

## **Sources for starting a new lab**

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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/developing-scientists/making-right-moves>

2. *Lab Management Institute:*

<https://www.ucdavis.edu/news/new-program-improve-lab-management/>

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)

*Laboratory Management Institute: A Model for the Professional Development of Scientists*, Galland, John C, McCutcheon, Jade R., Chronister, Lynne U, *Journal of Research Administration*, 39(2) 51-67, COPYRIGHT 2008 Society of Research Administrators, Inc. ISSN: 1539-1590, Sep 22 2008 archived at <http://files.eric.ed.gov/fulltext/EJ888526.pdf>

3. Science Careers (AAAS)

*Learning to Lead a Lab*

<http://www.sciencemag.org/careers/2014/02/learning-lead-lab>

*Business Sense: Starting an Academic Lab*

<http://www.sciencemag.org/careers/2009/07/business-sense-starting-academic-lab>

*Lab Dynamics: Sciences at the Balcony.*

<http://www.sciencemag.org/careers/2005/09/lab-dynamics-science-balcony>

*Mind Matters: Managing Conflict in the Lab.*

<http://www.sciencemag.org/careers/2005/09/mind-matters-managing-conflict-lab>

*At the Helm: Avoiding Management Mistakes .*

<http://www.sciencemag.org/careers/2003/07/helm-avoiding-management-mistakes>

*Project Management for Scientists.*

<http://www.sciencemag.org/careers/2002/07/project-management-scientists>

*Lab Rage: Dealing with Personality Conflicts.*

<http://www.sciencemag.org/careers/2000/06/lab-rage-dealing-personality-conflicts>

*Preparing and Managing Your First Lab Budget: Finance 101 for New Investigators*

<http://www.sciencemag.org/careers/1999/10/preparing-and-managing-your-first-lab-budget-finance-101-new-investigators>

#### 4. Articles from Nature

*Lab budgets: A numbers game*

<http://www.nature.com/naturejobs/science/articles/10.1038/nj7563-127a>

*Lab Management: Insights for the New Investigator.* Haynes, Laura et al. *Nature Immunology*. 7, 895-897 (2006).

<http://www.nature.com/ni/journal/v7/n9/full/ni0906-895.html>

#### 5. Articles from The Scientist

*Management for Beginners.* Dolgin, Elie. *The Scientist*. July 2008

<http://www.the-scientist.com/?articles.view/articleNo/26546/title/Management-for-beginners/>

*Dealing with Conflict.* Grens, Kerry. *The Scientist*. February 2007.

<http://www.the-scientist.com/?articles.view/articleNo/24690/title/Dealing-with-Conflict/>

#### 6. Developing a Budget and Buying Equipment

Huey, Kimberley *Starting a New Lab: How to Develop a Budget and Buy Equipment*

American Physiological Society

<http://www.the-aps.org/mm/Careers/Mentor/Managing-a-Lab-and-Personnel/Early-Career-Professionals/Setting-Up-a-Laboratory/Developing-a-Budget-and-Buying-Equipment>

#### 7. 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 and Leadership 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.