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Troubleshooting: Lessons from Engineers; Chapter 10. Experimental Reports; Just the Facts, Please!; Organization and Content; Chapter 11. Experimental Methods; Details of Accepted Practice; Chapter 12. Standard Operating Procedures; Chapter 13. How to Choose a Postdoctoral Position; Define Your Goals; Identify Your Selection and Decision Criteria; Negotiating the Deal; Chapter 14. How to Choose a Biotechnology Company; Defining Personal Goals; Selection Criteria; Cultural Level; Interpersonal Level; Negotiations; Exit Strategy Chapter 15. How to Set up a Laboratory Organizing; Inventories; Equipment and Manuals; Methods, Protocols, and Standard Operating Procedures; Chapter 16. How to Administer a Laboratory; Personnel; Finances; Publication Expectations; Leaving the Laboratory; Chapter 17. Collaborations; Steps to Facilitate Collaboration; Acknowledgment; Chapter 18. How to Close a Laboratory; Inventories, Cleanup, and Inspections; Equipment; Personnel; Chapter 19. Professional Expectations of PhD's in Academia and Industry; Publications; Grants; Peer Reviewing; Teaching; Community Service Honors and Speaking Engagements Academic Freedom; Biotech Industry Special Emphases; Patents; Chapter 20. Personnel Management Skills; Recruiting; Hiring; Mentoring; Promoting; Terminating; Chapter 21. Changing Jobs; Transitioning from Academia to Industry (and Back); Networking; Interviewing; Chapter 22. Personal Life; Child Care; Family and Friends; Outside Activities; Chapter 23. Personal Development; Micromanaging; Leadership Training; Managing Projects and Building Teams; Teaching; Communicating; Fostering Creativity; Index

Sommario/riassunto

The book deals with both the abstract and practical aspects of moving from a university laboratory to a position in the biotech industry. Each chapter lists common and unique features to evaluate breaking down complex decisions into manageable elements. Several sections provide "how to" guides for the preparation of manuscripts, patents, grants, and internal company documents.*Written by an experienced academician and successful biotechnology entrepreneur*Reviews the basic tools taught in a traditional university *Identifies new ways these tools will be used in the cor

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