

# Contents

<i>List of Figures</i>	ix
<i>List of Tables</i>	xi
<i>Abbreviations</i>	xiv
<i>Notes on Contributors</i>	xv

Introduction: Innovation and Growth—From R&D Strategies of Innovating Firms to Economy-Wide Technological Change <i>Martin Andersson, Börje Johansson, Charlie Karlsson, and Hans Lööf</i>	1
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---

## Part I. Understanding the R&D Strategies of the Innovating Firm

1. Managing Knowledge Within and Outside the Multinational Corporation <i>Paul Almeida and Anu Phene</i>	21
2. The Dynamics of Innovation Strategies <i>Bart Verspagen and Tommy Høyvarde Clausen</i>	38
3. Superstar Subsidiaries of the Multinational Corporation: In Search of Origins and Drivers <i>Katarina Blomkvist, Philip Kappen, and Ivo Zander</i>	57
4. Knowledge Accession Strategies and the Spatial Organization of R&D <i>John Cantwell and Feng Zhang</i>	88

## Part II. Firm-Level Return to R&D Strategies

5. How Good Are Patents as Innovation Indicators? Evidence from German CIS Data <i>Alfred Kleinknecht and Henk Jan Reinders</i>	115
6. The Importance of Process and Product Innovation for Productivity in French Manufacturing and Service Industries <i>Jacques Mairesse and Stephane Robin</i>	128

## Contents

---

7. R&D Collaboration and Innovative Performance 160  
*René Belderbos, Geert Duysters, and Anna Sabidussi*
8. R&D Strategy and Firm Performance: What Is the Long-Run  
Impact of Persistent R&D? 182  
*Hans Lööf, Börje Johansson, Martin Andersson, and Charlie Karlsson*

### Part III. Beyond the Firm: Economy-Wide Effects of R&D Strategies

9. Technological Congruence and Productivity Growth 209  
*Cristiano Antonelli*
10. Spillover, Linkages, and Productivity Growth in the US Economy,  
1958 to 2007 233  
*Edward N. Wolff*
11. R&D Spillovers, Entrepreneurship, and Growth 266  
*Zoltan J. Acs*
12. Innovation and Growth: A Technical or Entrepreneurial Residual? 286  
*Pontus Braunerhjelm*
13. Framework Conditions for High-Potential Entrepreneurship:  
A Theoretical Structure and its Implications 317  
*David M. Hart*

### IV. Reflections

- Author Index* 339
- Subject Index* 342