

Molecular Microbiology Laboratory

A Writing Intensive Course

Second Edition

Walt Rearn

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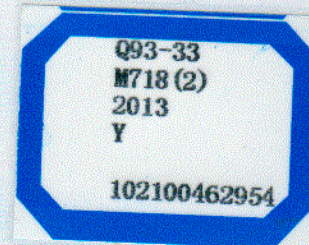
Janine Trempey

Katharine Field

Key Features:

- Exposes students to the new molecular-based techniques
- Provides faculty with an authoritative, accessible resource for teaching protocols
- The only manual to incorporate writing exercises and presentation skills, including guidance on public speaking and preparing PowerPoint presentations and tools for reading primary literature into the curriculum
- Presents a real-world study of bacterial populations in the environment in the final experiment
- Demonstrates how to design an experiment and how to interpret the results, and covers grant proposal writing and how panels review proposals
- Includes tutorials on three widely used software packages

Molecular Microbiology Laboratory, Second Edition, is designed to teach essential principles and techniques of molecular biology and microbial ecology to upper-level undergraduates majoring in the life sciences and to develop students' scientific writing skills. A detailed lab preparation manual for instructors and teaching assistants accompanies the lab book and contains a general discussion of scientific writing and critical reading as well as detailed instructions for preparation and peer review of lab reports. Each experimental unit is accompanied by a number of additional writing exercises based upon primary journal articles.



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