

Shaping Primate Evolution

Form, Function and Behavior

Edited by Fred Anapol,
Rebecca Z. German and
Nina G. Jablonski



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Shaping Primate Evolution

Form, Function, and Behavior

Shaping Primate Evolution is an edited collection of state-of-the-art papers about how biological form is described in primate biology, and the consequences of form for function and behavior. The contributors are highly regarded, internationally recognized scholars in the field of quantitative primate evolutionary morphology. Each chapter elaborates upon the analysis of the form–function–behavior triad in a unique and compelling way. This book is distinctive not only in the diversity of the topics discussed, but also in the range of levels of biological organization that are addressed, from cellular morphometrics to the evolution of primate ecology. The book is dedicated to Charles E. Oxnard, whose influential pioneering work on innovative metric and analytic techniques has gone hand-in-hand with meticulous comparative functional analyses of primate anatomy. Through the marriage of theory with analytical applications, this volume will be an important reference work for all those interested in primate functional morphology.

FRED ANAPOL is a professor in the Department of Anthropology (adjunct in Biological Sciences) and the Director of the Center for Forensic Science at the University of Wisconsin–Milwaukee, where he teaches skeletal biology, primate variation and evolution, and forensic anthropology. His research focuses on evolutionary and developmental morphology and physiology of the neuromusculoskeletal system of mammals, especially primates.

REBECCA Z. GERMAN is a professor in Biological Sciences at the University of Cincinnati. Her research interests involve functional and evolutionary morphology, evolutionary developmental biology, and biostatistics. She has worked extensively on mammals and, in particular, on marsupials; work which has taken her regularly to Australia, including a term as senior Fulbright Fellow at the University of Western Australia.

NINA G. JABLONSKI is the Irvine Chair and Curator of Anthropology at the California Academy of Sciences. She is an evolutionary anthropologist with broad interests in primate and human evolution. She is the author of numerous publications, including several edited volumes on the biology of Old World monkeys and on the relationship between environmental change and primate evolution. Her recent research also embraces the controversial topics of the evolution of human bipedalism and of human skin coloration. Alongside several journal appointments, she is also Series Editor for *Cambridge Studies in Biological and Evolutionary Anthropology*.

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