

# Thomas Guillaume

Zoology PhD Candidate at Trinity College Dublin

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## Address

Zoology Department  
School of Natural Sciences  
Trinity College Dublin  
2 College Green, Dublin 2  
IRELAND

## EDUCATION

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- 2012 - Present: PhD in Zoology, Trinity College Dublin - IE  
*How does including fossils in phylogenetic trees change our interpretation of present-day biodiversity?*
- 2010 - 2012: Master degree in Palaeontology, Université Montpellier II - FR  
with honours, ranking 3/13  
2<sup>nd</sup> year project: *Molecular clocks and evolutionary rates among primates: a palaeontological and genomic approach.*  
1<sup>st</sup> year project: *Southern France Upper Cretaceous theropod teeth variability.*
- 2007 - 2010: Bachelor degree in Biology, Université Montpellier II - FR

## SCHOLARSHIPS

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- 2012: Trinity Postgraduate Research Studentship

## PUBLICATIONS

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### Peer reviewed

- 2014: Healy, K., **Guillaume T.**, Finlay, S., Kane, A., Kelly, S.B.A., McClean, D., Kelly, D.J., Donohue, I., Jackson, A.L. and Cooper, N.  
Ecology and mode-of-life explain lifespan variation in birds and mammals.  
*Proceedings of the Royal Society B*, 281(1784). DOI: 10.1098/rspb.2014.0298

*Personal Contributions:* collecting the data, writing the code and running the analysis.

## ACADEMIC SERVICES

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Reviewer for the International Journal of Primatology

## COMPUTER SKILLS

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Coding:	R, Bash, HTML, LaTeX
Phylogenetics:	<i>PAUP*</i> , MrBayes, BEAST, RAxML, PhyloBayes, CoEvol MACSE, MAFFT, SEAvew, Tracer, Mesquite R{ape}, R{geiger}, R{diversitree}, R{mcmcglmm}, R{caper}
Morphometrics:	TPS, R{geomorph}, R{MASS}
Graphics:	Adobe Illustrator, Adobe Photoshop, Gimp, Inkscape

GitHub Repository

## CONFERENCES AND WORKSHOPS

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### Conferences

- 2014: *Evolution 2014*  
Raleigh Convention Center - USA(NC)  
Ernst Mayr Symposium presentation: "Total evidence method and missing data"
- 2014: *Challenges in Macroecology: Scaling the Time Barrier*  
Natural History Museum London - UK  
Oral presentation: "Total evidence method and missing data"
- 2014: *3'd Annual Botany-Zoology Trinity Postgraduate Symposium*  
Trinity College Dublin - IE  
Oral presentation: "Total evidence method and missing data"
- 2013: *European Society for Evolutionary Biology Congress*  
Lisbon - PT  
Posters presentations: "Total evidence method and missing data"  
and "Ecology and mode-of-life explain lifespan variation in birds and mammals"
- 2013: *11th International Mammalogical Conference*  
Queens University, Belfast - UK  
Poster presentation: "Total evidence method and missing data"
- 2013: *BES Macroecology SIG meeting*  
University of Sheffield - UK

### Workshops

- 2013: Introduction to Trinity Centre for High Performance Computing  
Paddy Doyle, Trinity College Dublin - IE
- 2013: Spatial Analysis in R Workshop  
Barry Rowlingson, University of Sheffield - UK
- 2013: Introduction to Morphometrics Workshop  
François Gould, Trinity College Dublin - IE
- 2013: IUCN Red List of Ecosystems Workshop  
Edmund Barrow, Trinity College Dublin - IE

## TEACHING

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### Academia

- 2013-14: 2<sup>nd</sup> year MSc students: Statistics with R  
*Demonstrator*, Trinity College Dublin - IE
- 2013-14: 4<sup>th</sup> year undergraduate students: Evolution  
*Demonstrator*, Trinity College Dublin - IE
- 2012-13: 4<sup>th</sup> year undergraduate students: Statistics with R  
*Demonstrator*, Trinity College Dublin - IE
- 2012-13: 1<sup>st</sup> year undergraduate students: Introduction to Biodiversity Evolution and the Environment  
*Demonstrator*, Trinity College Dublin - IE

### Student supervision

- 2014: Maura Judge (4<sup>th</sup> year project): Bite force and diet in mammals.

### General Public

- 2014: 1<sup>st</sup> Soapbox Science Ireland event (volunteer helper)  
Trinity College Dublin - IE
- 2014: "What can we learn from skeletons", practical lecture on comparative anatomy  
Trinity College Dublin - IE
- 2013: Trinity College Zoological Museum guided tours  
Trinity College Dublin - IE
- 2013: Trinity College Zoological Museum, Culture night and Researcher's night  
Trinity College Dublin - IE
- 2010: Introduction to palaeontological excavations  
Musée des Dinosaurs (Espéraza, Aude) - FR

## MISCELLANEOUS

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### Fieldwork

- 2013-14: Museum data collection:  
Smithsonian (US), AMNH (US), MCZ (US), MNHN (FR)
- 2011-12: Excavations in Cruzy (FR)  
Southern France, Continental Cretaceous
- 2011: Excavations in Krasiejów (PL)  
Southern Poland, Continental Trias
- 2009-10: Excavations in Espéraza (FR) - Site foreman  
Southern France, Continental Cretaceous

### Outreach

- Regular contributor to EcoEvo@TCD blog.
- Threesis video (thesis explained in three minutes).

### Spoken languages

English, French and Dutch.