Contents

List of figures ........................................ vii
List of tables ......................................... ix
List of contributors .................................. xi
Foreword
EDWARD B. ROBERTS ................................ xv
Foreword
DONALD SIEGEL ..................................... xix
Acknowledgments ..................................... xxi

1. Introduction ........................................ 1
   THOMAS J. ALLEN AND RORY P. O’SHEA

2. The second academic revolution: The rise of the
   entrepreneurial university and impetuses to firm
   foundation .......................................... 12
   HENRY ETZKOWITZ

3. University-based entrepreneurship: A synthesis of the
   literature ........................................... 33
   RORY P. O’SHEA, CIARA FITZGERALD, HARVEEN
   CHUGH, AND THOMAS J. ALLEN

4. Creating the MIT entrepreneurial ecosystem .......... 60
   ELLIOT A. FISHMAN, RORY P. O’SHEA, AND
   THOMAS J. ALLEN

5. Inventing the entrepreneurial university: Stanford and
   the co-evolution of Silicon Valley .................. 88
   TIMOTHY LENOIR

6. The partnership between entrepreneurial science and
   entrepreneurial business: A study of integrated
   development at UCSD and San Diego’s
   high-tech economy ................................... 129
   MARY WALSHOK AND CAROLYN LEE
Contents

7. Knowledge for the world: A brief history of commercialization at Johns Hopkins University
   Maryann Feldman, Pierre Desrochers, and Janet Bercovitz
   156

8. From ivory tower to industrial promotion: The case of Yale University and the biotechnology cluster in New Haven
   Shiri M. Breznitz
   192

9. Fostering cross-campus entrepreneurship – Building technology transfer within UCD to create a start-up environment
   Colm O’Gorman and Frank W. Roche
   213

10. Stimulating academic entrepreneurship and technology transfer: A study of Kings College London commercialization strategies
    Mike Wright and Igor Filatotchev
    241

11. KU Leuven: Complementing inception dynamics with incubation practices
    Petra Andries, Bart Van Looy, and Koenraad Debackere
    262

12. Toward a “global knowledge enterprise”: The entrepreneurial university model of the National University of Singapore
    Poh-Kam Wong, Yuen-Ping Ho, and Annette Singh
    281

13. The path to the entrepreneurial university in China: A case study of Northeastern University, China
    Chunyan Zhou
    307

14. Public research organizations as a base for high-tech entrepreneurship in Europe: The case of IMEC and INRIA
    Philippe Mustar, Mirjam Knockaert, and Bart Clarysse
    330

15. Conclusion: Strategies for enhancement of academic entrepreneurship
    Rory P. O’Shea and Thomas J. Allen
    354

Index
    377