

Recent Publications of F. James Rohlf

Journal articles

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- 127 Rohlf, F. J. and M. Corti. 2000. The use of two-block partial least-squares to study covariation in shape. *Systematic Biology*. 49:740-753.
- 128 Rohlf, F. J. 2000. Phylogenetic models and reticulations. *Journal of Classification*, 17:185-189.
- 129 Gharaibeh, W. S., F. J. Rohlf, D. E. Slice and L. E. DeLisi. 2000. A Geometric Morphometric Assessment of Change in Midline Brain Structural Shape Following a First Episode of Schizophrenia. *Biol. Psychiatry*, 48:398-405.
- 130 Rohlf, F. J. 2002. Geometric morphometrics in phylogeny. Pp. 175-193 in Forey, P. and N. Macleod (eds.) *Morphology, shape and phylogenetics*. Francis & Taylor: London.
- 131 Corti, M. and F. J. Rohlf. 2001. Chromosomal speciation and phenotypic evolution in the house mouse. *Biol. J. Linnaean Society*. 73:99-112
- 132 Rohlf, F. J. 2001. Comparative methods for the analysis of continuous variables: geometric interpretations. *Evolution* 55:2143-2160. #
- 133 Rohlf, F. J. and F. L. Bookstein. 2003. Computing the uniform component of shape variation. *Systematic Biology*. 52:66-69.
- 134 Rohlf, F. J. 2002. Consistency and bias in morphometric methods. *American Journal of Physical Anthropology*. S34:133.
- 135 Rohlf, F. J. 2003. Bias and error in estimates of mean shape in morphometrics. *Journal of Human Evolution*, 44:665-683.
- 136 Nicola, P. A., L. R. Monteiro, L. M. Pessoa, F. J. Von Zuben, F. J. Rohlf, S. F. Dos Reis. 2003. Congruence of hierarchical, localized variation in cranial shape and molecular phylogenetic structure in *Trinomys yonenagae* (Rodentia: Echimyidae). *Biol. J. Linn. Soc.*, 80:385-396.
- 137 Adams, D. C., F. J. Rohlf, and D. E. Slice. 2004. Geometric Morphometrics: Ten Years of Progress Following the 'Revolution'. *Italian Journal of Zoology*. 71:5-16.
- 138 Loy, A., M. Corti, D. C. Adams, D. E. Slice, and F. J. Rohlf 2004. Introduction to the proceedings of the Rome 2002 Geometric Morphometrics workshop. *Homage to Leslie F. Marcus. Italian Journal of Zoology*, 71(1):1-3.
- 139 Friess, Martin, F. J. Rohlf, and Hsiao Hongwei. 2004. Quantitative assessment of human body shape using Fourier analysis. Pp. 117-124 in Corner, B. D., Peng Li, and R. P. Pargas (eds.) *Three-Dimensional Image Capture and Applications VI - Proceedings of SPIE*. Volume 5302.
- 140 Rohlf, F. J. 2004. Preface. Pp vii-viii in *Morphometrics-applications in biology and paleontology*. A. M. T. Elewa (ed.). Springer-Verlag: New York. .
- 141 Bookstein, F. L. and F. J. Rohlf. 2004. From "mathematical dissection of anatomies" to morphometrics: a

