

# Curriculum Vitae

## David B. Wake

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<http://ib.berkeley.edu/labs/wake/wakelab.html>

### PROFESSIONAL PREPARATION

B.A., Biology, 1958, Pacific Lutheran College, Tacoma, Washington.

M.S., Biology, 1960; Ph.D., Biology, 1964, University of Southern California.

Honors: Guggenheim Fellow (1981-82); Fellow, California Academy of Sciences; Fellow, American Association for the Advancement of Science; Fellow, Linnean Society, London; Quantrell Award for teaching, University of Chicago (1967); Distinguished Alumnus Award, Pacific Lutheran University (1977); Distinguished Lecturer, Herpetologists League (1984); Joseph Grinnell Medal for scientific natural history, Museum of Vertebrate Zoology (1998); Henry S. Fitch award for excellence in herpetology, American Society of Ichthyologists and Herpetologists (1999); Faculty Research Lecturer, University of California at Berkeley (2004); Joseph Leidy Medal, Academy of Natural Sciences, Philadelphia (2006); Berkeley Citation (2006); Elected to American Philosophical Society (1996); Elected to American Academy of Arts and Science (1997); Elected to National Academy of Sciences, U.S.A. (1998).

### APPOINTMENTS

Associate Professor (1969-1972) to Professor (1972-2003) of Integrative Biology and Curator of Herpetology (1969 --), Museum of Vertebrate Zoology, **University of California at Berkeley**. Professor Emeritus (2003--). Currently **Professor of the Graduate School** (2005-- ).

Director, Museum of Vertebrate Zoology, University of California, Berkeley, 1971-1998.

John and Margaret Gompertz Professor of Integrative Biology, Univ. Ca., Berkeley, 1991-1997.

Instructor to Assistant Professor, Anatomy and Biology, University of Chicago, 1964-69.

Visiting professor and guest scientist: University of Bremen (1982), University of Basel (1982), Smithsonian Tropical Research Institute (1988), University of Paris (1989), Harvard Univ. (2002). Associate, Mus. Comp. Zool. Harvard Univ. (2004--).

### MAJOR PROFESSIONAL ACTIVITIES AND SERVICE (PARTIAL LIST)

Co-founder and first Director, Task Force on Declining Amphibian Populations (IUCN). Several NSF Panels.

American Society of Zoologists: Chairman, Vertebrate Morphology Division, 1972-74; President, 1992.

Society for the Study of Evolution: Vice President, 1974 and 1977; President, 1983.

American Society of Naturalists: President, 1989.

Founder and Director, AmphibiaWeb (<http://www.amphibiaweb.org>), 1999--.  
Co-Founder of HerpNet (<http://www.herpNet.org/>), 2003-- .  
Founding Member and Principal Investigator, AmphibiaTree, NSF ATOL program, 2004--.  
Councillor, Save-The-Redwoods League, 2005--.

PUBLICATIONS (More than 300 peer-reviewed publications, plus popular articles and books.  
See <http://ib.berkeley.edu/labs/wake/wakelab.html> for complete list.

### SYNERGISTIC ACTIVITIES

1. Declining amphibians. Founding Director, Declining Amphibian Populations Task Force. Developed and currently direct AmphibiaWeb, an informatics resource and database for amphibian biologists (<http://www.amphibiaweb.org>).
2. Service as an officer in diverse scientific organizations: e.g., President, Society for the Study of Evolution (1983); President, American Society of Naturalists (1989); President, American Society of Zoologists (1992).
3. Service as an editor of scientific publications, including Editor (1979-80), *Evolution*; Corresponding Editor (1980-1990), *Biological Journal of the Linnean Society*; editorial board, *Proceedings of the National Academy of Sciences, USA* (1999-2002), editorial boards of many other journals.
4. Director of Museum of Vertebrate Zoology for 27 years, led renovation of building housing museum (\$95 million project), oversaw development of computerized data base for entire collection, now on-line (<http://mvz.berkeley.edu/>) active participant in distributed data base activities with consortium of institutions (NSF; GBIF). Co-PI for HerpNet (NSF: \$2.5 million) for development of distributed geocoded database for 40 herpetological collections in North America. PI for AmphibiaTree (NSF \$1.1 million), to generate robust phylogenetic hypothesis for all species of amphibians.

### COLLABORATORS & OTHER AFFILIATIONS

- (i) Current collaborators: D. Cannatella (U Texas), M. Garcia-Paris (Mus Nac Madrid), J. Hanken (Harvard U), E. Jockusch (U Conn), M-S Min (U. Seoul), C. Moritz (Berkeley) T. Papenfuss (Berkeley), G. Parra-Olea (UNAM-Mexico City) J. Savage (retired, San Diego), S. Sessions (Hartwick College), M. Vences (U. Braunschweig), M. Wake (U Calif Berkeley), J. Wiens (SUNY Stony Brook).
- (ii) Graduate Advisor: J. M. Savage (retired), no postdoctoral studies.
- (iii) Major advisor of 42 graduate students (2 current); the following received Ph.D. degrees in the past 5 years: S. Kuchta (U Lund Sweden), V. Vredenburg (San Francisco St U), R. Mueller (Colo St Univ), E. Rubenstein (U. Idaho), R. Bingham. Sponsor for 30 postdoctoral scholars (current: D. Vieites, P. Zhang, D Buckley, K. Whittaker).

## PRINCIPAL AREAS OF INTEREST

Evolutionary biology; genetics, ecology, speciation, systematics and biogeography of salamanders, especially those of the New World tropics.

Functional, developmental and evolutionary morphology of amphibians and reptiles.

Biodiversity and conservation biology; conservation strategies; declining amphibian populations.

Biodiversity informatics.

The Wake laboratory has received continuous support via competitive grants from the National Science Foundation since 1965.