

CURRICULUM VITAE

Name: David Jablonski
Present Address: Department of the Geophysical Sciences
 University of Chicago
 5734 South Ellis Avenue
 Chicago, IL 60637
Telephone: (773) 702-8163 (FAX: (773) 702-9505)
e-mail: djablons@uchicago.edu
Web page: <http://geosci.uchicago.edu/people/faculty/jablonski.shtml>

EDUCATION

M.S., Ph.D., 1976, 1979, Yale University
 B.A., 1974, Columbia University (Geology, with minor in Biology)

EMPLOYMENT

2002-present: William R. Kenan, Jr., Professor, Department of the Geophysical Sciences and Committee on Evolutionary Biology, University of Chicago
 2002-2008: Chair, Committee on Evolutionary Biology, University of Chicago
 1989-2002: Professor, Department of the Geophysical Sciences and Committee on Evolutionary Biology, University of Chicago
 1985-1989: Associate Professor, Department of the Geophysical Sciences and Committee on Evolutionary Biology, University of Chicago
 1982-1985: Assistant Professor, Dept of Ecology & Evolutionary Biology, University of Arizona.
 1980-1982: Miller Research Fellow, University of California, Berkeley
 1979-1980: Assistant Research Geologist, Department of Geological Sciences and Marine Science Institute, University of California, Santa Barbara

HONORS AND FELLOWSHIPS

2010: Member, National Academy of Sciences, USA
 2008-present: Research Associate, National Museum of Natural History, Smithsonian Institution
 2005: Fellow, Paleontological Society
 2004: Quantrell Award for Excellence in Undergraduate Teaching, University of Chicago
 2000: Fellow, American Academy of Arts and Sciences
 1999-2000: John Simon Guggenheim Memorial Fellowship
 1993-2003: Honorary Research Fellow, The Natural History Museum, London
 1992-present: Research Associate, Field Museum of Natural History, Chicago
 1988: Schuchert Award, Paleontological Society, for outstanding paleontologist under 40.
 1980-1982: Miller Fellowship, Miller Institute for Basic Research in The Sciences, University of California, Berkeley
 Summer 1972, 1973: NSF Undergraduate Research Fellow at American Museum of Natural History

PROFESSIONAL SOCIETIES

The Paleontological Society
 International Palaeontological Union
 The Palaeontological Association
 Society for the Study of Evolution
 Society of Integrative and Comparative Biology
 Society of Systematic Biology
 Society of Sedimentary Geologists
 American Society of Naturalists
 International Biogeography Society

FORMAL EDITORIAL SERVICES

Editorial Board, Philosophy & Theory in Biology, 2009-present
 Editorial Board, Evolution & Development, 1999-2005
 Associate Editor, Evolutionary Ecology Research, 1998-present
 Associate Editor, Historical Biology, 1988-present
 Associate Editor, Conservation Biology, 1986-2000
 Associate Editor, Evolutionary Ecology, 1986-1998
 Editorial Board, Annual Review of Ecology and Systematics, 1989-1994
 Editorial Board, Geology, 1991-1993
 Editorial Board, Journal of Evolutionary Biology, 1991-1993
 Associate Editor, Paleobiology, 1983-1985, 1986-1988
 Associate Editor, Evolution, 1984-1986

REVIEWER FOR

Nature, Science, Proceedings of the National Academy of Sciences USA (guest editor),
 Proceedings of the Royal Society of London B, PLoS Biology, Biological Reviews,
 Paleobiology, Systematic Biology, Trends in Ecology and Evolution, Deep-Sea Research,
 Geology, Journal of Molluscan Studies, Malacologia, Veliger, Palaeogeography,
 Palaeoclimatology, Palaeoecology; University of Chicago Press, Oxford University Press,
 Taylor & Francis; NSF (Sedimentary Geology & Paleontology; Biodiversity Surveys and
 Inventories; Population and Evolutionary Processes; Polar Programs), National Geographic,
 Petroleum Research Fund, NERC (United Kingdom), NSERC (Canada), Argentina Ministry of
 Science, Education, and Technology, Austrian Science Foundation, German Science Foundation,
 James Cook Research Fellowships (New Zealand), Royal Society of London; Fellowship
 Applications to John Simon Guggenheim Memorial Foundation (2006-2008, 2009-present).