- twenty-first-century appreciation of Charles Oxnard. Pp. 378-390 in Anapol, F., R. Z. German, and N. G. Jablonski, eds. Shaping primate evolution. Cambridge Univ. Press: New York.
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- 144 Harcourt-Smith, W. H. E., M. Tallman, S. R. Frost, D. F. Wiley, F. J. Rohlf, E. Delson. 2008. Analysis of selected hominoid joint surfaces using laser scanning and geometric morphometrics: a preliminary report. Pp. 373-383 in E. J. Sargis and M. Dagosto (eds.) *Mammalian Evolutionary Morphology: A Tribute to Frederick S. Szalay*. Springer: Dordrecht.
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- 146 Amaral, Ana R., M. Manuela Coelho, Jesús Marugán-Lobón and F. James Rohlf. 2008. Geometric morphometric analysis of cranial shape in closely related delphinid cetacean species: an evolutionary approach: Evolutionary morphology the skull in delphinids on the basis of geometric morphometric procedures. *Zoology*, 112:38-47.
- 147 Valentin, A. E., X. Penin, J.-P. Chanut, J.-M. Sévigny, and F. J. Rohlf. 2008. Arching effect on fish body shape in geometric morphometric studies. *J. of Fish Biology*, 73:623-638.
- 148 Hsiao, H., M. Friess, B. Bradtmiller, and F. J. Rohlf. 2009. Development of sizing structure for fall arrest harness design. *Ergonomics*, 52:1128-1143.
- 149 Adams, D. C., A. Cardini, L. R. Monteiro, P. O'Higgins, and F. J. Rohlf. 2011. Morphometrics and Phylogenetics: principal components of shape from cranial modules are neither appropriate nor effective cladistic characters. *Journal of Human Evolution*, 60:240-243.
- 150 Perez, S. I., J. A. Diniz-Filho, F. J. Rohlf, and S. F. dos Reis. 2009. Ecological and Evolutionary Factors in the Morphological Diversification of South American Spiny Rats. *Biological Journal of the Linnean Society*, 98:646-660.
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- 154 Zhang, T. , R. A. DeSimone, X. Jiao, F. J. Rohlf, W. Zhu, Q. Q. Gong, S. R. Hunt, T. Dassopoulos, R. D. Newberry, E. Sodergren, G. Weinstock, D. N. Frank, E. Li. 2012. Host genes related to Paneth cells and xenobiotic metabolism are associated with shifts in human ileum-associated microbial composition. *PLoS ONE*, 7(6):e30044. 7pp.
- 155 Rohlf, F. J. Chapters on Manhattan metric, Metrics, Phenetics, Phenogram, Similarity, Numerical Taxonomy, and Ultra Metrics. Brenner's

- Online Encyclopedia of Genetics 2E. [in press]
- 156 Adams, D. C., F. J. Rohlf, and D. E. Slice. 2013. A field comes of age: geometric morphometrics in the 21st century. *Hystrix*, 24:7-14.
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- 159 Siver, P. A., A. P. Wolfe, F. J. Rohlf, W. Shin, and B. Y. Jo. 2013. Combining geometric morphometrics, molecular phylogeny, and micropaleontology to assess evolutionary patterns in *Mallomonas* (Synurophyceae: Heterokontophyta). *Geobiology*, 11:127-138.
- 160 Baab, K. L., J. M. G. Perry, F. J. Rohlf, and W. L. Jungers. 2014. Phylogenetic, Ecological, and Allometric Correlates of Cranial Shape in Malagasy Lemuriforms. *Evolution*, 68:1450-1468.
- 161 Sibony, P., M. J. Kupersmith, R. Honkanen, F. J. Rohlf, and A. Torab-Parhiz. 2014. Effects of lowering cerebrospinal fluid pressure on the shape of the peripapillary retina in intracranial hypertension. *Investigative ophthalmology & visual science*. 55:8223-8231.
162. Rohlf, F.J. 2015. The tps series of software. *Hystrix*, the Italian Journal of Mammalogy, 26:1-4.
- 163 Smaers, J. B. and F. J. Rohlf. 2016. Testing species' deviation from allometric predictions using the phylogenetic regression. *Evolution*, 70:1145-1149.
164. Rohlf, F. J. 2016. Some notes on the early years of the Classification Society. *Classification Society Newsletter* 87:3-5.
- 165 Sclove, S. L. and F. J. Rohlf. 2016. The Classification Society: the first fifty years. *Classification Society Newsletter* 87:6-20.
- 166 Martinez, C. M., F. J. Rohlf, and M. G. Frisk. 2016. Re-evaluation of batoid pectoral morphology reveals novel patterns of diversity among major lineages. *Journal of Morphology* 277:482-493.
- 167 Martinez, C. M., F. J. Rohlf, and M. G. Frisk. 2016. Sexual dimorphism in sister species of *Leucoraja* skate and its relationship to reproductive strategy and life history. *Evolution and Development*. 18:105-115.
- 168 Rohlf, F. J. 2017. The method of random skewers. *Evol. Biol.* 44:542-550. <http://dx.doi.org/10.1007/s11692-017-9425-8>

