

1. Record Nr.	UNINA9910819024403321
Titolo	Basics in human evolution // edited by Michael P. Muehlenbein
Pubbl/distr/stampa	Amsterdam, Netherlands : , : Academic Press, , 2015 ©2015
ISBN	0-12-802693-6
Descrizione fisica	1 online resource (609 p.)
Disciplina	573.2
Soggetti	Human evolution
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Front Cover; Basics in Human Evolution; Copyright; Dedication; Contents; Contributors; Preface; Part I - Positioning Human Evolution; Chapter 1 - Basic Evolutionary Theory; SYNOPSIS; INTRODUCTION; THE ORIGIN OF GENETIC VARIATION; VARIATION WITHIN POPULATIONS; GENETIC DRIFT; NATURAL SELECTION; LEVELS OF SELECTION; SPECIATION; FROM MICROEVOLUTION TO MACROEVOLUTION; EVOLUTIONARY THEORY TODAY; REFERENCES; Chapter 2 - Evolution, Creationism, and Intelligent Design; SYNOPSIS; INTRODUCTION; A SCIENTIFIC CREATIONISM; INTELLIGENT DESIGN; CONCLUSIONS; REFERENCES; Part II - Primates Chapter 3 - Primate EvolutionSYNOPSIS; INTRODUCTION; EXTANT GROUPS OF PRIMATES; HIGHER-LEVEL RELATIONSHIPS; PRIMATES ON AN ASCENDING SCALE?; DEFINING FEATURES OF PRIMATES; FOSSIL PRIMATES; OVERALL EVOLUTIONARY RELATIONSHIPS; REFERENCES; Chapter 4 - Comparative Anatomy of Primates; SYNOPSIS; OSTEOLOGY; MYOLOGY; EXTERNAL FEATURES AND INTERNAL ORGANS; REFERENCES; Chapter 5 - Primate Behavior; SYNOPSIS; SOCIAL ORGANIZATION, PREDATION, AND GROUP LIVING; SOCIAL ORGANIZATION AND SOCIAL RELATIONSHIPS; DOMINANCE, LEVERAGE, AND POWER; THE "SOCIOECOLOGICAL MODEL" SEXUAL CONFLICT AND "INTERSEXUAL MUTUALISM"COOPERATION; SOCIALITY AND FITNESS; REFERENCES; Chapter 6 - Primate Models for Human Evolution; SYNOPSIS; MODELS OF HUMAN EVOLUTION;

DENTITION AND DIET; LOCOMOTION; HABITAT OF OUR EARLIEST ANCESTORS; THE MACAQUE MODEL; FOSSILS AND LIVING PRIMATES; MAN THE HUNTED; REFERENCES; Part III - Hominins; Chapter 7 - Early Hominin Ecology; SYNOPSIS; THE EARLY HOMININ RECORD; MACRO PALEOENVIRONMENTAL CONTEXT; RECONSTRUCTING TERRESTRIAL HABITATS; GEOLOGICAL EVIDENCE; INFERRING HOMININ HABITATS AND ADAPTATIONS; LATE PLIOCENE ADAPTIVE RADIATIONS SUMMARY: THE LIMITS AND POTENTIAL OF OUR PALEOECOLOGICAL KNOWLEDGEREFERENCES; Chapter 8 - Bipedalism; SYNOPSIS; HOW DO HUMANS WALK?; ANATOMICAL FEATURES ASSOCIATED WITH BIPEDALISM; WHEN DID BIPEDALISM EVOLVE, AND WHAT EVOLUTIONARY STAGES OF BIPEDALISM DID WE PASS THROUGH?; WHY DID BIPEDALISM EVOLVE?; REFERENCES; Chapter 9 - Early Hominins; SYNOPSIS; TAXONOMY; PURPORTED EARLY HOMININ SPECIES; CONTEXT: CHIMPANZEE MORPHOLOGY; CONTEXT: MIDDLE MIOCENE APES; CONTEXT: LATE MIOCENE APES; THE MORPHOLOGY OF PURPORTED EARLY HOMININS; EARLY POSSIBLE HOMININS' ADAPTATIONS EARLY POSSIBLE HOMININS' PLACE IN NATUREREFERENCES; Chapter 10 - Australopithecines; SYNOPSIS; AUSTRALOPITHECUS; AUSTRALOPITHECUS AFARENSIS; AUSTRALOPITHECUS BAHRELGHAZALI; AUSTRALOPITHECUS ANAMENSIS; AUSTRALOPITHECUS GARHI; KENYANTHROPUS (AUSTRALOPITHECUS) PLATYOPS; AUSTRALOPITHECUS SEDIBA; AUSTRALOPITHECINE ADAPTATIONS; REFERENCES; Chapter 11 - Early Pleistocene Homo; SYNOPSIS; DEFINING THE GENUS HOMO; HISTORY OF DISCOVERY OF EARLY HOMO FOSSILS; TAXONOMIC DIVERSITY IN THE GENUS HOMO; TAXONOMIC AND PHYLOGENETIC ISSUES: HOMO HABILIS AND HOMO RUDOLFENSIS PHYLETIC ORIGINS AND THE DATING OF EARLY HOMO

Sommario/riassunto

Basics in Human Evolution offers a broad view of evolutionary biology and medicine. The book is written for a non-expert audience, providing accessible and convenient content that will appeal to numerous readers across the interdisciplinary field. From evolutionary theory, to the cultural evolution, this book fills gaps in the readers' knowledge from various backgrounds and introduces readers to thought leaders in human evolution research. Offers comprehensive coverage of the wide ranging field of human evolutionWritten for a non-expert audience, providing accessible and convenient conte
