

Contents

<i>Acknowledgements</i>	ix
Introduction	1
<i>Why DNA?</i>	3
<i>Investigating the law–science relationship</i>	5
<i>The study</i>	7
<i>Organisation of the book</i>	8
1 Principles and features of the criminal trial	11
<i>The criminal trial: a search for truth and beyond</i>	11
<i>Jury trial and the 'bifurcated court'</i>	15
<i>Continuous, oral and public adjudication</i>	22
<i>Adversarial proceedings</i>	24
2 Challenging the reliability of DNA evidence	31
<i>Introduction</i>	31
<i>A brief historical overview: the early years of forensic DNA</i>	34
<i>Lessons from the early DNA experience: 'adversarialism' and 'equality of arms'</i>	52
<i>Further developments: contesting the admissibility of Low Copy Number DNA</i>	57
<i>Conclusion</i>	62
3 The admissibility of expert evidence	64
<i>Introduction</i>	64
<i>The current admissibility regime</i>	66
<i>The proposed new regime for admissibility</i>	73
<i>The significance of the proposed reform for the criminal trial</i>	87
<i>Conclusion</i>	96

4	The interpretation and presentation of DNA evidence	98
	<i>Introduction</i>	98
	<i>Interpretation of DNA evidence</i>	99
	<i>The presentation of DNA evidence</i>	111
	<i>The role of the expert witness in criminal trials</i>	127
	<i>Conclusion</i>	136
5	Evaluating the weight of scientific evidence	137
	<i>Introduction</i>	137
	<i>The impact of scientific reasoning on the jury's evidence evaluation process</i>	139
	<i>Beyond Bayes: the impact of R v Doheny and Adams</i>	159
	<i>The role and future of the jury in criminal trials</i>	168
	<i>Conclusion</i>	177
6	The impact of scientific evidence on the criminal trial	179
	<i>Appendix</i>	192
	<i>The scientific basis of DNA profiling</i>	192
	<i>Bibliography</i>	194
	<i>Index</i>	205