CAMBRIDGE

Cambridge University Press
978-0-521-19522-5 — Archaeological Science
Edited by Michael Richards , Kate Britton
Table of Contents
More Information

CONTENTS

List of Figures *page vii*
List of Tables *ix*
List of Contributors *x*
Acknowledgements *xii*

PART I INTRODUCTION 1

1 **Introducing Archaeological Science** 3
Kate Britton and Michael P. Richards

PART II BIOMOLECULAR ARCHAEOLOGY 11

2 **Ancient DNA** 13
Liisa Loog and Greger Larson

3 **Proteomics** 35
Jessica Hendy, Nienke van Doorn, and Matthew Collins

4 **Residue Analysis** 70
Oliver E. Craig, Hayley Saul, and Cynthianne Spiteri

5 **Isotope Analysis for Mobility and Climate Studies** 99
Kate Britton

6 **Isotope Analysis for Diet Studies** 125
Michael P. Richards

PART III BIOARCHAEOLOGY 145

7 **Human Osteology** 147
Darlene A. Weston

8 **Dental Histology** 170
Tanya M. Smith

© in this web service Cambridge University Press www.cambridge.org

CAMBRIDGE
Cambridge University Press
978-0-521-19522-5 — Archaeological Science
Edited by Michael Richards , Kate Britton
Table of Contents
More Information

9 Geometric Morphometrics 198
Philipp Gunz

PART IV ENVIRONMENTAL ARCHAEOLOGY 213

10 Vertebrate Zooarchaeology 215
Beth Upex and Keith Dobney

11 Invertebrate Zooarchaeology 233
Marcello A. Mannino

12 Palaeoethnobotany 276
A. Catherine D'Andrea

13 Geoarchaeology 314
Panagiotis Karkanas

PART V MATERIALS ANALYSIS 333

14 Ceramics 335
Andrew J. Shortland and Patrick Degryse

15 Glass 347
Andrew J. Shortland and Thilo Rehren

16 Metals 365
Thilo Rehren

17 Lithics 387
Shannon P. McPherron

PART VI ABSOLUTE DATING METHODS 405

18 Radiocarbon Dating 407
Simon Blockley

19 Luminescence Dating 424
Richard M. Bailey

Index 439

© in this web service Cambridge University Press www.cambridge.org