Books and edited volumes:

11. Loy, A., M. Corti, D. C. Adams, D. E. Slice, and F. J. Rohlf, eds. 2004. Proceedings of the Rome Geometric Morphometric Workshop. Homage to Leslie F. Marcus. Special Publication of the Italian Journal of Zoology. 71 (1):1-88.
12. Sokal, R. R. and F. J. Rohlf. 2009. Introduction to Biostatistics. 2nd ed. Dover edition. 366pp.
13. Sokal, R. R. and F. J. Rohlf. 2012. Biometry: the principles and practice of statistics in biological research, 4th ed. W. H. Freeman and Co.: New York. 937 pp.
14. Rohlf, F. J. and R. R. Sokal. 2012. Statistical Tables, 4th ed. Freeman: New York. Xii+258 pp.

Recent Reviews:

- 2002 Introduction to the exploration of multivariate biological data. *Quarterly Review of Biology*, 77:50-51.
- 2005 Geometric Morphometrics simplified. *Trends in Ecology and Evolution*, 20:13-14.
- 2005 Procrustes Problems. *Journal of the American Statistical Association*, 100:1097.
- 2005 Inferring phylogenies. *Journal of Classification*, 22:139-142.
- 2006 Virtual reconstruction: a primer in computer-assisted paleontology and biomedicine. *Quarterly Review of Biology*, 81:93.
- 2007 Paleontological data analysis. *Quarterly Review of Biology*, 82:411.
- 2010 Analyzing cycles in biology and medicine: a practical introduction to circular variables and periodic regression. 2nd ed. *Quarterly Review of Biology*, 85:123.
- 2010 Biomeasurement: a student's guide to biological statistics. 2nd ed. *Quarterly Review of Biology*, 85:345.
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Posters & Abstracts:

- Delson, E., D. Reddy, F.J. Rohlf, S. Frost, M. Friess, K. McNulty, K. Baab, T. Capellini, and S. E. Hagell. 2003. 3D visualization of inferred intermediates on a phylogenetic tree--Applications in paleoanthropology (abstract). *Amer. J. Phys. Anthropol. Suppl.* 36: 86-87.
- Baab, K. L., F. J. Rohlf, W. L. Jungers & Jonathan M. G. Perry. 2011. Application of phylogenetic comparative methods to the adaptive radiation of Malagasy lemurs. *Amer. Assoc. of Physical Anthropologists*.
- Zhang, T. , R. A. DeSimone, X. Jiao, F. J. Rohlf, W. Zhu, Q. Q. Gong, S. R. Hunt, T. Dassopoulos, R. D. Newberry, E. Sodergren, G. Weinstock, D. N. Frank, E. Li. 2012. Host genes related to Paneth cells and xenobiotic metabolism are associated with shifts in human ileum-associated microbial composition. *Inflammatory Bowel Diseases*, 17:S80-S80.
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- Sibony, P., C. Kania, Y. Liu, P. Patel, Kevin Kaplowitz, F. J. Rohlf. 2013. Geometric Morphometric Analysis of the Peripapillary RPE / Bruchs Membrane complex in Glaucomatous and Normal Eyes. *Assn. for Research in Vision and Ophthalmology*.
- Sibony, P., R. Honkanen, M. J. Kupersmith, F. J. Rohlf. 2014. Peripapillary RPE-layer shape in Idiopathic Intracranial Hypertension: before and after

treatment. Poster. North American Neuro-Ophthalmology Society.

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Published computer software:

Rohlf, F. J. and D. Slice. 1989. BIOMLAB, a program to demonstrate statistical principles. Exeter Software: Setauket, NY

Rohlf, F. J. and D. E. Slice. 2012. BIOMstat, version 4. Exeter Software: Setauket, NY.

Rohlf, F. J. 2005. NTSYS-pc: numerical taxonomy and multivariate analysis system, version 2.2. Exeter Software: Setauket, NY