Public Universities and Regional Growth

INSIGHTS FROM THE UNIVERSITY OF CALIFORNIA

Edited by Martin Kenney and David C. Mowery

STANFORD BUSINESS BOOKS

An Imprint of Stanford University Press

Stanford, California

Contents

List of Illustrations ix

Acknowledgments xi

Contributor Biographies xiii

- Introduction i MARTIN KENNEY AND DAVID C. MOWERY
- Semiconductor Innovation and Entrepreneurship at Three University of California Campuses 20 CHRISTOPHE LÉCUYER
- The University of California and the Evolution of the Biotechnology Industry in San Diego and the San Francisco Bay Area 66 STEVEN CASPER
- 4. Electrical Engineering and Computer Science at UC Berkeley and in the Silicon Valley: Modes of Regional Engagement 97 MARTIN KENNEY, DAVID C. MOWERY, AND DONALD PATTON
- Serendipity and Symbiosis: UCSD and the Local Wireless Industry 127
 MARY WALSHOK AND JOEL WEST
- 6. University in a Garage: Instrumentation and Innovation in and around UC Santa Barbara 153
 CYRUS C. M. MODY

 "We Are Both Hosts": Napa Valley, UC Davis, and the Search for Quality 180
 JAMES LAPSLEY AND DANIEL SUMNER

References 213 Index 235