MISCELLANEOUS

2008, Invited speaker, Smithsonian Institution Senate of Scientists
 2008, Invited participant, workshop on an Extended Evolutionary Synthesis, Konrad Lorenz Institute of
 Evolution and Cognition Research, Altenberg, Austria
 2008, External member, Professional Accomplishments Evaluation Committee, National Museum of
 Natural History, Smithsonian Institution
 2007, Co-Chair, NASA Exobiology-Astrobiology Panel
 2007, Invited participant, NSF workshop on “Really Big Biogeographically-based Integrative Historical

and Ecological Science”

- 2006, Invited speaker, Macroevolution workshop, National Association of Biology Teachers Annual Meeting
- 2006, Invited participant, NSF workshop on “Future Research Directions in Paleontology”
- 2006-2008, 2009-present, Reviewer, Fellowship Applications to John Simon Guggenheim Memorial Foundation
- 2005-2009, Senior Advisory Board, National Evolutionary Synthesis Center
2005. Invited Speaker, 50th Anniversary Celebration, Miller Institute for Basic Research, Berkeley, CA
- 2003-2006, Advisory Board, Paleobiology Database
- 2002, Invited participant, NSF workshop on a Center for Evolutionary Synthesis.
- 1999, Co-organizer (with M. Droser), Theme Session, "Biological Diversity in the Phanerozoic: In Memory of Jack Sepkoski," Geological Society of America Annual Meeting, October 1999.
- 1998, Invited speaker, Society for the Study of Evolution Workshop on teaching evolution, American Institute of Biology Teachers Annual Meeting, Reno, Nevada.
- 1996-1999. Topic Coordinator on Macroevolution, international workshop on "Paleontology in the 21st Century," held Frankfurt, September 1997, final report 1999.
- 1996-1997. Participant, Paleontological Society working group, "Geobiology of Critical Intervals."
- 1995-1999. Participant, NSF working group, "Evolution, Science, and Society."
- 1994, Co-Organizer [with D.H. Erwin], Paleontological Society Symposium, "Evolutionary Paleobiology," Geological Society of America Annual Meeting.
- 1992, Co-Organizer [with D.J. Bottjer], Symposium on "Environmental Factors and Evolutionary Novelty," 5th North American Paleontological Convention.
- 1991-1993, Councillor under 40, Paleontological Society
- 1990-1996, Member, International Committee, International Congress on Systematic and Evolutionary Biology.
- 1990-1992, Organizing committee, 5th North American Paleontological Convention
- 1990, Outside review committee, Department of Zoology, Field Museum of Natural History
- 1990, Organizer, Symposium on Evolution and Extinction, International Congress on Systematic and Evolutionary Biology.
- 1989, Participant, International Union of Geological Sciences Workshop on Past Global Changes, Interlaken, Switzerland.
- 1987-present, Participant, Smithsonian Program, "Evolution of Terrestrial Ecosystems".
- 1986-1995, Participant, U.S. Working Group of International Geological Correlation Project, "Global Events and Evolution" [sponsored by International Union of Geological Sciences and UNESCO]
- 1985, Co-Organizer [with D.M. Raup], Dahlem Conference on "Phanerozoic Life: Pattern and Process," Berlin.
- 1985, Co-Organizer [with K.W. Flessa], Paleontological Society Symposium, "Evolutionary Paleobiogeography," Geological Society of America Annual Meeting.
- 1984-present, Participant, Media Resource Service, Scientists' Institute for Public Information.

