

# Alejandro M. Andirkó

*Ph.D. student*

## PERSONAL DETAILS

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*Birth* September 3, 1994  
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## EDUCATION

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<b>Ph.D. student</b> <i>University of Barcelona: Cognitive Science and Language</i> Under the supervision of Prof. Cedric Boeckx	2018-
<b>MA. Cognitive Science and Language</b> <i>University of Barcelona</i>	2016-2017
<b>BA. Spanish Language and Literature</b> <i>University of Murcia</i>	2012-2016

## COURSES

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<b>Archaeological Science in the Post-Genome Era</b> <i>University of Copenhagen, Natural History Museum</i>	2018
<b>Analyses of genotyping and NGS data in medical and population genetics</b> <i>University of Copenhagen</i>	2018

## LANGUAGES

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Spanish (mother tongue)  
Hungarian (mother tongue)  
English (fluent)  
French (fluent)  
Catalan (basic)

## PUBLICATIONS

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- *7q11.23 Syndromes Reveal BAZ1B as a Master Regulator of the Modern Human Face and Validate the Self-Domestication Hypothesis*. Matteo Zanella, Alessandro Vitriolo, **Alejandro Andirkó**, Pedro T Martins, Stefanie Sturm, Thomas O'Rourke, Magdalena Laugsch, Natascia Malerba, Adrianos Skaros, Sebastiano Trattaro", "Pierre-Luc Germain, Giuseppe Merla, Alvaro Rada-Iglesias, Cedric Boeckx, Giuseppe Testa  
BioRxiv. <https://doi.org/10.1101/570036> (2019)

- *Oxytocin and Vasopressin Receptor variants as a window onto the evolution of human prosociality.* Constantina Theofanopoulou\*, **Alejandro Andirkó**\*, Cedric Boeckx.  
BioRxiv. <https://doi.org/10.1101/460584> (2018)

## PRESENTATIONS

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- *A hypothesis concerning how the evolution of prosociality impacted vocal learning.* Pedro T. Martins, Thomas O'Rourke, **Alejandro Andirkó**, Stefanie Sturm, Cedric Boeckx  
Talk at Center for the Interdisciplinary Study of Language Evolution Inaugural Workshop (2019)
- *Language-readiness: Descent, modification, and further modification.* **Alejandro Andirkó**, Thomas O'Rourke, Juan Moriano, Cedric Boeckx  
Poster at Center for the Interdisciplinary Study of Language Evolution Inaugural Workshop (2019)
- *Glutamatergic modulation of vocal learning circuits through the dopaminergic projections of the Periaqueductal Gray.*, Pedro T. Martins, Thomas O'Rourke, **Alejandro Andirkó**, Stefanie Sturm, Cedric Boeckx  
Poster at Language and Music in Cognition Spring School (2019)
- *Molecular evolution of human-specific facial traits and socio-cognitive profile: Insights from neurocristopathies.* Matteo Zanella\*, Alessandro Vitriolo\*, **Alejandro Andirkó**, Nicolo Caporale, Adrianos Skaros, Cedric Boeckx, Giuseppe Testa.  
Poster at ESHE meeting (2018)
- *Rethinking neoteny and neuroplasticity in language evolution.* Bridget Samuels, Pedro Tiago Martins, Thomas O'Rourke **Alejandro Andirkó**, Saleh Alamri, Constantina Theofanopoulou, Cedric Boeckx.  
Workshop: New Directions in Language Evolution. SLE 2018 (2018)
- *The symbolic species?* **Alejandro Andirkó**, Stefanie Sturm, Thomas O'Rourke, Pedro Tiago Martins, Cedric Boeckx.  
Poster at UBICS day (2018)
- *The biocognitive 'guns, germs, and steel' underlying Homo sapiens' unique material culture.* **Alejandro Andirkó**, Saleh Alamri, Stefanie Sturm, Thomas O'Rourke, Pedro Tiago Martins, Cedric Boeckx.  
Talk at Evolang12 workshop *The 'stuff' of language* (2018)
- *Differences on the OXTR between modern humans and extinct hominids: a window to our language-ready behavior.* **Alejandro Andirkó**, Constantina Theofanopoulou, Cedric Boeckx.  
Poster: Protolang5 (2017)

## GRANTS AND AWARDS

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- *Best Science Communication Video.* Thomas O'Rourke, Stefanie Sturm, **Alejandro Andirkó**, Pedro Tiago Martins.
- *Predoctoral grant*  
Spanish Ministry of Science, Universities and Innovation (2018-2022)

## SCIENCE OUTREACH

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- *It's not about cats* Stefanie Sturm\*, Thomas O'Rourke\*, Pedro Tiago Martins\*, **Alejandro Andirkó\***  
Scientific Journalism piece at Babel (2019)
- *¿Qué es la vida? El futuro de la biología, 75 años después de Schrödinger* **Alejandro Andirkó\***, Stefanie Sturm\*, Thomas O'Rourke\*, Pedro Tiago Martins\*, Cedric Boeckx.  
Scientific Journalism piece at The Conversation (2018) (in Spanish)
- *Participation in Somos científicos.*  
Initiative that brings together high school teenagers and scientists in order to answer their questions 2 weeks

## SOCIETIES & ORGANIZATIONS

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- European Society for the Study of Human Evolution (ESHE)  
Member
- UBICS (University of Barcelona Institute of Complex Systems).  
Member

## OTHER WORK EXPERIENCE

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### Intern

2016

#### *Asociación Arqueología de Guardia*

Arqueología de Guardia organizes cultural activities, science communication events, and educational workshops involving new findings in the fields of Archaeology, History and Cultural Heritage. As an intern, I participated in the organization and execution of some of these activities, including archaeological prospection, field analysis and communications for non-specialized public.