

Content

6 **Preface**
Wolfgang David

8 **Preface**
Nicholas J. Conard

10 Liane Giemsch and Miriam Noël Haidle
In search of the beginnings of our culture
15 Profile: *Sahelanthropus tchadensis*

16 Thomas Junker
Between nature and culture: the two origins of humanity
25 Profile: *Ardipithecus ramidus and kadabba*

26 Friedemann Schrenk
Early human biocultural evolution
39 Profile: *Australopithecus afarensis*

40 Michael Bolus
The earliest stage of human stone tool technology: the Oldowan
53 Profile: *Australopithecus africanus*

54 Liane Giemsch
From Africa around the world: the Acheulean
65 Profile: *Paranthropus boisei*

66 Liane Giemsch
Early human use of fire
73 Profile: *Homo rudolfensis*

- 74** Angela A. Bruch and Karen Hahn
Raw or roasted? How fire changed what's on the menu
81 Steckbrief: *Homo habilis*
- 82** Miriam Noël Haidle
Taking a detour on the path to human thinking
91 Profile: *Homo ergaster*
- 92** Christine Michel
Of rattles and puzzle boxes—social learning as the key to being human
101 Profile: *Homo erectus*
- 102** Oliver Schlaudt
Habitus: the cultural primer
109 Profile: *Homo heidelbergensis*
- 110** Miriam Noël Haidle
Across the mountains, into the wide world. Evidence of human expansion
121 Profile: *Homo sapiens neanderthalensis*
- 122** Roman M. Wittig
Chimpanzee cultures—a search for clues
135 Profile: *Homo sapiens*
- 136** Madelaine Böhme
Tracing the steps to becoming human: research and scientific methods
142 Would you like to learn more about individual sites?
143 Author addresses
145 Picture credits
147 Imprint