

WISEST INITIATIVES / POSTDOCTORAL PROGRAM / Post-doc Institute

Sources for starting a new lab

1. *Making the Right Moves. A Practical Guide to Scientific Management for Postdocs and New Faculty*, Chap 3 & 4. Second Edition, Burroughs Wellcome Fund, Howard Hughes Medical Institute, available on line at

<http://www.hhmi.org/labmanagement/moves.html>

2. *Lab Management Institute*: <http://www.research.ucdavis.edu/LMI>

The LMI offers comprehensive training in laboratory management which focuses on:

1. Leadership (vision, mission, goal setting, strategic planning, innovation)
2. Management (people, money, time, material, project, quality, information)
3. Compliance (policy & procedures, regulations, technology transfer, conflict of commitment, conflict of interest, intellectual property, patents/copyrights/tm, contractual requirements)
4. Health & Safety (health, safety & security, employee, laboratory animal, human subjects, environment, emergency preparedness)
5. Ethics (authorship, integrity, academic freedom, ownership)

3. *Lab Management Articles*:

Barker, Kathy. [At the Helm: Avoiding Management Mistakes](#). ScienceCareers.org (July 25, 2003).

Cohen, Carl M., and Suzanne L. Cohen [Lab Dynamics: Sciences at the Balcony](#). ScienceCareers.org (September 2, 2005).

Dolgin, Elie. [Management for Beginners](#). *The Scientist*. July 2008.

Grens, Kerry. [Dealing with Conflict](#). *The Scientist*. February 2007.

Haynes, Laura et al. [Lab Management: Insights for the New Investigator](#). *Nature Immunology*. September 2006.

Huey, Kimberley [Starting a New Lab: How to Develop a Budget and Buy Equipment](#)

Levine, Irene S. [Mind Matters: Managing Conflict in the Lab](#). ScienceCareers.org (September 23, 2005).

Marshall, Hilary. [Lab Rage: Dealing with Personality Conflicts](#). ScienceCareers.org (June 30, 2000).

Portny, Stanley E., and Jim Austin. [Project Management for Scientists](#). ScienceCareers.org (July 12, 2002).

4. *Lab Management Books*

At the Helm: A Laboratory Navigator, by Kathy Barker, Cold Spring Harbor Laboratory Press, NY, 2002

362 pp. ISBN 0-87969-583-8. This book aims to help young scientists raise their scientific productivity by providing them an easily absorbed short course on management in the context of the single-investigator science laboratory, including adapting work styles to changes in personal circumstances, such as getting married or having children.

At the Bench: A Laboratory Navigator, by Kathy Barker, Cold Spring Harbor Laboratory Press, NY, 2005

Cohen, Carl M., and Suzanne L. Cohen. *Lab Dynamics: Management Skills for Scientists*. Cold Spring Harbor, NY: Cold Spring Harbor Laboratory Press, 2005.

Feibelman, Peter J. *A Ph.D. is Not Enough: A Guide to Survival in Science*. New York, NY: Perseus Books Group, 1994.

Harmening, Denise M. *Laboratory Management: Principles and Processes*. Upper Saddle River, NJ: Prentice Hall, 2002.

Lucas, Christopher J., and Murry, John W., Jr. *New Faculty: A Practical Guide for Academic Beginners*. New York, NY: Palgrave MacMillan, 2002.

Menges, Robert J., and associates. *Faculty in New Jobs: A Guide to Settling in, Becoming Established, and Building Institutional Support*. San Francisco, CA: Jossey-Bass, 1999.