INVITED PAPERS IN SYMPOSIA

- 2010, Symposium on Macroevolution and the Modern Synthesis, Third International Palaeontological Congress, London
- 2009, Invited speaker, Darwin: Chicago 2009 Conference.
- 2008, Symposium in honor of Peter and Rosemary Grant, Princeton University.
- 2007, National Academy of Sciences Sackler Colloquium on Biodiversity and Extinction

- 2007, Ecological Society of America Symposium on Environmental change, extinction risk, and the maintenance of biodiversity through time
2006. 50th Anniversary symposium, Palaeontological Association, U.K.
- 2006, Macroevolution symposium, National Association of Biology Teachers Annual Meeting.
2005. Extending the Synthesis: Integrating Micro- and Macroevolutionary Scales (Leiden, Netherlands)
2005. Keynote speaker, Second International Biogeography Conference: Conservation Biogeography.
2004. Plenary speaker, Astrobiology Science Conference 2004.
2004. Morphological Innovations Symposium, Society for Integrative and Comparative Biology.
2003. Pardee Symposium: Reflections on the Scientific Legacy of Stephen J. Gould.
2003. The geologic record of biosphere dynamics—the key to understanding the biotic effects of future environmental change
2003. First International Biogeography Symposium: Frontiers in biogeography
2002. Symposium on Seafood through time: The ecologic context of the history of life.
2002. Keynote speaker, International Congress of Systematic and Evolutionary Biology. Title: Ecology and the origin of major evolutionary groups.
- 2002, Symposium on Extinctions, CSEOL, UCLA.
- 2002, Conference on Macroecology: Reconciling divergent perspectives on large scale ecological patterns, British Ecological Society, Birmingham, England
2002. Symposium on body size, Ecological Society of America Annual Meeting
- 2001, Inaugural Session, Biogeosciences Section, American Geophysical Union Fall Meeting
- 2000, National Academy of Sciences Colloquium on The Biotic Crisis and the Future of Evolution
- 1999, Keynote paper (with D.H. Erwin and James W. Valentine), conference on The Developmental Basis of Evolutionary Change, University of Chicago.
- 1999, Evolutionary Dynamics: The Evolutionary Play in the Geophysical Theater. American Geophysical Union Fall Meeting, Special Biogeosciences Session
- 1999, Plenary speaker, Linnean Society/NASA/Centre for Ecology and Evolution conference, Evolution on Planet Earth: The impact of the physical environment
- 1998 Plenary speaker, Geological Society of America Penrose Conference, Linking spatial and temporal scales in paleoecology and ecology
- 1996 Symposium on Recoveries from Mass Extinctions, 6th North American Paleontological Convention
- 1996 Evolutionary Paleoecology Symposium, Geological Society of America Annual Meeting
- 1995 International Conference on Near-Earth Objects, United Nations, New York.
- 1995 Charles D. Walcott Symposium, Smithsonian Institution, on Causes and consequences of the end-Permian Mass Extinction.
- 1995 Symposium on Evolutionary Rebounds, Geological Society of America Annual Meeting\
- 1994 Keynote Speaker, Symposium on New Developments Regarding the K-T Event and Other Catastrophes in Earth History (Snowbird III)
- 1994 Symposium on Current Critical Issues: Marine Biodiversity, American Association for the Advancement of Science, Annual Meeting
- 1993 Symposium on Extinction Rates, Royal Society of London
- 1989 Symposium on Adaptive Radiations, International Geological Congress
- 1989 Symposium on Major Evolutionary Radiations, Systematics Association
- 1988 Spring Systematics Symposium, Field Museum of Natural History, symposium on Evolution Innovations: Patterns and Processes.
- 1988 Symposium on Evolution and Extinction, Royal Society of London
- 1986 Symposium on Tempo and Mode in Evolution, 4th North American Paleontological Convention

