250-296. <https://doi.org/10.1111/stul.12044>

**Krivochen, D. G.** (2015) On Phrase Structure building and Labeling algorithms: towards a non-uniform theory of syntactic structures. *The Linguistic Review* 32(3). 515-572. <https://www.degruyter.com/view/journals/tlir/32/3/article-p515.xml>

**Krivochen, D. G.** (2014) Language, chaos and entropy: A physical take on biolinguistics. *Iberia: IJTL* 6. 27-74. <https://ojs.publius.us.es/ojs/index.php/iberia/article/view/3006/2618>

**Krivochen, D. G.** (2014) (Anti-)Causativity and the Morpho-Phonology-Semantics Tension. *Semantics-Syntax Interface* 1(2). 82-117.

**Krivochen, D. G.** (2014) Clitics, Procedural elements, and Spanish Syntax. *ReVEL* 12 (22) March, 2014. 43-79. <http://www.revel.inf.br/files/c1309914d42b1e7c2fd5cc9f5f75f6a0.pdf>

**Krivochen, D. G.** (2013) Verbos de ascenso como expresiones modales. *Anuari de Filologia. Estudis de Lingüística* 3 (2013). 33-56.

**Krivochen, D. G.** (2013) Dependencias (Anti-)Locales en Latín. *AUSTER*, 2012 (17). 97-122.

Kosta, P. & **D. G. Krivochen** (2013) Some Thoughts on Language Diversity, UG and the Importance of Language Typology: Scrambling and Non-Monotonic Merge of Adjuncts and Specifiers in Czech and German. *Zeitschrift für Slavistik*. 57(4): 377-407.

**Krivochen, D. G.** (2012) Cuantificadores y Determinantes: Una perspectiva de interfaz. *Iauna*. Vol. 12 (2012) 57-84. <http://www.romaniaminor.net/ianua/Ianua12/O4.pdf>

**Krivochen, D. G.** (2011) The Syntax of Spanish Relational Adjectives. *Sorda y Sonora*, 1(2). 15-28.

**Krivochen, D. G.** (2011) An Introduction to Radical Minimalism I: on Merge and Agree. *IBERIA*, 3(2). 20-62. <http://www.siff.us.es/iberia/index.php/ij/article/view/54/59>

Book chapters (peer reviewed):

Matlach, V., **D. G. Krivochen** & J. Milicka (to appear) A method for comparison of general sequences via type-token ratio. To appear in *Proceedings of QUALICO 2018*, A. Pawłowski et al. (eds.). Amsterdam: John Benjamins.

**Krivochen, D. G.** & L. García Fernández (2020) Variability in syntactic-semantic cycles: evidence from auxiliary chains. In Melvin González-Rivera & Sandro Sessarego (eds.) *Interface-Driven Phenomena in Spanish: Essays in honor of Javier Gutiérrez-Rexach*. London: Routledge. 145-168.

Saddy, J. D., K. Sloan & **D. G. Krivochen** (2019) Whoever that likes relatives... In Ken Ramshøj Christiansen, Henrik Jørgensen & Joanna L. Wood (eds.) *The Sign of the V: Papers in Honour of Sten Vikner*. Aarhus University. 523-544.

**Krivochen, D. G.** (2017) Dinamicidad topológica en fractales sintácticos. In Manuel Leonetti, Isabel Pérez Jiménez & Silvia Gumiel Molina (eds.) *Investigaciones actuales en Lingüística* Vol. III. Universidad de Alcalá. 79-93.

Kosta, P. & **D. G. Krivochen** (2014) Inner Islands and Negation: The Case of Which-Clauses and As-clauses Revisited. In Jacek Witkos and Sylwester Jaworski (eds.) *New Insights into Slavic Linguistics*. 203-217.

