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| Soggetti                | Medicine<br>Surgery<br>Medical education<br>Medicine/Public Health, general<br>Medical Education  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Note generali           | Description based upon print version of record.   |
| Nota di bibliografia    | Includes bibliographical references and index.  |
| Nota di contenuto       | Preface; Contents; Contributors; Chapter 1: How to Set Up, Staff, and Fund Your Basic Science or Translational Research Laboratory; Introduction; Time; Scheduling; Space; Equipment and Supplies: Things You Will Need to Purchase; Technical Assistance; Putting It All Together in "The Package"; Institutional Regulations; Other Factors; Mentorship; Collaborators; Grant Funding; Responding to Failure; Chapter 2: Choosing a Good Basic Science or Translational Research Mentor; Introduction; Defining an Effective Mentor; Accumulated Wisdom; Personal Interest; Generosity; Impermanence<br>Finding an Effective MentorRecognize Your Needs; Have More Than One; Be Worthy of a Mentor; Be Open to Surprise; Suggestions for Additional Study; Chapter 3: Effective Time Management Strategies for Conducting Laboratory Research; Introduction; Context Switching; Secure Research Space; Managing Your Week; Take Charge of Your Schedule; Structure Your Clinic; Pile on the Clinical Work on Clinical Days; Limit Scheduled Meetings; Structuring Your Research Days; Lab Meeting; To-Do Lists; Have a Clinical Task Bag; Carry a Research Task Bag; Crafting a To-Do List<br>Make Your To-Do Available EverywherePlanning the First Year; Months |

1-3; Months 3-6; Months 6-9; Months 9-12; Maintain Balance; Conclusions; References; Chapter 4: How to Read the Literature, Develop a Hypothesis, and Design an Experiment for Basic Science and Translational Research; Introduction; How to Read the Literature; Developing a Hypothesis; Design an Experiment; Conclusions; References; Chapter 5: Tips on Maintaining an Effective Lab Notebook for Bench Research; Introduction; The Challenges of Record Keeping; Maintenance of the Canonical Laboratory "Notebook" Archiving of Scientific Data Electronic Notebooks; Conclusions; Resources; ELN Websites; References; Chapter 6: How to Conduct Cell Culture; Introduction: Why Do Cell Culture Experiments?; Basic Culture Techniques and Good Cell Culture Practices; Sterile Technique; Dealing with Contamination; Know Your Cells; Counting Using the Hemocytometer; Passaging and Plating Cells; Freezing and Thawing Cells; Cell Type Selection; The Importance of Choosing the Right Cell Type; Cell Lines vs. Primary Cultures; Adherent vs. Suspension Cultures; Different Media for Specific Cell Types; Conclusion References Chapter 7: Modern Techniques for Protein Assessment; Protein Sources; Whole Tissue Samples; Bacteria; Yeast; Mammalian Cell Culture; Protein Extraction; Protein Purification; Precipitation; Centrifugation; Chromatography; Gel Electrophoresis; Two-Dimensional Gel Electrophoresis; Protein Identification and Quantitation; Mass Spectrometry and MALDI-TOF; Western Blotting; Immunoassays; Immunohistochemistry; Flow Cytometry; Immunoassays in Live Animals; Identifying Protein Function by Analyzing Protein-Protein Interaction; Yeast Two-Hybrid; Protein Microarray; Co-immunoprecipitation Immunoaffinity Chromatography

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### Sommario/riassunto

This comprehensive book teaches the theories and concepts behind leadership and explains the skills and traits needed to become a good leader. The authors discuss practical management skills, including conflict resolution techniques, how to manage difficult personalities and how to effectively manage up. The readers will learn to build and motivate a team, understand personality types and how to manage to their strengths. Success in Academic Surgery: Leadership in surgery is a highly useful book to anyone in the surgical field, providing clear examples and useful tips for what to do in the role of a surgical leader from current leaders in surgery.

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