- 1986 Symposium on The Biogeography of Extinction, 4th North American Paleontological Convention
- 1986 Symposium on Regulation of Speciation Rates and Background Extinction Rates, 4th N. Am. Paleont. Conv.
- 1986 Symposium on Environmental Controls on Faunal Radiations and Mass Extinction, S.E.P.M. Midyear Meeting.
- 1985 Larval Biology Workshop, Friday Harbor, Washington
- 1985 Symposium on Random and Directed Events in Evolution, 3rd International Congress of Systematic and Evolutionary Biology, Sussex
- 1985 Paleontological Society Short Course on Mollusca, Geological Society of America Annual Meeting
- 1983 Molluscan Extinctions Symposium, Seattle
- 1983 Dynamics of Extinction Conference, Flagstaff
- 1983 Mass Extinctions Symposium, Society of the Study of Evolution, St. Louis
- 1982 Symposium on Factors in Phanerozoic Diversity, American Association for the Advancement of Science, Pacific Section, Santa Barbara
- 1982 Symposium on Evolution and Paleobiology of the Gastropoda, 3rd North American Paleontological Convention, Montreal
- 1981 Paleontological Society Symposium on Biotic Interactions in Recent and Fossil Benthic Communities, Geological Society of America Annual Meeting, Cincinnati
- 1980 Conference on Macroevolution, Chicago Field Museum
- 1980 2nd International Congress of Systematic and Evolutionary Biology, Vancouver

UNIVERSITY SERVICE

- 2009- present, Governing Board of University of Chicago Press.
- 2007-2009, 2009-present, Steering Committee, GAANN training grants (Graduate Assistance in Areas of National Need), Committee on Evolutionary Biology
- 2006-2008, Advisory Committee for Junior Faculty, Department of Geophysical Sciences
- 2004-2006, Policy Committee, Department of Geophysical Sciences
- 2003, Education subcommittee, Dean's strategic planning (AIMS II) committee, Biological Sciences Division
- 2002, Dean's strategic planning (AIMS) committee, Biological Sciences Division
- 2002-2008, Chair, Committee on Evolutionary Biology
- 2000, Speaker, Trustees' Dinner in Honor of the Faculty of the University and the new President of the University
- 1998-99, Chair, Committee to Recommend a Chair for the Department of Organismal Biology and Anatomy
- 1998, Committee to Review the Department of Organismal Biology and Anatomy
- 1992, 1993, 1995-1999: Admissions Committee, Committee on Evolutionary Biology (Chair 1995-1999)
- 1993-1994, 1997-2008: Co-organizer, CEB Evolutionary Morphology Seminar Series
- 1997-1999: Member, College Council
- 1997: Drafting Committee, College Curriculum Review Committee
- 1996-1997: Review of the University Libraries
- 1995-1996: Policy Committee, Department of Geophysical Sciences
- 1995-1996: Curriculum Committee, Department of Geophysical Sciences
- 1993-1995, 1996-1997, 2001-present: Appointments Committee, Department of Geophysical Sciences
- 1994. Committee to Recommend a Chair for the Department of Organismal Biology and Anatomy

1993-1994. Physical Sciences Division/Biological Sciences Division Initiatives Committee
 Co-leader, University of Chicago Alumni tours to Galapagos Islands (1990), Gulf of California (1994),
 Yucatan-Belize-Honduras-Guatemala (1995), Alaska-British Columbia (1998)

STUDENTS ADVISED

Margaret Hardy (MS 1985)
 Jay Schneider (PhD 1993)
 Kaustuv Roy (PhD 1994)
 Sherman Suter (PhD 1994)
 Jane Masterson (PhD 1995)
 Gunther Eble (PhD 1997)
 Joseph Walsh (MS 1998)
 Rowan Lockwood (PhD 2001)
 Matthew A. Kosnik (PhD 2003)
 Rebecca M. Price (PhD 2003)
 Alistair McGowan (PhD 2003)
 Emily G. Allen (PhD 2005)
 Paul Harnik (PhD 2009)

EXTERNAL MEMBER OF PhD COMMITTEE

Gail Grabowsky, Duke University (PhD 1992)
 Devin Buick, University of Cincinnati (PhD 2009)
 Nicholas J. Matzke, University of California, Berkeley (PhD expected 2013)