Kosta, P. & **D. G. Krivochen** (2014) Flavors of Movement: Revisiting A vs. A'. In Peter Kosta, Steven Franks, Teodora Radeva-Bork & Lilia Schürks (eds.) *Minimalism and Beyond: Radicalizing the Interfaces*. Amsterdam: John Benjamins. 251 – 282.

**Krivochen, D. G.** (2014) La Teoría del Ligamiento en cuestionamiento: Anáforas a Larga Distancia y sintaxis latina. In Julián Macías (ed.) *La antigüedad grecolatina en debate*. Buenos Aires, Rthesis. 62-72.

Book reviews:

**Krivochen, D. G.** (2013) At the Interface of (Bio)linguistics, Language Processing, and Neuropsychology (review of Montserrat Sanz, Itziar Laka & Michael Tanenhaus (eds.) (2013) *Language Down the Garden Path: The Cognitive and Biological Basis for Linguistic Structures*. Oxford: Oxford University Press.). *Biolinguistics* 8. 141-162. <http://www.biolinguistics.eu/index.php/biolinguistics/article/view/347/333>

Peer-reviewed conference presentations:

July 5, 2018 Randomness classification. *QUALICO*, 2018. Wrocław, Poland. (Matlach, V., **D. G. Krivochen**, J. Milicka & L. Zamecnik)

January 26, 2018 Dobles pasivas y auxiliares de pasiva léxicos. *XLVII Congreso de la Sociedad Española de Lingüística*. Universidad de Alicante, Spain. (**Krivochen, D. G.** & A. Bravo)

September 7, 2017 Perífrasis verbales y *verum focus*. *VI Coloquio internacional sobre Tiempo y Aspecto*. Universidad Complutense, Madrid, Spain. (García Fernández, L. & **Krivochen, D. G.**)

October 27, 2016 Eliminating Mismatches: Phrase Structure and Coordination at the Syntax-Semantics Interface. *International Workshop 'Hierarchical Structures in Phonology, Morphology, and Syntax'*, CASTL, Tromsø.

[https://www.academia.edu/29538604/Eliminating\\_Mismatches\\_Phrase\\_structure\\_and\\_coordination\\_at\\_the\\_syntax-semantics\\_interface](https://www.academia.edu/29538604/Eliminating_Mismatches_Phrase_structure_and_coordination_at_the_syntax-semantics_interface)

May 23, 2016 Dinamicidad topológica en fractales sintácticos. *XII Congreso de Lingüística General*, Alcalá de Henares, Spain.

[https://www.academia.edu/24315560/2016\\_Dinamicidad\\_topol%C3%B3gica\\_en\\_fractales\\_sint%C3%A1cticos](https://www.academia.edu/24315560/2016_Dinamicidad_topol%C3%B3gica_en_fractales_sint%C3%A1cticos)

June 9, 2016 Measuring string ‘randomness’: Applications of quantitative methods to natural and formal languages. *OLINCO 2016*, Palacky University, Olomouc. (Matlach, V. & **D. G. Krivochen**)

October 23, 2015 Quantitative Properties of Formal Grammars. *Prague Linguistics 2015*. Charles University, Prague. (Matlach, V. & **D. G. Krivochen**)

September 19, 2014 Interconexiones entre auxiliaridad y estatividad: consecuencias para las cadenas de auxiliares. *V Seminario de Investigación sobre Tiempo y Aspecto*. Facultad de Letras, Universidad de Castilla-La Mancha. (García Fernández, L., A. Bravo & **D. G. Krivochen**)

May 27, 2014 Interfaces, Impaired Merge, and the Theory of the Frustrated Mind. Symposium *Informational fundamentals of life: genomes and languages*. Palacký University, Olomouc, Czech Republic. (Kosta, P. & **D. G. Krivochen**)

October 26, 2013 Inner Islands and Negation in Czech, German, English and Spanish: The case of which-clauses and as-clauses revisited. Presented at the *Eighth Annual Meeting of the Slavic Linguistics Society*, Szczecin University (Poland). (Kosta, P. & **D. G. Krivochen**)

