Ross Mounce

CONTACT INFORMATION	Fossils, Phylogeny and Macroevolution group Department of Biology and Biochemistry University of Bath, Avon, United Kingdom

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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

Doctor of Philosophy in Biology   **October 2009 – present**

- Advisors: Dr Matthew A. Wills and Dr Ronald Jenner

The Natural History Museum, London, United Kingdom
MSc (Hons) in Advanced Methods in Taxonomy and Biodiversity   **2008 – 2009**

Imperial College, London, United Kingdom
BSc (Hons) in Biology   **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 *Systematic Biology* (in revision)

Mounce R. & Janies, D. (in press) Synergistic Sharing of Data and Tools to Enable Team Science. In: J. Zander & P.J. Mosterman *Computation for Humanity - Information Technology to Advance Society*

Mounce R. 2013. Open Access and Altmetrics: Distinct but Complementary *Bulletin of the Association for Information Science and Technology* Vol. 39

Mounce R. 2012. Academia, the Internet, and Creative Commons *Palaeontology Online* 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 *BMC Research Notes* >4700 views

Mounce R. 2012. Twitter for Academics. *The Systematist* Vol. 34

Mounce R. & Wills, M. 2011. Phylogenetic Position of Diania Challenged *Nature* Vol. 476

Mounce R., Butler A., Davis K., Dunhill A., Garwood R., Lamsdell J., Legg D., Lloyd G., Pittman M., Warnock R. & Wolfe J. 2011. An Open Letter in Support of Palaeontological Digital Data Archiving — further discussed in: Callaway E. 2011. Fossil Data Enter The Web Period *Nature* Vol. 450

INVITED TALKS

Licences For Europe: Text and Data Mining (European Commission, Brussels) *Content Mining: The Researcher Point-of-View*	**Mar. 8th 2013** >1200 views
Society of Vertebrate Paleontology 72nd Annual Meeting (Raleigh) *Examining character congruence and compatibility of vertebrate cladistic data* — part of the Phylogenetic & Comparative Paleobiology symposium	**Oct. 19th 2012**
NESCent seminar (Durham) *Mining phyloinformatic data from the published literature*	**Oct. 18th 2012** >700 views
International Council for Science (ICSU) workshop (Chicheley Hall) *BOAI-compliant open access/data licensing matters: content mining*	**Sep. 3rd 2012** >500 views
British Ecological Society Annual Meeting (Sheffield) *On the Importance of Open Science and Open Data*	**Sep. 13th 2011** >700 views
The 6th Annual Open Knowledge Conference (Berlin) *Open Palaeontology: putting data on the web for all to see and use*	**Jul. 1st 2011** >1500 views

OTHER TALKS & POSTERS	**Beyond The PDF 2** (Amsterdam)	**Mar. 19th 2013**
	Simple Additions to PDF Metadata	>600 views
	The 2nd Pro-iBiosphere Workshop (Leiden)	**Feb. 14th 2013**
	Deconstructing PDF's into SVG to extract semantic data	
	The 1st Open Knowledge Festival (Helsinki)	**Sep. 19th 2012**
	The OKFN Panton Fellowships: from data mining to graduate training with Kershaw S.	
	Willi Hennig Society Meeting XXXI (Riverside, California)	**Jun. 25th 2012**
	Partitioned Supertree Support Mounce R., Davis K., Hill J., Hughes M. & Wills M.	>700 views
	The 55th Palaeontology Association Annual Meeting (Plymouth)	**Dec. 19th 2011**
	Methods of Determining Cranial and Postcranial Character Congruence [poster]	>1000 views
	Society of Vertebrate Paleontology 71st Annual Meeting (Las Vegas)	**Nov. 2nd 2011**
	Phylogenetic Congruence between Cranial and Postcranial Characters in Archosaur Systematics	
	Willi Hennig Society Meeting XXX (Sao Jose do Rio Preto, Brazil)	**Aug. 1st 2011**
	A Review of the Incongruence Length Difference test: Uses and Abuses	>700 views
	The 8th Biennial Systematics Association meeting (Belfast)	**Jul. 8th 2011**
	Nullius in Calculo: the Explicitness & Reproducibility of Cladistic Analyses	>1000 views
	iEvoBio (Oklahoma) *Publishing Re-usable Phylogenetic Trees*	**Jun. 22nd 2011**
	O'Meara B. (presented by), Whitacre J., Mounce R., Rosauer D. F., Vos R. A. & Stoltzfus A.	
	Progressive Palaeontology (Leicester)	**May. 5th 2011**
	Congruence between cranial & postcranial characters in vertebrate systematics	>800 views
	The 12th Young Systematists' Forum (London)	**Dec. 1st 2010**
	The (continued) growth of phylogenetic information	>1300 views
	Willi Hennig Society meeting XXIX (Hawaii)	**Aug. 1st 2010**
	The congruence of morphological characters	
	International Palaeontological Congress 3 (London)	**Jul. 3rd 2010**
	How do fossils influence estimates of phylogeny? Wills, M.A. (presented by) & Mounce, R.	
COURSES & WORKSHOPS	**Phylogenetic Comparative Methods Workshop** (Raleigh, SVP)	**Oct. 2012**
	Accounting for phylogenetic uncertainty, correlated evolution, phylogenetic retrodiction and rates of character evolution. Taught by Chris Organ, Chris Venditti and Andrew Meade.	
	Linking Open Data in Biology using Ontologies (Hinxton, EBI)	**May 2011**
	An introduction to RDF, triples, ontologies and literature mining.	
	Data-intensive Paleobiological Research using PaleoDB (Edinburgh, NeSC)	**Apr. 2011**
	Learning statistics, accounting for uncertainty, and methods of querying PaleoDB data.	
	2nd EDIT Summer School (Muranska Planina National Park, Slovakia)	**Jul. 2009**
	Field-based learning about taxonomy. Small mammals, plants and insects.	
PROFESSIONAL SERVICE	Member of Council for the Systematics Association, 2012-2015	
	Reviewer for: *BMC Bioinformatics*, *Journal of Evolutionary Biology*, *Ideas in Ecology and Evolution*	
PROFESSIONAL MEMBERSHIPS	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 2ε, 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

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Dr Ronald Jenner
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Natural History Museum, London
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