

SDB 2012 Boot Camp

Short list of potentially useful resources

Disclaimer: This list is far from exhaustive. It is intended to make you aware of resources that may be helpful to you as you start up your own lab and/or begin teaching your own courses. These resources will lead you to additional ones you may also find helpful.

Publications to Stock in the Lab or Your Office

At the Bench: A Laboratory Navigator, Updated Edition, Kathy Barker

At the Helm: Leading Your Laboratory, Second Edition, Kathy Barker

Lab Math: A Handbook of Measurements, Calculations, and Other Quantitative Skills for Use at the Bench, Dany Adams

Career Advice for Life Scientists II, The American Society for Cell Biology

Tomorrow's Professor: Preparing for Academic Careers in Science and Engineering

Enhancing the postdoctoral experience for scientists and engineers, NAS/NAE/IOM

Making the Right Moves: A practical guide to scientific management for postdocs and new faculty, BWF/HHMI

More on Personality Types and Learning Styles

Please Understand Me II: Temperament, Character, Intelligence, David Keirsey

VARK: A Guide to Learning Styles <http://www.vark-learn.com/english/index.asp>

Publications and Websites Centered on Improving Education

Scientific Teaching, Jo Handelsman, Sarah Miller, Christine Pfund

Handbook on Teaching Undergraduate Science Courses: A Survival Training Manual.
Gordon Uno

Discipline-Based Education Research: Understanding and Improving Learning in Undergraduate Science and Engineering, Susan R. Singer, Natalie R. Nielsen, and Heidi A. Schweingruber, Editors

CBE Life Sciences Education <http://www.lifescied.org/>

NSF Report Vision and Change <http://visionandchange.org/>

Introductory Biology Project <http://ibp.ou.edu/>

NSF National Center for Case Study Teaching in Science
<http://sciencecases.lib.buffalo.edu/cs/>

AAMC-HHMI Scientific Foundations for Future Physicians (2009) (Google to find and download pdf)

SDB CoRe (Collaborative Resources for Learning Developmental Biology)
<http://www.sdbcore.org/home>

U Wisconsin Madison's Institute for Biology Education
<http://biology.wisc.edu/UniversityEducators-ProgramsandOpportunities-WPST.htm>

Yale University's The Center for Scientific Teaching <http://cst.yale.edu/>