

Thomas Guillaume

Zoology PhD Candidate at Trinity College Dublin

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Address

Zoology Department
School of Natural Sciences
Trinity College Dublin
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IRELAND

EDUCATION

- 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
2nd year project: *Molecular clocks and evolutionary rates among primates: a palaeontological and genomic approach.*
1st year project: *Southern France Upper Cretaceous theropod teeth variability.*
- 2007 - 2010: Bachelor degree in Biology, Université Montpellier II - FR

SCHOLARSHIPS

- 2012: Trinity Postgraduate Research Studentship

PUBLICATIONS

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

Reviewer for the International Journal of Primatology

COMPUTER SKILLS

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

Conferences

- 2014: *Challenges in Macroecology: Scaling the Time Barrier*
Natural History Museum London - UK
Oral presentation: "Total evidence method and missing data"
- 2014: *3rd 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

Academia

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

Student supervision

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

General Public

- 2014: 1st 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

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.