

Ross Mounce

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| CONTACT INFORMATION | Fossils, Phylogeny and Macroevolution group Department of Biology and Biochemistry University of Bath, Avon, United Kingdom | office: +44 01225385437 e-mail: rcpm20@bath.ac.uk Blog: rossmounce.co.uk Twitter: @rmounce |
| RESEARCH INTERESTS | My thesis is on the use and impact of fossils in phylogenetic analyses, particularly with regard to homoplasy and character congruence but also compatibility. The comparative usage of tree-to-tree distance measures is also an ongoing theme. I also take great interest in data sharing, data re-use and synthesis in modern academic research. | |
| EDUCATION | University of Bath , Avon, United Kingdom <i>Doctor of Philosophy in Biology</i> 2009 – 2013 <ul style="list-style-type: none">Advisors: Dr Matthew A. Wills and Dr Ronald Jenner The Natural History Museum , London, United Kingdom <i>MSc (Hons) in Advanced Methods in Taxonomy and Biodiversity</i> 2008 – 2009 Imperial College , London, United Kingdom <i>BSc (Hons) in Biology</i> 2005 – 2008 | |
| HONOURS AND AWARDS | Panton Fellowship , Open Knowledge Foundation 2012 – 2013 Ede and Ravenscroft Prize finalist , University of Bath 2012 Kurt M. Pickett Award , Hennig XXXI meeting 2012 Santander Research Grant Award , Hennig XXX meeting 2011 Systematics Association Travel Bursary , 8th Systematics Association Biennial meeting 2011 Marie Stopes Travel Awards , Hennig XXIX & XXX meetings 2010 & 2011 Uni. of Bath Postgraduate Research Travel Awards , Hennig & SVP 2010 & 2011 | |
| PUBLICATIONS | Mounce R. & Wills, M. Congruence of Cranial and Postcranial Characters in Vertebrate Phylogeny (in revision) Poisot, T., Mounce R. & Gravel, D. 2013. Moving toward a sustainable ecological science: don't let data go to waste! <i>Ideas in Ecology and Evolution</i> special issue Vol. 6 Mounce R. & Janies, D. 2013. Synergistic Sharing of Data and Tools to Enable Team Science In: J. Zander & P.J. Mosterman <i>Computation for Humanity - Information Technology to Advance Society</i> Mounce R. 2013. Open Access and Altmetrics: Distinct but Complementary <i>Bulletin of the Association for Information Science and Technology</i> Vol. 39 Mounce R. 2012. Academia, the Internet, and Creative Commons <i>Palaeontology Online</i> Vol. 2 Stoltzfus A., O'Meara B., Whitacre J., Mounce R., Gillespie E., Kumar S., Rosauer D. & Vos R. 2012. Sharing and Re-use of Phylogenetic Trees to Facilitate Synthesis <i>BMC Research Notes</i> >8145 views Mounce R. 2012. Twitter for Academics. <i>The Systematist</i> Vol. 34 Mounce R. & Wills, M. 2011. Phylogenetic Position of Diania Challenged <i>Nature</i> Vol. 476 Mounce R., <i>et al.</i> 2011. An Open Letter in Support of Palaeontological Digital Data Archiving — further discussed in: Callaway E. 2011. Fossil Data Enter The Web Period <i>Nature</i> Vol. 450 | |
| INVITED TALKS | Licences For Europe: Text and Data Mining (European Commission, Brussels) Mar. 8th 2013 Content Mining: The Researcher Point-of-View >2300 views Society of Vertebrate Paleontology 72nd Annual Meeting (Raleigh) Oct. 19th 2012 Examining character congruence and compatibility of vertebrate cladistic data NESCent seminar (Durham) Oct. 18th 2012 Mining phyloinformatic data from the published literature >1000 views International Council for Science (ICSU) workshop (Chicheley Hall) Sep. 3rd 2012 BOAI-compliant open access/data licensing matters: content mining >700 views British Ecological Society Annual Meeting (Sheffield) Sep. 13th 2011 On the Importance of Open Science and Open Data >2000 views The 6th Annual Open Knowledge Conference (Berlin) Jul. 1st 2011 Open Palaeontology: putting data on the web for all to see and use >2000 views | |

