Contents

List of illustrations ix
Notes on contributors xv

1. Introduction: Integrated and Multi-scalar Approaches to Early Farmers in Europe 1
   PENNY BICKLE AND ALASDAIR WHITTLE

2. The Future Neolithic: A New Research Agenda 21
   JOHN ROBB

3. Some Possible Conditions Necessary for the Colonisation of Europe by Domesticates 39
   JOHN C. BARRETT

4. Multi-agent Modelling of the Trajectory of the LBK Neolithic: A Study in Progress 53
   JEAN-PIERRE BOCQUET-APPEL, JÉRÔME DUBOULOZ, RICHARD MOUSSA, JEAN-FRANÇOIS BERGER, ANNE TRESSET, ELENA ORTU, JEAN-DENIS VIGNE, ROBIN BENDREY, STÉPHANIE BRÉHARD, DOMINIQUE SCHWARTZ, AURÉLIE SALAVERT, MARIA FERNANDA SANCHEZ-GOÑI, DAMIEN ERTLLEN, YOANN GAUVRY, GOURGUEN DAVTIAN, MARC VANDER LINDEN, EVA LENNEIS, LORETTA NOIRET, AGNÈS GUILLAUMONT AND MARTIN O’CONNOR

5. Ancient DNA Evidence for a Homogeneous Maternal Gene Pool in Sixth Millennium cal BC Hungary and the Central European LBK 71
   ANNA SZÉCSÉNYI-NAGY, VICTORIA KEERL, JÁNOS JAKUCS, GUIDO BRANDT, ESZTER BÁNNFFY AND KURT W. ALT

6. Settlement Burials at the Karsdorf LBK Site, Saxony-Anhalt, Germany: Biological Ties and Residential Mobility 95
   GUIDO BRANDT, CORINA KNIPPER, NICOLE NICKLISCH, ROBERT GANSLMEIER, MECHTHILD KLAMM AND KURT W. ALT
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Cattle and Sheep Herding at Cheia, Romania, at the Turn of the Fifth Millennium cal BC: A View from Stable Isotope Analysis</td>
<td>MARIE BALASSE, CARLOS TORNERO, STÉPHANIE BRÉHARD, JOËL UGHETTO-MONFRIN, VALENTINA VOINEA AND ADRIAN BÂLĂŞESCU</td>
<td>115</td>
</tr>
<tr>
<td>8</td>
<td>Herding Practices in the Ditched Villages of the Neolithic Tavoliere (Apulia, South-east Italy): A Vicious Circle? The Isotopic Evidence</td>
<td>MARY ANNE TAFURI, JOHN ROBB, MARIA GIOVANNA BELCASTRO, VALENTINA MARIOTTI, PAOLA IACUMIN, ANTONIETTA DI MATTEO AND TAMSIN O’CONNELL</td>
<td>143</td>
</tr>
<tr>
<td>9</td>
<td>Linear Pottery Culture Household Organisation: An Economic Model</td>
<td>LAMYS HACHEM AND CAROLINE HAMON</td>
<td>159</td>
</tr>
<tr>
<td>10</td>
<td>Framing Farming: A Multi-stranded Approach to Early Agricultural Practice in Europe</td>
<td>AMY BOGAARD</td>
<td>181</td>
</tr>
<tr>
<td>11</td>
<td>Stewing on a Theme of Cuisine: Biomolecular and Interpretive Approaches to Culinary Changes at the Transition to Agriculture</td>
<td>HAYLEY SAUL, AIKATERINI GLYKOU AND OLIVER E. CRAIG</td>
<td>197</td>
</tr>
<tr>
<td>12</td>
<td>Life Conditions and Health in Early Farmers: A Global Perspective on Costs and Consequences of a Fundamental Transition</td>
<td>CLARK SPENCER LARSEN</td>
<td>215</td>
</tr>
<tr>
<td>13</td>
<td>Biographical Bodies: Flesh and Food at Çatalhöyük</td>
<td>JESSICA PEARSON AND LYNN MESKELL</td>
<td>233</td>
</tr>
<tr>
<td>14</td>
<td>Neolithic Lifeways: Microstratigraphic Traces within Houses, Animal Pens and Settlements</td>
<td>WENDY MATTHEWS, LISA-MARIE SHILLITO, SARAH ELLIOTT, IAN D. BULL AND JAMES WILLIAMS</td>
<td>251</td>
</tr>
<tr>
<td>15</td>
<td>Violence in Neolithic North-west Europe: A Population Perspective</td>
<td>RICK J. SCHULTING AND LINDA FIBIGER</td>
<td>281</td>
</tr>
<tr>
<td>16</td>
<td>Mass Graves of the LBK: Patterns and Peculiarities</td>
<td>CHRISTIAN MEYER, CHRISTIAN LOHR, OLAF KÜRBIS, VEIT DRESELY, WOLFGANG HAAK, CHRISTINA J. ADLER, DETLEF GRONENBORN AND KURT W. ALT</td>
<td>307</td>
</tr>
</tbody>
</table>
CONTENTS

17. Revealing Our Vibrant Past: Science, Materiality and the Neolithic
   OLIVER J.T. HARRIS

18. Pottery, Archaeology and Chemistry: Contents and Context
   JESSICA SMYTH AND RICHARD P. EVERSHELD

19. Constructing a Narrative for the Neolithic of Britain and Ireland:
    The Use of ‘Hard Science’ and Archaeological Reasoning
   ALISON SHERIDAN AND PIERRE PÉTREQUIN

20. Doing Science in the Mesolithic, Neolithic and Copper Age: An
    Insider’s Perspective
   JOHN CHAPMAN

    of Proxy Measures
   PAUL HALSTEAD

Index