

# Darwinism's struggle for survival

Heredity and the  
hypothesis of natural selection

---

Jean Gayon

*Université Paris 7 – Denis Diderot*

*Translated by Matthew Cobb*



**CAMBRIDGE**  
UNIVERSITY PRESS

# Contents

---

<i>List of illustrations</i>	page xi
<i>Preface to the English edition</i>	xiii
Introduction	1
<b>Part 1 The Darwinian hypothesis</b>	17
1 Wallace and Darwin: a disagreement and its meaning	19
2 The ontology of selection	60
3 Jenkin's objections, Darwin's dilemma	85
<b>Part 2 Selection faced with the challenge of heredity: sixty years of principled crisis</b>	103
4 Galton and the concept of heredity	105
5 Post-Darwinian views of selection and regression	147
6 The strategy of indirect corroboration: the case of mimicry	178
7 The search for direct proof: biometry	197
8 Establishing the possibility of natural selection: the confrontation of Darwinism and Mendelism	253
<b>Part 3 The genetic theory of selection</b>	319
9 The place of selection in theoretical population genetics	321
10 The empirical and the formal	355
Conclusion	397
<i>Notes</i>	408
<i>Bibliography</i>	470
<i>Index</i>	504