RESEARCH GRANTS

1/79-1/82: NSF, Developmental strategies of benthic marine invertebrates: Application to paleontological problems (w/J.W. Valentine and R.A. Lutz)
 2/82-8/84: NSF, Developmental strategies of benthic marine invertebrates: Application to paleontological problems (w/J.W. Valentine and R.A. Lutz)
 3/85-3/88: NSF, Developmental strategies of benthic marine invertebrates: Evolutionary effects (w/J.W. Valentine and R.A. Lutz) (extended to 6/90)
 9/85-8/88: Petroleum Research Fund, Paleoenvironmental history of American macroinvertebrate assemblages in the post-Paleozoic (w/David Bottjer)
 6/97-11/90: NSF, Large-scale evolutionary patterns in fossil marine invertebrates (U.S.-U.K. Program)
 9/88-8/89: Petroleum Research Fund: Paleoenvironmental history of macroinvertebrate assemblages in the post-Paleozoic (w/David Bottjer)
 6/90-6/94: NSF, Developmental strategies of benthic marine invertebrates: Evolutionary effects (w/J.W. Valentine and R.A. Lutz) [accomplishment-based renewal]
 4/94-12/99: NSF, Gradients of origination and extinction in benthic marine invertebrates: Comparative analyses of the fossil record (w/J.W. Valentine)
 8/99-7/05: NSF, Paleobiology of latitudinal turnover gradients: transoceanic comparative analyses (w/J.W. Valentine and K. Roy)
 8/05-7/09: NASA, Evolutionary dynamics of planetary biodiversity gradients: Origin, maintenance and future of latitudinal trends (w/J.W. Valentine and K. Roy)
 7/09-6/12: NSF, Collaborative Research: Bivalves in time and space: testing the accuracy of methods to

reconstruct ancestral morphology, dates, geography, and diversification patterns (w/Scott Stepan, John Huelsenbeck, Rüdiger Bieler, and Paula Mikkelsen).

8/09-7/12: NASA, The impact of the Impact: evolutionary and biogeographic effects of the K-T impact (w/J.W. Valentine and K. Roy)

ARTICLES IN PEER-REVIEWED JOURNALS AND BOOKS

1. Lutz, R.A., and D. Jablonski, 1978. Cretaceous bivalve larvae. *Science* 199: 439-440.
2. Lutz, R.A., and D. Jablonski, 1978. Larval shell bivalve shell morphometry: A new paleoclimatic tool? *Science* 202: 51-53.
3. Jablonski, D., and R.A. Lutz, 1979. Larval ecology of extinct mollusks: Comment of larval development of hyolithids. *Lethaia* 12: 306.
4. Jablonski, D., and R.A. Lutz, 1980. Larval shell morphology: Ecological and paleontological applications. In D.C. Rhoads and R.A. Lutz, eds., *Skeletal Growth of Aquatic Organisms*. New York: Plenum, 323-377.
5. Lutz, R.A., D. Jablonski, D.C. Rhoads, and R.D. Turner, 1980. Larval dispersal of a deep-sea hydrothermal vent bivalve from the Galapagos Rift. *Mar. Biol.* 57: 127-133.
6. Jablonski, D., 1980. Apparent versus real biotic effects of transgression and regression. *Paleobiology* 6: 397-407.
7. Lutz, R.A., and D. Jablonski, 1981. Identification of living and fossil bivalve larvae. *Science* 212: 1419.
8. Jablonski, D., and R.A. Lutz, 1983. Larval ecology of marine benthic invertebrates: Paleobiological implications. *Biol. Rev.* 58: 21-89.
9. Valentine, J.W., and D. Jablonski, 1983. Larval adaptations and patterns of brachiopod diversity in space and time. *Evolution* 37: 1052-1061.
10. Jablonski, D., and D.J. Bottjer, 1983. Soft-substratum epifaunal suspension-feeding assemblages in the Late Cretaceous: Implications for the evolution of benthic paleocommunities. In: M.J. Tevesz and P.L. McCall, eds., *Biotic Interactions in Recent and Fossil Benthic Communities*. New York: Plenum, 747-812.
11. Kidwell, S.M., and D. Jablonski, 1983. Taphonomic feedback: Ecological consequences of shell accumulation. In: M.J. Tevesz and P.L. McCall, eds., *Biotic Interactions in Recent and Fossil Benthic Communities*. New York: Plenum, 195-248.
12. Jablonski, D., J.J. Sepkoski, Jr., D.J. Bottjer, and P.M. Sheehan, 1983. Onshore-offshore patterns in the evolution of shelf communities. *Science* 222: 1123-1125 [see also R. Lewin, 1983, Origin of