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| OTHER TALKS & POSTERS | TDWG - Biodiversity Information Standards (Florence) <i>Sharing phylogenetic data: even more vital for morphological data</i> [symposium keynote] | Oct. 31st 2013 |
| | Beyond The PDF 2 (Amsterdam) <i>Simple Additions to PDF Metadata</i> | Mar. 19th 2013 >1000 views |
| | The 2nd Pro-iBiosphere Workshop (Leiden) <i>Deconstructing PDF's into SVG to extract semantic data</i> | Feb. 14th 2013 |
| | Willi Hennig Society Meeting XXXI (Riverside, California) <i>Partitioned Supertree Support</i> Mounce R., Davis K., Hill J., Hughes M. & Wills M. | Jun. 25th 2012 >1000 views |
| | The 55th Palaeontology Association Annual Meeting (Plymouth) <i>Methods of Determining Cranial and Postcranial Character Congruence</i> [poster] | Dec. 19th 2011 >1000 views |
| | Society of Vertebrate Paleontology 71st Annual Meeting (Las Vegas) <i>Phylogenetic Congruence between Cranial and Postcranial Characters in Archosaur Systematics</i> | Nov. 2nd 2011 |
| | Willi Hennig Society Meeting XXX (Sao Jose do Rio Preto, Brazil) <i>A Review of the Incongruence Length Difference test: Uses and Abuses</i> | Aug. 1st 2011 >1000 views |
| | The 8th Biennial Systematics Association meeting (Belfast) <i>Nullius in Calculo: the Explicitness & Reproducibility of Cladistic Analyses</i> | Jul. 8th 2011 >1000 views |
| | iEvoBio (Oklahoma) <i>Publishing Re-usable Phylogenetic Trees</i> O'Meara B. (presented by), Whitacre J., Mounce R., Rosauer D. F., Vos R. A. & Stoltzfus A. | Jun. 22nd 2011 |
| | Progressive Palaeontology (Leicester) <i>Congruence between cranial & postcranial characters in vertebrate systematics</i> | May. 5th 2011 >1000 views |
| | The 12th Young Systematists' Forum (London) <i>The (continued) growth of phylogenetic information</i> | Dec. 1st 2010 >1800 views |
| | Willi Hennig Society meeting XXIX (Hawaii) <i>The congruence of morphological characters</i> | Aug. 1st 2010 |
| COURSES & WORKSHOPS | International Palaeontological Congress 3 (London) <i>How do fossils influence estimates of phylogeny?</i> Wills, M.A. (presented by) & Mounce, R. | Jul. 3rd 2010 |
| | Phylogenetic Comparative Methods Workshop (Raleigh, SVP) <i>Accounting for phylogenetic uncertainty, correlated evolution, phylogenetic retrodiction and rates of character evolution. Taught by Chris Organ, Chris Venditti and Andrew Meade.</i> | Oct. 2012 |
| | Linking Open Data in Biology using Ontologies (Hinxton, EBI) <i>An introduction to RDF, triples, ontologies and literature mining.</i> | May 2011 |
| | Data-intensive Paleobiological Research using PaleoDB (Edinburgh, NeSC) <i>Learning statistics, accounting for uncertainty, and methods of querying PaleoDB data.</i> | Apr. 2011 |
| PROFESSIONAL SERVICE | 2nd EDIT Summer School (Muranska Planina National Park, Slovakia) <i>Field-based learning about taxonomy. Small mammals, plants and insects.</i> | Jul. 2009 |
| | Member of Council for the Systematics Association, 2012-2015 Reviewer: <i>BMC Bioinformatics, Bioinformatics, J. of Evolutionary Biology, Ideas in Ecology & Evolution</i> | |
| | Systematics Association, Willi Hennig Society, Society of Systematic Biologists, Palaeontology Association, Society of Vertebrate Paleontology | |
| COMPUTATIONAL SKILLS | Bash shell scripting, R (inc. ape , phangorn , treebase), Java & HTML (learning with Codecademy), Perl (inc. BioPhylo), \LaTeX 2 _ε , PAUP* , TNT , MrBayes , POY , RAXML , Dendroscope , TreeSnatcher Plus , FigTree , Eclipse IDE , Mesquite , ghosts , PICA and many more... | |
| TEACHING EXPERIENCE | At Bath I've had the pleasure of giving over 200 hours of teaching, mostly to undergraduates. Examples include; demonstrating the command-line interface of R in a computer room, comparative molluscan anatomy in the lab, and out in the field demonstrating inter-tidal ecology. | |
| MEDIA WORK | Nature News I've been quoted on open access , text-mining , and careers | various dates 2013 |
| | BBC Radio 3 Night Waves programme with MP David Willetts & Dame Janet Finch | 3 Oct. 2012 |
| | Voice of Russia UK radio show discussing Open Access policy and publishing | 17 Aug. 2012 |
| REFEREES | Dr Matthew Wills Senior Lecturer University of Bath Avon, United Kingdom m.a.wills@bath.ac.uk / 01225 383504 | Dr Ronald Jenner Researcher Natural History Museum, London London, United Kingdom r.jenner@nhm.ac.uk |