August 30, 2013 Partitive Constructions are not all the Same. *Poznan Linguistic Meeting 2013*. Adam Mickiewicz University, Poznan, Poland. (Miechowicz-Mathiasen, K. & **D. G. Krivochen**)

October 6, 2011 Some (Radically Minimalist) Thoughts on Merge. Conference *Minimalist Program, Quo Vadis?* Universität Potsdam, Germany. (Kosta, P. & **D. G. Krivochen**)

Invited lectures at universities and scholarly institutions:

December 9, 2019 *Beyond (or beside) the Chomsky Hierarchy*. Università di Verona, Italy.

December 5, 2019 *Gramáticas de Adjunción y cadenas de verbos auxiliares*. Seminario Complutense de Gramática. Universidad Complutense de Madrid, Spain.

June 11, 2019 ‘Ascoltando ti sto’: verb fronting and the structure of Spanish auxiliary chains. Ca’ Foscari, University of Venice.

December 13, 2018 *On NEG lowering into quantifiers*. Palacký University, Olomouc, Czech Republic.

Posters:

September 19, 2012 Numerals, Numbers and Cognition: Towards a Localist Theory of the Mind. Poster presented at *Cognitive Modules and Interfaces*, international workshop at SISSA, Trieste, Italy. (Miechowicz-Mathiasen, K. & **D. G. Krivochen**) <http://ling.auf.net/lingbuzz/001653>

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## 8. Teaching merits:

April – July, 2020 – Invited professor. Course: **Formal syntax and semantics: issues of computation, description, and interpretation**. 36 hour course delivered for the Master’s degree in Linguistics, University of Verona, Italy.

February – July, 2020 – Professore a contratto. Course: **Lengua Española III**. 36 hour course delivered for the Laurea in lingue e culture per il turismo e il commercio internazionale. University of Verona, Italy.

April – July, 2019 – Visiting professor. Course: **Teoria formale dei linguaggi e grammatica: dalla commutazione alla descrizione linguistica** (Formal language theory and natural language grammar: from computation to linguistic description). 36 hour course delivered for the Master's degree in Linguistics, University of Verona, Italy.

December, 2017 – Visiting professor. Seminar: **Language, Computation, and Dynamical Systems** (part of the International Guest Lectures Repository program). 8 hours. Palacký University, Olomouc, Czech Republic.

May, 2016 – Seminar: **Fundamentals of the Minimalist Program**. 8 hours. Universidad de Murcia, Spain.

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## 9. Other key academic merits

### A. Participation in PhD defences

December 2018 Member of PhD committee for Palacký University, Olomouc, Czech Republic.

### B. Invited keynote lectures

June 2017                      A transderivational expansion of Generative Semantics: constraining dependencies in secondary predication. *Coloquio Formal de Sintaxis Semántica*, June 14-15. Universidad de Ingeniería y Tecnología, Lima, Perú.

December 2016                *Classical Problems, Non-Classical Proposals*. Keynote lecture at the 7<sup>th</sup> International Conference on Formal Linguistics, Tianjin, China.  
[https://www.academia.edu/30310835/2016\\_Classical\\_problems\\_non-classical\\_proposals\\_revised-2017](https://www.academia.edu/30310835/2016_Classical_problems_non-classical_proposals_revised-2017)

March 2016                    *Emergent Oscillations and Cyclicity: Physical Aspects of Frustrated Cognitive Systems*. In collaboration with Prof. Dr. James Douglas Saddy. Presented at the *First International Symposium on the Physics of Language*. Sophia University, Tokyo, Japan. March 3-5, 2016.

### C. Projects

2015-2018 – member of the project *Cadenas de Verbos Auxiliares (CAVA)*, financed by the Spanish Ministry of Economy and Competitiveness. ref.: FFI2015-68656-P. PI: Prof. Dr. Luis García Fernández.