species in stressed environments, *Science* 222: 1112; "Evolution in hard places," *Newsweek*, 2 January, 1984; and "Suffering artists," *The Economist*, 2 June, 1984]

13. Fürsich, F.T., and D. Jablonski, 1984. Late Triassic naticid drillholes: Carnivorous gastropods gain a major adaptation but fail to radiate. *Science* 224: 78-80.
14. Flessa, K.W., and D. Jablonski, 1984. Extinctions are here to stay. *Paleobiology* 9: 315-321.
15. Jablonski, D., 1984. Keeping time with mass extinctions. *Paleobiology* 10: 139-145.
16. Jablonski, D., J.J. Sepkoski, Jr., D.J. Bottjer, and P.M. Sheehan, 1984. Biological diversity [reply to Brussard]. *Science* 224: 1294.
17. Lutz, R.A., D. Jablonski, and R.D. Turner, 1984. Larval development and dispersal at deep-sea hydrothermal vents. *Science* 226: 1451-1453.
18. Flessa, K.W., and D. Jablonski, 1985. Declining Phanerozoic extinction rates: Effect of taxonomic structure? *Nature* 313: 216-218.
19. Jablonski, D., K.W. Flessa, and J.W. Valentine, 1985. Paleobiology and biogeography. *Paleobiology* 11: 75-90.
20. Turner, R.D., R.A. Lutz, and D. Jablonski, 1985. Modes of larval development at deep-sea hydrothermal vents. *Bull. Biol. Soc. Washington* 6: 167-184.
21. Jablonski, D., and K.W. Flessa, 1986. The taxonomic structure of shallow-water marine faunas: Implications for Phanerozoic extinctions. *Malacologia* 27: 43-66.
22. Lutz, R.A., P. Bouchet, D. Jablonski, R.D. Turner, and A. Warén, 1986. Larval ecology of mollusks at deep-sea hydrothermal vents. *Amer. Malac. Bull.* 4: 49-54.
23. Jablonski, D., 1986. Background and mass extinctions: The alternation of macroevolutionary regimes. *Science* 231: 129-133 [see also R. Lewin, 1986, Mass extinctions select different victims, *Science* 231: 219-220].
24. Jablonski, D. 1986. Larval ecology and macroevolution of marine invertebrates. *Bull. Mar. Sci.* 39: 565-587.
25. Valentine, J.W., and D. Jablonski, 1986. Mass extinctions: Sensitivity of marine larval types. *Proc. Natl. Acad. Sci. USA* 83: 6912-6914.
26. Jablonski, D. 1987. Heritability at the species level: Analysis of geographic ranges of Cretaceous mollusks. *Science* 238: 360-363.
27. Jablonski, D. 1988. Estimates of species durations [reply to Russell and Lindberg]. *Science* 240:

969.

28. Bottjer, D.J., M.L. Droser, and D. Jablonski, 1988. Palaeoenvironmental trends in the history of trace fossils. *Nature* 333: 252-255.
29. Bottjer, D.J., and D. Jablonski, 1988 (1989). Palaeoenvironmental patterns in the evolution of post-Paleozoic benthic marine invertebrates. *Palaios* 3: 540-560.
30. Jablonski, D., and J.W. Valentine, 1990. From regional to total geographic ranges: Testing relationship in Recent bivalves. *Paleobiology* 16: 126-142.
31. Valentine, J.W., and D. Jablonski, 1991. Biotic effects of sea-level change: The Pleistocene test. *J. Geophys. Res.* 96: 6873-6878.
32. Jablonski, D., and D.J. Bottjer, 1991. Environmental patterns in the origins of higher taxa: The post-Paleozoic fossil record. *Science* 252: 1831-1833.
33. Jablonski, D. 1991. Extinctions: A paleontological perspective. *Science* 253: 754-756.
34. Raup, D.M., and D. Jablonski, 1993. Geography of end-Cretaceous marine bivalve extinctions. *Science* 260: 971-973.
35. Jablonski, D. 1993. The tropics as a source of evolutionary novelty: The post-Palaeozoic fossil record of marine invertebrates. *Nature* 364: 142-144.
36. Jablonski, D., and D.M. Raup, 1995. Selectivity of end-Cretaceous marine bivalve extinctions. *Science* 268: 389-391.
37. Flessa, K.W., and D. Jablonski, 1995. Biogeography of Recent marine bivalve molluscs and its implications for paleobiogeography and the geography of extinction: A progress report. *Hist. Biol.* 10: 25-47.
38. Roy, K., D. Jablonski, and J.W. Valentine, 1995. Thermally anomalous assemblages revisited: Patterns in the extraprovincial range shifts of Pleistocene marine mollusks. *Geology* 23: 1071-1074.
39. Valentine, J.W., D.H. Erwin, and D. Jablonski, 1996. Developmental evolution of metazoan bodyplans: The fossil evidence. *Developmental Biology* 173: 373-381.
40. Jablonski, D., and J.J. Sepkoski, Jr. 1996. Paleobiology, community ecology, and scales of ecological pattern. *Ecology*, 77: 1367-1378.
41. Roy, K., D. Jablonski, and J.W. Valentine, 1996. Higher taxa in biodiversity studies: Patterns from eastern Pacific marine mollusks. *Phil. Trans. Roy. Soc. London B*351: 1605-1613.

42. Roy, K., J.W. Valentine, D. Jablonski, and S.M. Kidwell, 1996. Scales of climatic variability and time averaging in Pleistocene biotas: Implications for ecology and evolution. *Trends in Ecology and Evolution* 11: 458-463.
43. Jablonski, D. 1997. Body-size evolution in Cretaceous molluscs and the status of Cope's rule. *Nature* 385: 250-252.
44. Jablonski, D., S. Lidgard, and P.D. Taylor, 1997. Comparative ecology of bryozoan radiations: Origin of novelties in cyclostomes and cheilostomes. *Palaios* 12: 505-523.
45. Roy, K., D. Jablonski, J.W. Valentine, and G. Rosenberg, 1998. Marine latitudinal diversity gradients: Tests of causal hypotheses. *Proceedings of the National Academy of Sciences USA* 95: 3699-3702.
46. Jablonski, D. 1998. Geographic variation in the molluscan recovery from the end-Cretaceous extinction. *Science* 279: 1327-1330.
47. Valentine, J.W., D. Jablonski, and D.H. Erwin, 1999. Fossils, molecules and embryos: New perspectives on the Cambrian explosion. *Development* 126: 851-859.
48. Roy, K., D. Jablonski, and J.W. Valentine, 2000. Dissecting latitudinal diversity gradients: Functional groups and clades of marine bivalves. *Proc. Roy. Soc. London B267*: 293-299.
49. Roy, K., D. Jablonski, and K.K. Martien, 2000. Invariant size-frequency distributions along a latitudinal gradient in marine bivalves. *Proceedings of the National Academy of Sciences USA* 97: 13150-13155.
50. Jablonski, D. 2000. Micro- and macroevolution: scale and hierarchy in evolutionary biology and paleobiology. *Paleobiology* 26 (Suppl. to No. 4): 15-52.
51. Roy, K., D. Jablonski, and J.W. Valentine, 2001. Climate change, species range limits and body size in marine bivalves. *Ecology Letters* 4: 366-370.
52. Valentine, J.W., K. Roy, and D. Jablonski, 2002. Carnivore/ noncarnivore ratios in northeastern Pacific marine gastropods. *Mar. Ecol. Progr. Ser.* 228: 153-163.
53. Roy, K., D. Jablonski, and J.W. Valentine, 2002. Body size and invasion success in marine bivalves. *Ecology Letters* 5: 163-167.
54. Jablonski, D. 2002. Survival without recovery after mass extinctions. *Proceedings of the National Academy of Sciences USA* 99: 8139-8144.
55. Jablonski, D., and K. Roy, 2003. Geographic range and speciation in fossil and living molluscs. *Proc. Roy. Soc. London B270*: 401-406.

56. Jablonski, D., K. Roy, J.W. Valentine, R.M. Price, and P.S. Anderson, 2003. The impact of the Pull of the Recent on the history of bivalve diversity. *Science* 300: 1133-1135.
57. Eldredge, N., J. N. Thompson, P. M. Brakefield, S. Gavrillets, D. Jablonski, J.B.C. Jackson, R.E. Lenski, B.S. Lieberman, M. A. McPeck, and W. Miller, 2005. Dynamics of evolutionary stasis. *Paleobiology* 31 (Suppl. to No. 2): 133-145.
58. Jablonski, D. 2005. Mass extinctions and macroevolution. *Paleobiology* 31 (Suppl. to No. 2): 192-210.
59. Goldberg, E., K. Roy, R. Lande, and D. Jablonski, 2005. Diversity, endemism, and age distributions in macroevolutionary sources and sinks. *Am. Nat.* 165: 623-633.
60. Hunt, G., K. Roy, and D. Jablonski, 2005. Heritability of geographic range sizes revisited. *Am. Nat.* 166: 129-135.
61. Jablonski, D. 2005. Evolutionary innovations in the fossil record: The intersection of ecology, development and macroevolution. *Journal of Experimental Zoology. Part B, Molecular and Developmental Evolution* 304B: 504-519.
62. Valentine, J. W., D. Jablonski, S. M. Kidwell, and K. Roy, 2006. Assessing the fidelity of the fossil record by using marine bivalves. *Proceedings of the National Academy of Sciences USA* 103: 6599-6604.
63. Jablonski, D., and G. Hunt, 2006. Larval ecology, geographic range, and species survivorship in Cretaceous mollusks: Organismic vs. species-level explanations. *Am. Nat.* 168: 556-564.
64. Jablonski, D., K. Roy, and J.W. Valentine, 2006. Out of the Tropics: Evolutionary dynamics of the latitudinal diversity gradient. *Science* 314: 102-106. See also http://evolution.berkeley.edu/evolibrary/news/061101_diversity
65. Kosnik, M. A., D. Jablonski, R. Lockwood, and P M. Novack-Gottshall, 2006. Quantifying molluscan body size in evolutionary and ecological analyses: Maximizing the return on data-collection efforts. *Palaios* 21: 588-597.
66. Jablonski, D. 2007. Scale and hierarchy in macroevolution. *Palaeontology*, 50: 87-109. See also http://evolution.berkeley.edu/evolibrary/article/jablonski_01
67. Krug, A. Z., D. Jablonski, and J. W. Valentine, 2007. Contrarian clade confirms the ubiquity of spatial origination patterns in the production of latitudinal diversity gradients. *Proceedings of the National Academy of Sciences USA* 104: 18129-18134
68. Krug, A. Z., D. Jablonski, and J. W. Valentine, 2008. Species-genus ratios reflect a global history of diversification and range expansion in marine bivalves. *Proc. Roy. Soc. London B* 275: 1117-1123.

69. Valentine, J. W., D. Jablonski, A. Z. Krug, and K. Roy, 2008. Incumbency, diversity, and latitudinal gradients. *Paleobiology* 34: 169-178.
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